NBS, NBSE

Fixed speed range
Speed-controlled, non-sensor range
Speed-controlled, Series 2000, 2-channel sensor range
Single-stage end-suction pumps with split coupled design
60 Hz - ANSI



GRUNDFOS

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1. Applications

Introduction

- HVAC
- industrial pressure boosting
- industrial liquid transfer
- water supply
- irrigation.

HVAC

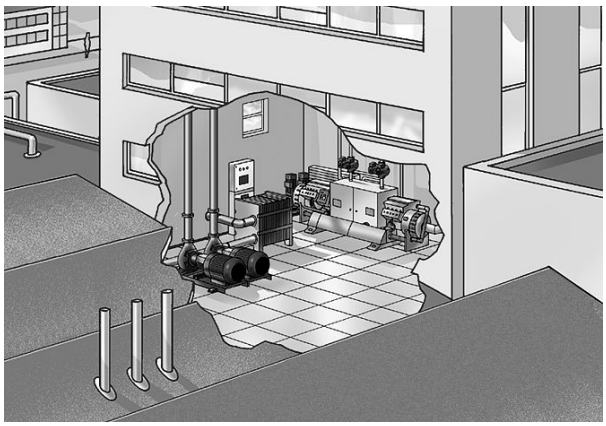
Liquid transfer in these applications:

- hot water heating systems
- chilled water systems.

Industrial pressure boosting

Pressure boosting in these applications:

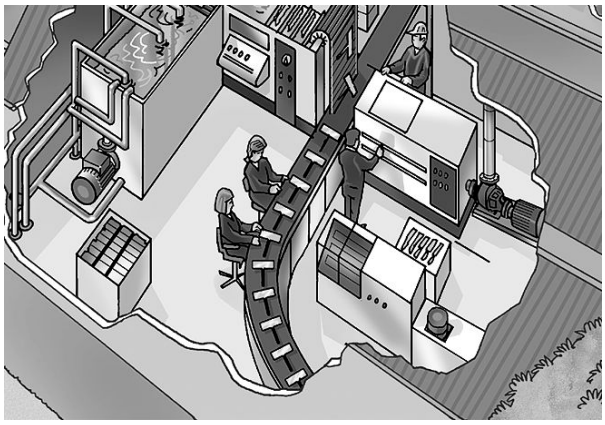
- industrial washing and cleaning systems
- industrial wash-down systems
- vehicle washing tunnels
- firefighting systems.


TM030147

Industrial liquid transfer

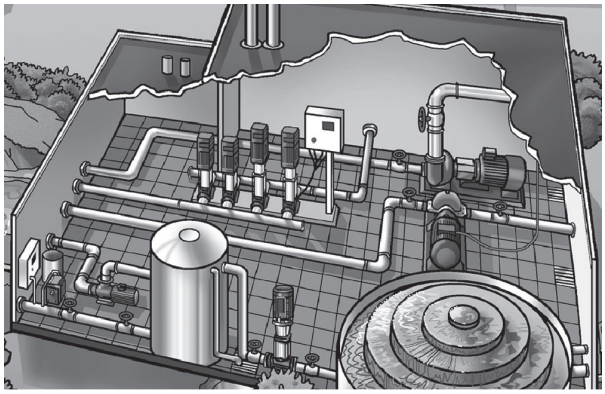
Liquid transfer in these applications:

- cooling and air-conditioning systems, refrigerants
- boiler-feed and condensate systems
- aquafarming
- industrial heating systems
- district heating plants.


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Water supply

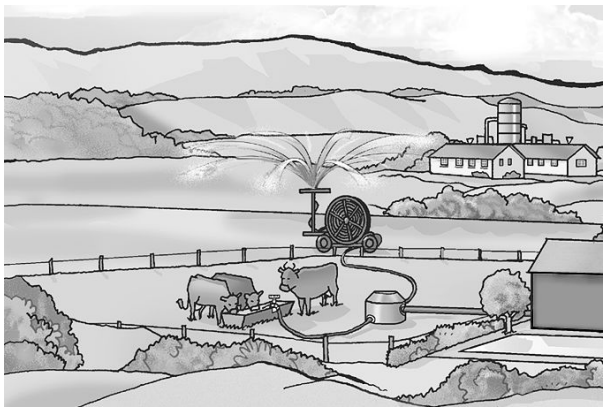
- filtration and transfer at waterworks
- pressure boosting in mains
- pressure boosting in high-rise buildings, hotels, etc.
- pressure boosting in industrial buildings
- various swimming bath applications.


TM030146

Irrigation

Irrigation covers these applications:

- field irrigation, flooding
- sprinkler irrigation
- drip-feed irrigation.



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2. Features and benefits

Features

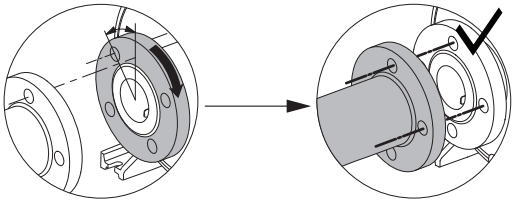
The pumps offer the following features:

- The pumps are non-self-priming, single-stage, centrifugal volute pumps with axial inlet port, radial outlet port and horizontal shaft.
- All pumps are according to ISO 5199 standards, adjusted for American dimensions on pump and its flanges.
- Inlet and outlet flanges are according to ASME 16.1/16.42.
- Dimensions and rated performance are according to 175/363 PSI (12/25 bar). The mechanical shaft seal has dimensions according to EN 12756.
- The pumps offer flow rates from 10 to 5800 GPM and heads from 8 to 550 ft.
- Motors with main dimensions to NEMA standards.
- The pumps can be equipped with an MLE motor with integrated frequency converter or connected to a Grundfos CUE external frequency converter.

Benefits

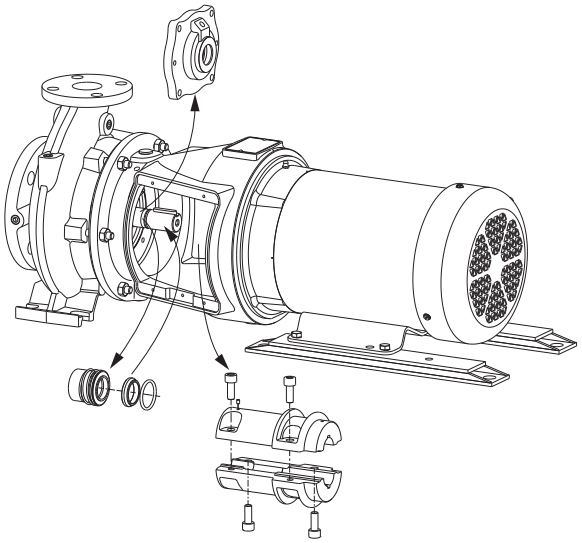
The pumps offer the following benefits:

- Trimmed and balanced impellers allow customization, reduce noise and vibration for quiet operation and prolong seal and bearing life. Statically balanced according to ISO 1940-1 class 6.3.
- This space-saving design has 35 % smaller footprint than frame mount design.
- Reduced installation (grouting and alignment) and wiring cost.
- Larger pumps have a double volute design which prolongs seal and bearing life, and thereby lowers life cycle costs.
- Optimized impeller design increases efficiency and reduces NPSH required.
- Integrally cast diffuser vane reduces turbulence and need for suction guides.
- If supplied with base frame, no baseplate grouting is required.
- Point-loaded spring isolation base is available.
- Radially split, rigid coupling enables rapid mechanical seal access without motor removal. Additionally, no alignment is required between the pump and motor which eliminates laser alignment costs.
- With loose flanges it is possible to turn the flange a few degrees if the counter flange has been twisted during installation and/or welding. The flange can be rotated to meet the connection.



TM077935

- Overall, the design is very service friendly, reduces installation working time and the result is reduced maintenance costs.



TM077934

Pump design optimized for easy installation, easy service and low maintenance costs

Motor efficiency

NBS pumps are all fitted with NEMA Premium Efficiency motors.

All motors in standard range are three-phase motors.

Alternative motors can be fitted upon request.

Pumps with electronic speed control



TM077942

NBSE pump



TM087595

NBSE pump with integrated CUE

NBSE pumps with low or medium speed motors up to 30 hp (22 kW) are available with Grundfos permanent-magnet MLE motors.

In addition to the MLE, NBSE pumps with low or medium speed motors up to 75 hp (55 kW) also has integrated CUE solutions with WEG permanent-magnet motors.

All these pumps come with on-board controls which include advanced application software, providing users with an all-in-one solution pre-programmed for electronic speed control of variable volume applications. These motors meet the IE5 efficiency class according to IEC 60034-30-2. See Section E-pumps.

This IE5 rating exceeds the current NEMA Premium Efficiency standard. A comparison of IE and NEMA ratings can be seen below:

IEC	NEMA
IE5	Ultra Premium [1]
IE4	Super Premium/Enhanced-Premium [1]
IE3	NEMA Premium

1) Common terminology. Not officially established by NEMA.

If a sensor (or sensors, for some control models as differential temperature) is installed, NBSE pumps allow for any of these configurations or control methods:

- constant pressure
- constant temperature
- constant differential pressure [2]
- proportional differential pressure [2]
- constant flow rate
- constant differential temperature
- constant level
- constant curve
- constant other value.

2) also available on sensorless pumps based on calculation, as a rough pump control. This function must be ordered in advance and calibrated at the factory prior to shipment.

Why select an NBSE pump?

A pump with electronic speed control offers these benefits:

- energy savings
- increased comfort
- intelligent control and monitoring of pump performance
- communication with the pump
- easy installation and setup
- integrated solution
- customization
- low maintenance cost
- remote controllable
- interact with other devices by input/output terminals.

For further information on electronic speed control, see section Speed-controlled pumps.

Energy-optimized pumps

NBS pumps are energy-optimized pumps and comply with the Department of Energy (DOE) 2020 directive, in which most pumps are classified or graduated using Pump Energy Index (PEI). See section Pump Energy Index (PEI).

Related information

9. Speed-controlled pumps

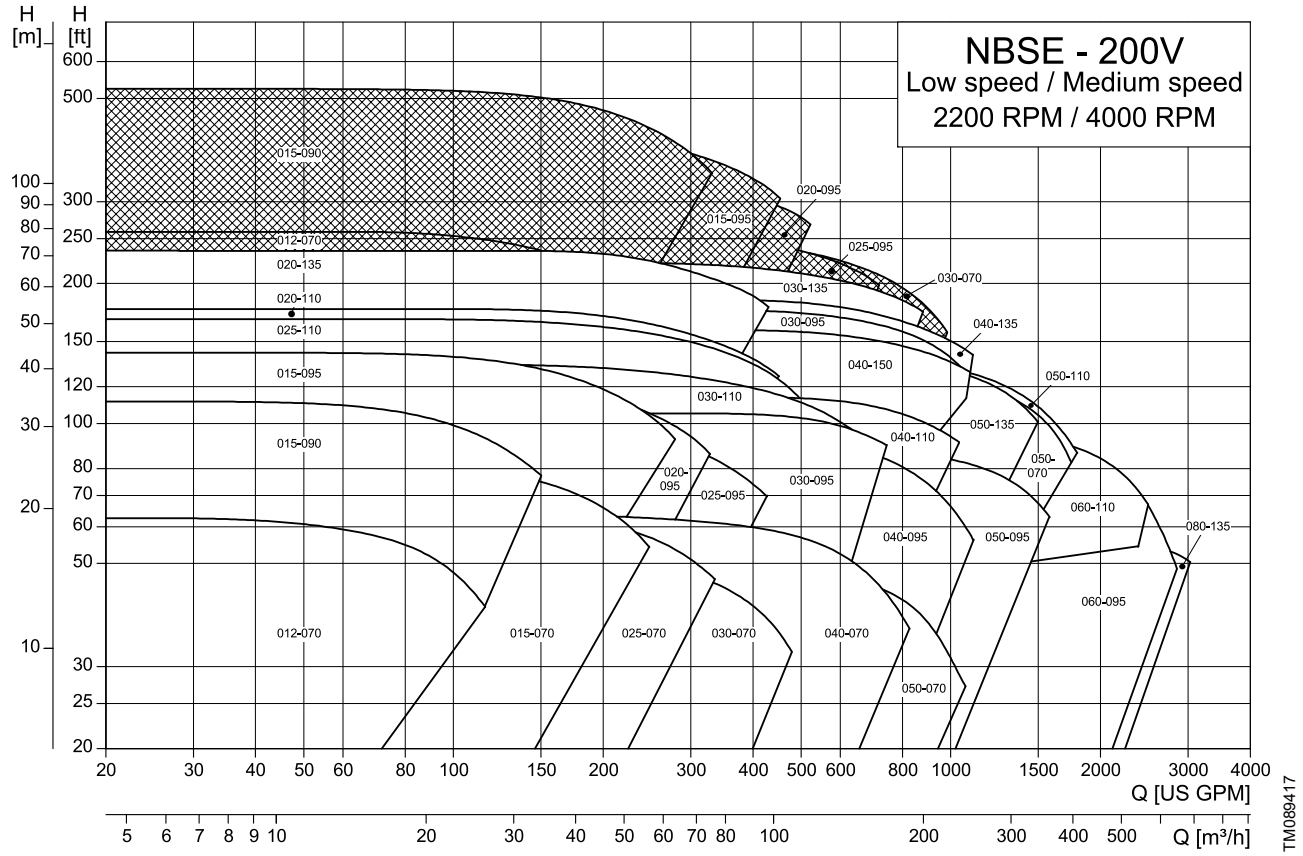
16. Pump Energy Index (PEI)

3. Performance range

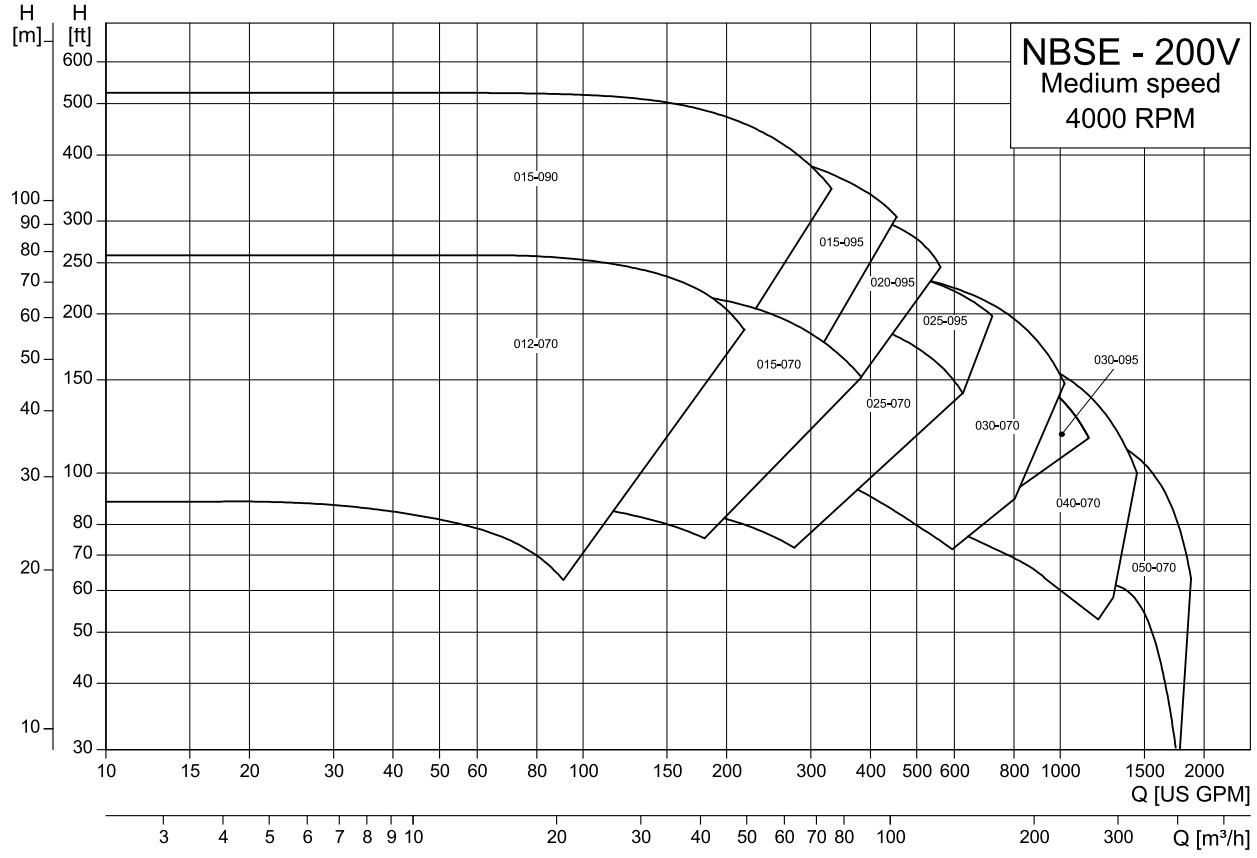
NBSE 200V

200V Full range

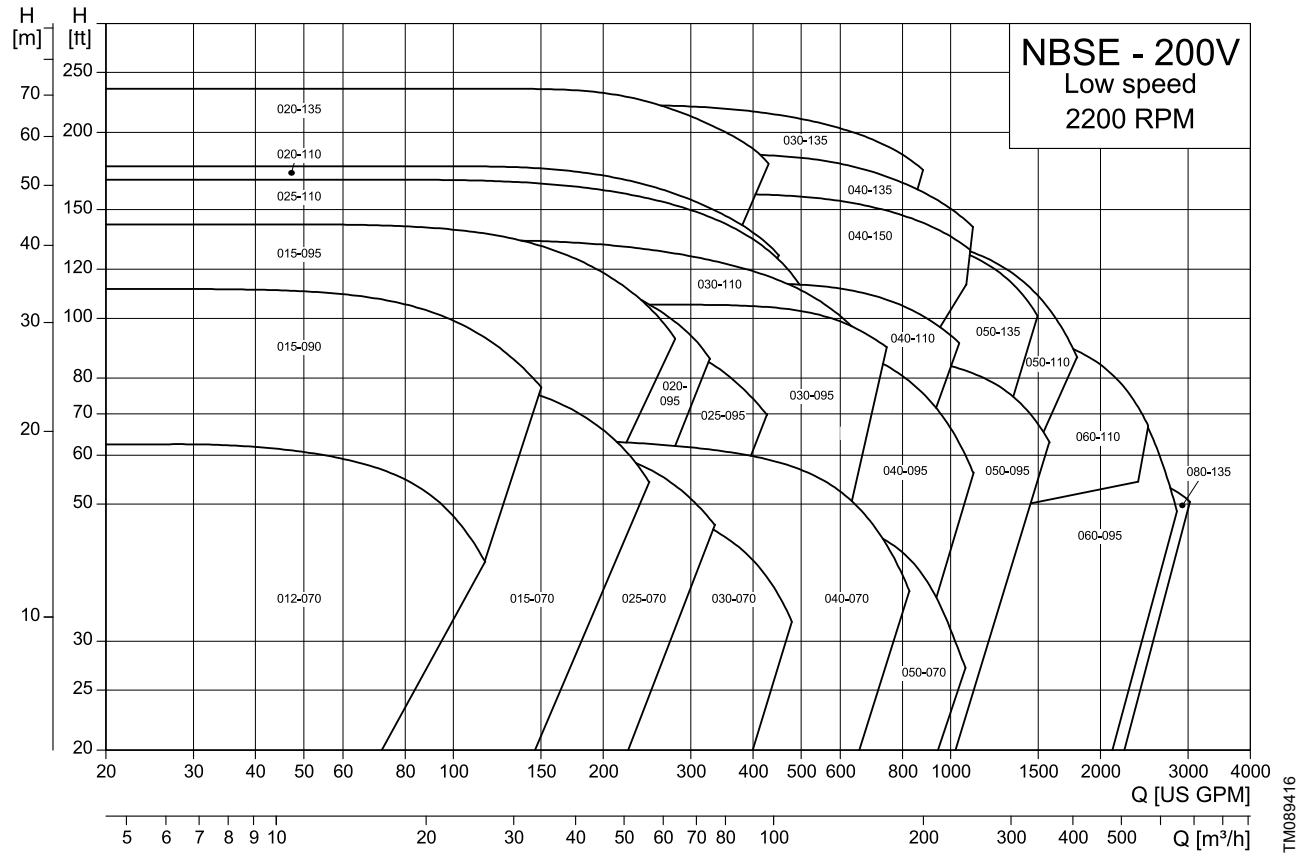
Note: The hatched area covers the medium speed pump range and the non-hatched area covers the low speed pump range.



200V Medium speed



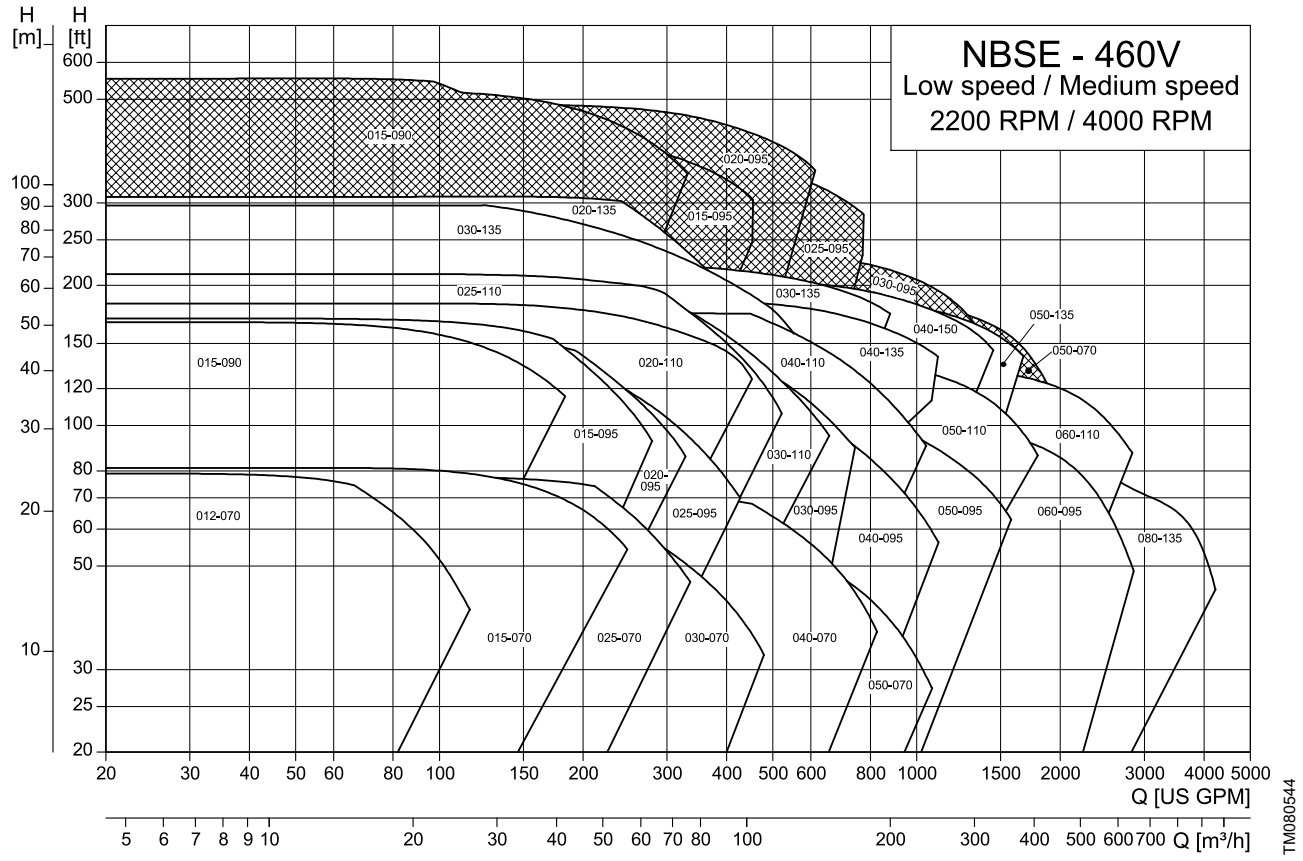
200V Low speed



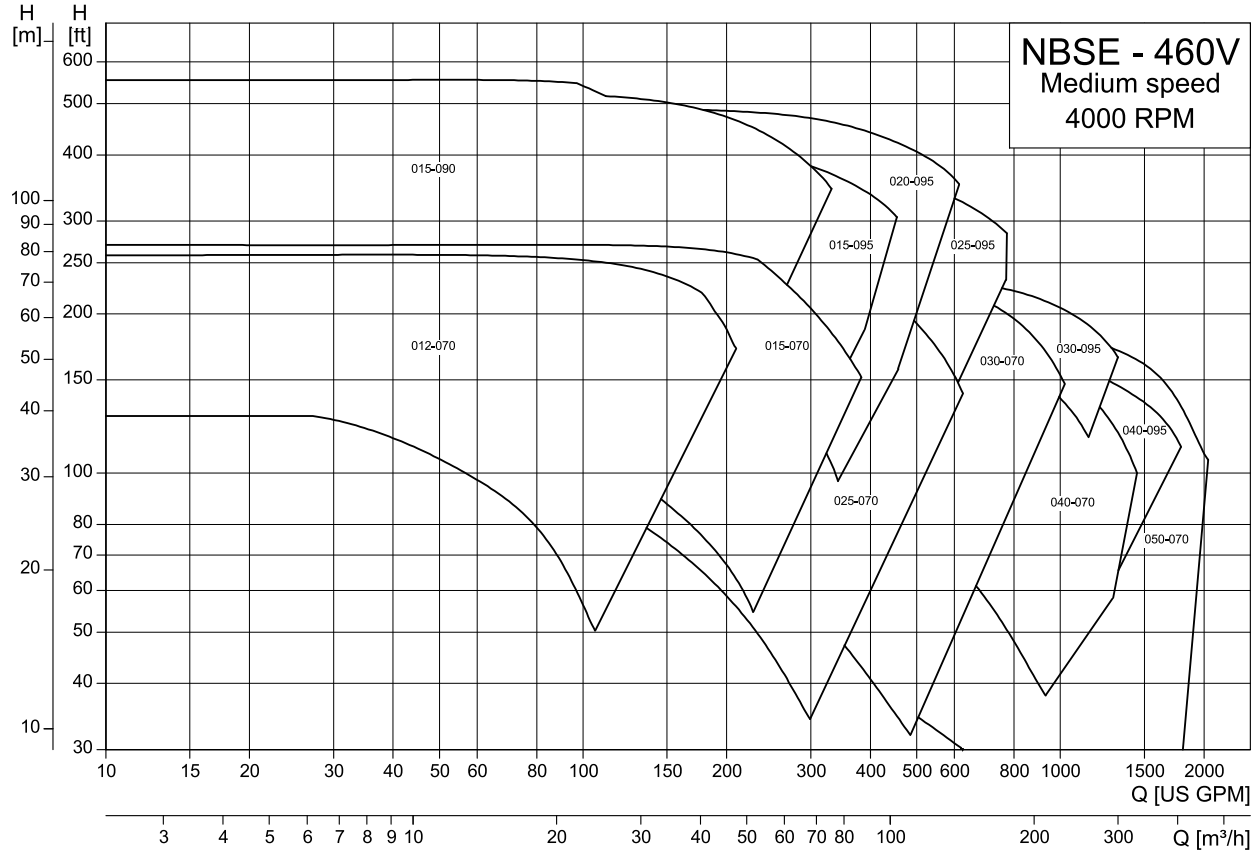
NBSE 460V

460V Full range

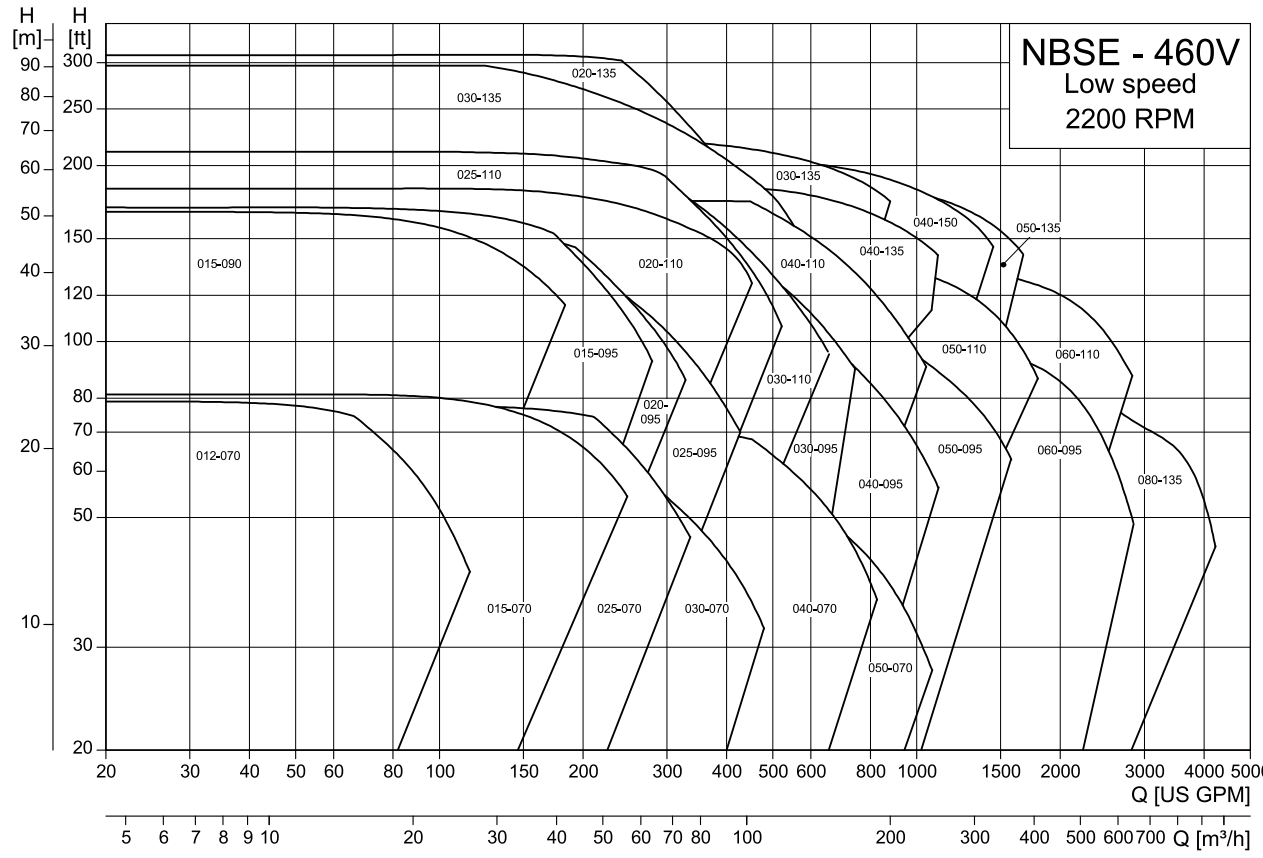
Note: The hatched area covers the medium speed pump range and the non-hatched area covers the low speed pump range.



460V Medium speed



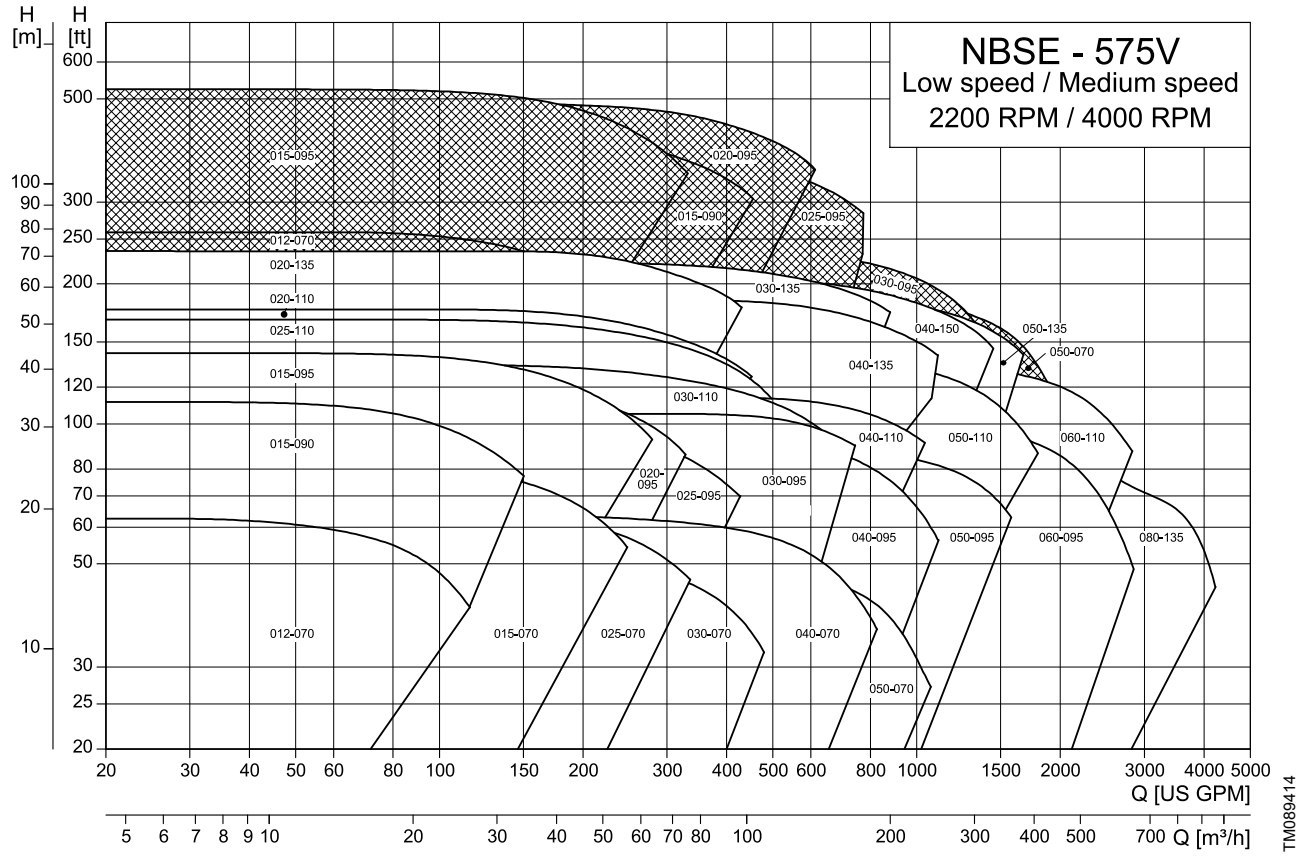
460V Low speed



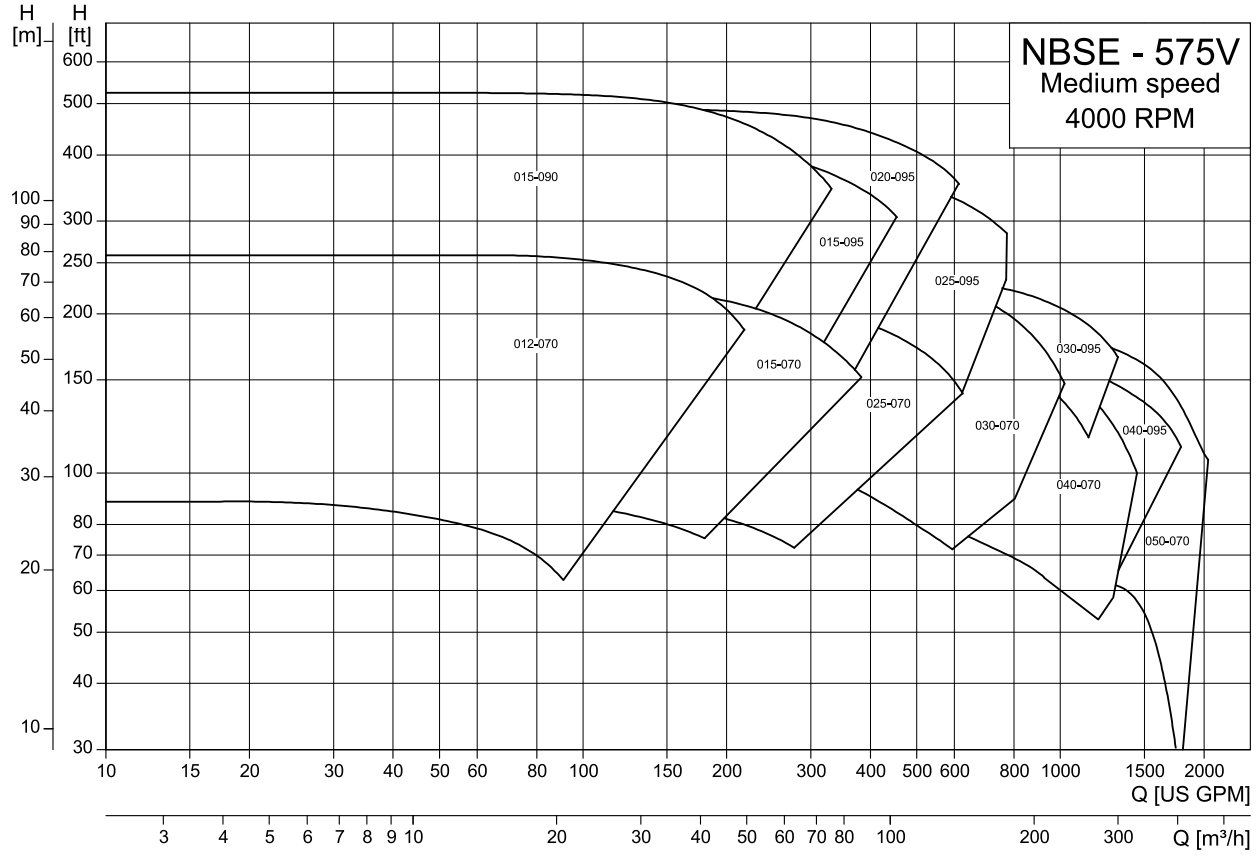
NBSE 575V

575V Full range

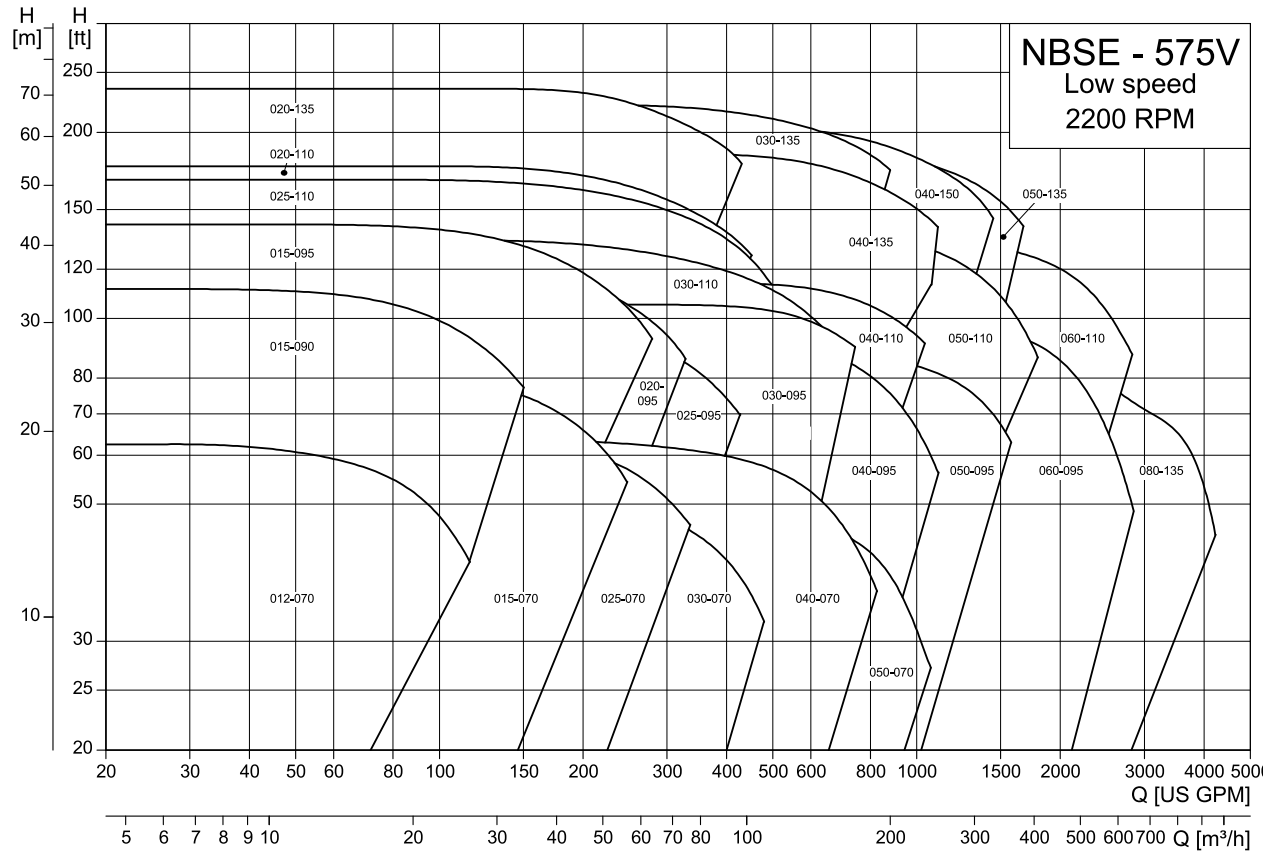
Note: The hatched area covers the medium speed pump range and the non-hatched area covers the low speed pump range.



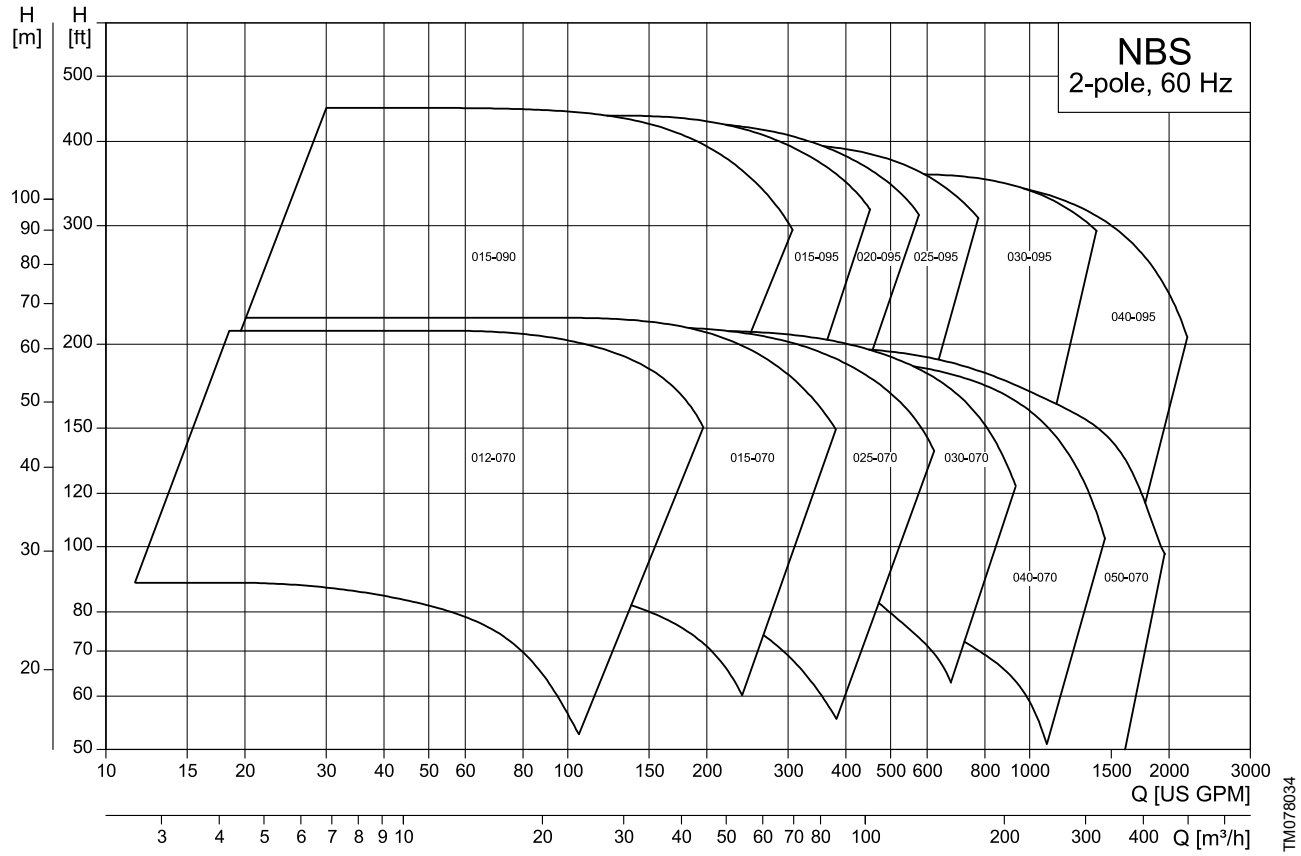
575V Medium speed



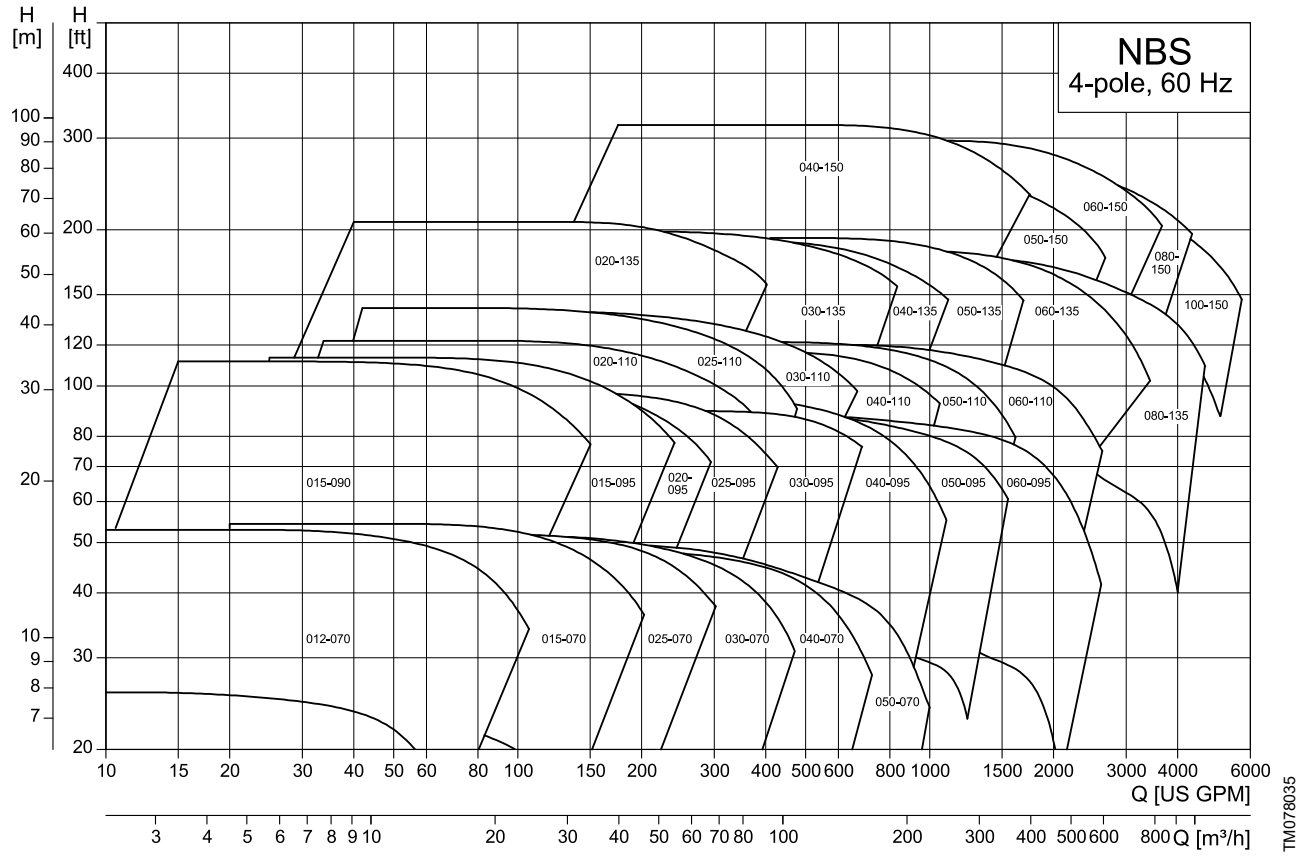
575V Low speed



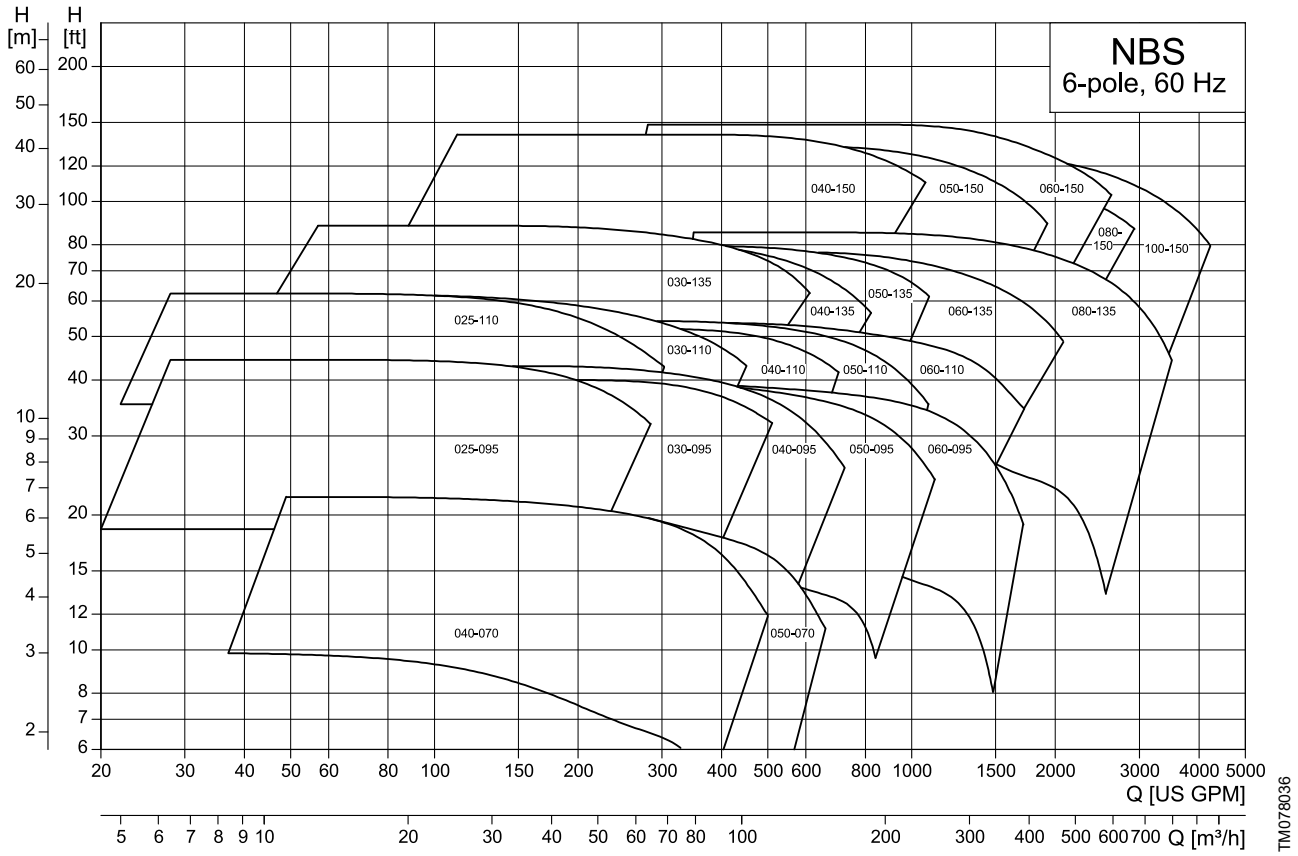
NBS, 2-pole


H [m]
H [ft]
NBS
2-pole, 60 Hz
015-090
015-095
020-095
025-095
030-095
040-095
012-070
015-070
025-070
030-070
040-070
050-070
Q [US GPM]
Q [m³/h]
TM078034

NBS, 4-pole


NBS
4-pole, 60 Hz
H [m]
H [ft]
Q [US GPM]
Q [m³/h]
TM078035
040-150
060-150
050-150
080-150
020-135
100-150
030-135
040-135
050-135
060-135
020-110
025-110
030-110
040-110
050-110
060-110
080-135
015-090
015-095
020-095
025-095
030-095
040-095
050-095
060-095
012-070
015-070
025-070
030-070
040-070
050-070

NBS, 6-pole


NBS
6-pole, 60 Hz
H [m]
H [ft]
040-150
050-150
060-150
080-150
100-150
030-135
050-135
040-135
060-135
080-135
025-110
030-110
040-110
050-110
060-110
025-095
030-095
040-095
050-095
060-095
040-070
050-070
Q [US GPM]
Q [m³/h]
TM078036

4. Product range

The tables on the following pages show the complete product ranges of NBS and NBSE pumps. The standard range has been combined on the basis of the following parameters:

Pump

- Pump housings have outlet flanges with nominal diameter from 1 1/4" to 10".
- Ductile steel versions have loose flanges. All others have fixed flanges.
- The pumps are available in mounting design B, C and F. Mounting design F has base frame and is available as an option. For further information, see section Mounting design.
- Support rails: NBS, NBSE pumps combine with many motor frame sizes and pump housings vary in size. The height difference between pump and motor are always leveled out by means of support rails under pump housing and motor, or under the motor only. Motors always have support rails to ensure easy service.

Motor

- Motors are for 60 Hz.
- NBS pumps are available with 2-, 4- and 6-pole motors; NBE and NKE with MLE or WEG PM motors of medium speed up to 4000 RPM and low speed up to 2000/2200 RPM .
- The pumps are available with NEMA Premium Efficiency standard (IE3) and higher. E version pumps with motors has ultra-premium (IE5) efficiency.
- Standard motors with power rating up to and including 5 hp (4 kW) are available for "low voltage"; motors as from 3 hp (2.2 kW) are available for "high voltage".
- All pumps with non-E-motor can be connected to Grundfos CUE or other brand frequency converter.

Related information

Mounting design

NBSE, medium speed/NBS, 2-pole

Pump size	P2 [hp]	P2 [kW]	No sensor, MLE/CUE	With integrated sensor, MLE/CUE	Flange rating [3]		Standard mounting design [4]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
										Recirculation line			NSF approvals		Coating [5]			Without support rails	Base				
					Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller		Rails with basic pad [6]	Full base [7]	Spring isolated base [8]		
012-070	3	2.2	●/●	●/●	F	F	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	5	3.7	●/●	●/●	F	F	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	7.5	5.5	●/●	●/●	F	F	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	10	7.5	●/●	●/●	F	F	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	15	11	●/●	●/●	F	F	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	20	15	-/●	-/●	F	F	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
015-070	5	3.7	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	7.5	5.5	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	10	7.5	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	15	11	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	20	15	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
015-090	15	11	-/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	20	15	-/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	25	18.5	-/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	30	22	-/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	40	30	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	50	37	-/●	-/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
015-095	15	11	-/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	20	15	-/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	25	18.5	-/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	30	22	-/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	40	30	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	50	37	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
020-095	15	11	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	20	15	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	25	18.5	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	30	22	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	40	30	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	50	37	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	60	45	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	75	55	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
025-070	5 [9]	3.7	●/-	●/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	7.5	5.5	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	10	7.5	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	15	11	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	20	15	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	25	18.5	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	30	22	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13

Pump size	P2 [hp]	P2 [kW]	No sensor, MLE/CUE	With integrated sensor, MLE/CUE	Flange rating [3]		Standard mounting design [4]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
										Recirculation line			NSF approvals		Coating [5]				Base					
					Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller	Without support rails	Rails with basic pad [6]	Full base [7]	Spring isolated base [8]		
025-095	25	18.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	30	22	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	40	30	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	50	37	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	60	45	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
	75	55	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG12
030-070	7.5 [9]	5.5	●/-	●/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	10 [9]	7.5	●/-	●/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	15	11	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	20	15	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	25	18.5	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	30	22	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	40	30	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	50	37	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
030-095	40	30	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	50	37	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	60	45	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	75	55	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	100	75	-/-	-/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	125	90	-/-	-/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
040-070	15 [9]	11	●/-	●/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	20	15	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	25	18.5	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	30	22	●/●	●/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	40	30	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	50	37	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
040-095	60	45	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	75	55	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	100	75	-/-	-/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	125	90	-/-	-/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
050-070	15 [9]	11	●/-	●/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	20 [9]	15	●/-	●/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	25	18.5	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	30	22	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	40	30	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	50	37	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	60	45	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	75	55	-/●	-/●	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13

3) F: fixed flange; L: loose flange.

4) For information about mounting designs, see section Mounting design.

5) Scotchkote coating to improve corrosion and wear resistance.

6) Rails with house-keeping pads. Pad counteracts slightly uneven and rough foundation, provides some vibration and sound isolation.

7) Full base frame. An extended drip pad is available.

8) Point-loaded spring isolation base. Springs are available on request.

[9] Only for E-pump.

Related information

Mounting design

NBSE, low speed/NBS, 4-pole

Pump size	P2 [hp]	P2 [kW]	No sensor, MLE/CUE	With integrated sensor, MLE/CUE	Flange rating [10]		Standard mounting design [11]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
										Recirculation line			NSF approvals		Coating [12]			Without support rails	Base				
					Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller		Rails with basic pad [13]	Full base [14]	Spring isolated base [15]		
012-070	1	0.75	-/-	-/-	F	F	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	1.5	1.1	•/•	•/•	F	F	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2 [16]	1.5	•/•	•/•	F	F	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
015-070	1	0.75	-/-	-/-	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	1.5	1.1	•/•	•/•	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2	1.5	•/•	•/•	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	•/•	•/•	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5 [16]	3.7	•/•	•/•	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
015-090	1.5	1.1	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2	1.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
015-095	2	1.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	10 [16]	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
020-095	2	1.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	10 [16]	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
020-110	5	3.7	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	10	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	15	11	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	20 [16]	15	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
020-135	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	10	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	15	11	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	20	15	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	25	18.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	30 [16]	22	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13

Pump size	P2 [hp]	P2 [kW]	No sensor, MLE/CUE	With integrated sensor, MLE/CUE	Flange rating [10]		Standard mounting design [11]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
										Recirculation line			NSF approvals		Coating [12]			Without support rails	Base				
					Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller		Rails with basic pad [13]	Full base [14]	Spring isolated base [15]		
025-070	1	0.75	-/-	-/-	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	1.5	1.1	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2	1.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	•/•	•/•	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	•/•	•/•	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
025-095	3	2.2	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	10	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
025-110	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	10	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	15	11	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	20 [16]	15	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
030-070	1.5	1.1	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2	1.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	•/•	•/•	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	•/•	•/•	F	L	C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
030-095	5	3.7	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	10	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	15	11	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	20 [16]	15	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
030-110	10	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	15	11	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	20	15	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
030-135	15	11	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	20	15	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	25	18.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	30	22	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	40	30	-/•	-/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	50	37	-/•	-/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
040-070	1.5 [16]	1.1	•/-	•/-	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2	1.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	10 [16]	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
040-095	7.5	5.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	10	7.5	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	15	11	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	20	15	•/•	•/•	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13

Pump size	P2 [hp]	P2 [kW]	No sensor, MLE/CUE	With integrated sensor, MLE/CUE	Flange rating [10]		Standard mounting design [11]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
										Recirculation line			NSF approvals		Coating [12]			Without support rails	Base				
					Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller		Rails with basic pad [13]	Full base [14]	Spring isolated base [15]		
040-110	15	11	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	20	15	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	25	18.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	30	22	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
040-135	15 [16]	11	●/-	●/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	20	15	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	25	18.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	30	22	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	40	30	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	50	37	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
040-150	50	37	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	60	45	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	75	55	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	100	75	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	125	90	-/-	-/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	150	110	-/-	-/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
050-070	3	2.2	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	5	3.7	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	7.5	5.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	10	7.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
050-095	10	7.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	15	11	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	20	15	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	25	18.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	30	22	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
050-110	15 [16]	11	●/-	●/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	20	15	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	25	18.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	30	22	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	40	30	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	50	37	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
050-135	25	18.5	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	30	22	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	40	30	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	50	37	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	60	45	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	75	55	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
050-150	75	55	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	100	75	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	125	90	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	150	110	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13

Pump size	P2 [hp]	P2 [kW]	No sensor, MLE/CUE	With integrated sensor, MLE/CUE	Flange rating [10]		Standard mounting design [11]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
										Recirculation line			NSF approvals		Coating [12]			Without support rails	Base				
					Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller		Rails with basic pad [13]	Full base [14]	Spring isolated base [15]		
060-095	15	11	●/-	●/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	20	15	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	25	18.5	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	30	22	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	40	30	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	50	37	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
060-110	25 [16]	18.5	●/-	●/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	30	22	●/●	●/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	40	30	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	50	37	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	60	45	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	75	55	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
060-135	40	30	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	50	37	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	60	45	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	75	55	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	100	75	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	125	90	-/-	-/-	F	L	C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
060-150	125	90	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
	150	110	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
	200	150	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
	250	185	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
080-135	60	45	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	75	55	-/●	-/●	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	100	75	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	125	90	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	150	110	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
080-150	125	90	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
	150	110	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
	200	150	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
	250	185	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
100-150	150	110	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
	200	150	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13
	250	185	-/-	-/-	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	55	MG13

10) F: fixed flange; L: loose flange.

11) For information about mounting designs, see section Mounting design.

12) Scotchkote coating to improve corrosion and wear resistance.

13) Rails with house-keeping pads. Pad counteracts slightly uneven and rough foundation, provides some vibration and sound isolation.

14) Full base frame. An extended drip pad is available.

15) Point-loaded spring isolation base. Springs are available on request.

16) Only for E-pump.

Related information

Mounting design

NBS, 6-pole

Pump size	P2 [hp]	P2 [kW]	Flange rating [17]		Standard mounting design [18]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
								Recirculation line			NSF approvals		Coating [19]			Without support rails	Base				
			Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller		Rails with basic pad [20]	Full base [21]	Spring isolated base [22]		
025-095	1	0.75	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	1.5	1.1	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2	1.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
025-110	2	1.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	3	2.2	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	5	3.7	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
030-095	1.5	1.1	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2	1.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
030-110	3	2.2	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	5	3.7	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	7.5	5.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
030-135	5	3.7	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	7.5	5.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	10	7.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	15	11	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
040-070	0.75	0.55	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	1	0.75	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	1.5	1.1	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	2	1.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
040-095	2	1.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	3	2.2	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	5	3.7	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
	7.5	5.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	28	MG13
040-110	3	2.2	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	5	3.7	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	7.5	5.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	10	7.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
040-135	5	3.7	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	7.5	5.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	10	7.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13
	15	11	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38	MG13

Pump size	P2 [hp]	P2 [kW]	Flange rating [17]		Standard mounting design [18]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
								Recirculation line			NSF approvals		Coating [19]			Without support rails	Base					
			Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller		Rails with basic pad [20]	Full base [21]	Spring isolated base [22]		
040-150	15	11	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	20	15	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	25	18.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	30	22	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	40	30	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
050-070	0.75	0.55	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	1	0.75	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	1.5	1.1	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	2	1.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
	3	2.2	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	MG13
050-095	3	2.2	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	5	3.7	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	7.5	5.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	10	7.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
050-110	5	3.7	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	7.5	5.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	10	7.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
	15	11	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	38	MG13
050-135	10	7.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	15	11	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	20	15	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
050-150	25	18.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	30	22	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	40	30	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	50	37	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	60	45	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
060-095	5	3.7	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	7.5	5.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	10	7.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	15	11	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
060-110	7.5	5.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	10	7.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	15	11	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	20	15	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
060-135	10	7.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	15	11	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	20	15	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	25	18.5	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13
	30	22	F	L	B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	48	MG13

Pump size	P2 [hp]	P2 [kW]	Flange rating [17]		Standard mounting design [18]	Material codes		Options													Shaft seal diameter [mm]	Standard shaft seal
								Recirculation line			NSF approvals		Coating [19]				Base					
			Class 125 PN 10 (Cast iron)	Class 300 PN 25 (Ductile iron)		S2, S3, S4, S5, S6, S7, S8, S9, T2	SA, SB, SC, SD, SE, SF, SG, SH, TA	Nylon	Copper	Stainless steel	NSF 50 (Swimming pool water)	NSF 61 (Drinking water approval)	Pump housing (volute)	Impeller	Pump housing and impeller	Without support rails	Rails with basic pad [20]	Full base [21]	Spring isolated base [22]		
060-150	40	30	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	50	37	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	60	45	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	75	55	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	100	75	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
080-135	15	11	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	48	MG13
	20	15	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	48	MG13
	25	18.5	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	48	MG13
	30	22	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	48	MG13
	40	30	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	48	MG13
	50	37	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	48	MG13
080-150	40	30	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	50	37	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	60	45	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	75	55	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
100-150	50	37	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	60	45	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	75	55	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13
	100	75	F	L	B	•	•	•	•	•	•	•	•	•	•	•	•	•	•	55	MG13

17) F: fixed flange; L: loose flange.

18) For information about mounting designs, see section Mounting design.

19) Scotchkote coating to improve corrosion and wear resistance.

20) Rails with house-keeping pads. Pad counteracts slightly uneven and rough foundation, provides some vibration and sound isolation.

21) Full base frame. An extended drip pad is available.

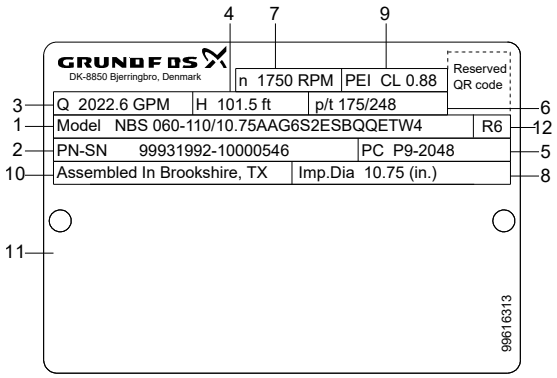
22) Point-loaded spring isolation base. Springs are available on request.

Related information

Mounting design

5. Identification

Nameplate



Example of NBS nameplate

Pos.	Description
1	Type designation
2	Product number and production serial number
3	Flow
4	Head
5	Production code
6	Pressure and temperature
7	Pump speed
8	Impeller diameter
9	PEI CL: Pump Energy Index, constant load
	PEI VL: Pump Energy Index, variable load
10	Place of production
11	Field for approval marks and associated texts
12	Range identification (service range code)

Type key

Example 1: NBS 025-095/08.43AAEG6S3ESBQQETX2
Example 2: NBS 040-150/16.77AFEG7TBESDQQE1X4
Example 3: NBS 060-135/1291-1276AAEG7TBESDQQEWX4
Example 4: NBSE 025-110/11.02ASFEG6S2ESBQQENDA
Example 5: NBSE 030-110/1094-1063ACAEG7S7FSDAQFODA

Pos.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Example 1	NBS	025	-095	/08.43		A		AE	G	6	S3	E	S	BQQE	T	X	2
Example 2	NBS	040	-150	/16.77		A		FE	G	7	TB	E	S	DQQE	1	X	4
Example 3	NBS	060	-135	/1291-1276		A		AE	G	7	TB	E	S	DQQE	W	X	4
Example 4	NBSE	025	-110	/11.02		A	S	FE	G	6	S2	E	S	BQQE	N	D	A
Example 5	NBSE	030	-110	/1094-1063		A	S	AS	G	6	S2	E	S	BQQE	O	C	A

Pos.	Explanation
1	Type range
2	Nominal diameter of outlet port (DN)
3	Nominal impeller diameter [inch]
4	Actual impeller diameter [inch]
5	**Impeller type** 'blank': Closed impeller, cylindrical trim. If one dimension is shown the impeller has a cylindrical trim, for example 11.02 'blank': Closed impeller, conical trim. If two dimensions are shown the impeller has a conical trim, for example 1094-1063 S: Special open impeller V: Super vortex impeller
6	**Hydraulic version** A: 1st version B: 2nd version C: 3rd version D: 4th version
7	**Sensor/motor version** 'blank': Pump without sensor C: Without built-in sensor, one cable and one pressure sensor are supplied with the pump S: Pump with built-in differential-pressure sensor, Series 2000 G: Non -E pump/ -E pump with semi-integrated VFD/CUE: Motor with Grounding ring
8	**Code for pump version; the codes may be combined** A: Basic version B: Oversize motor C: Without motor (+E): With ATEX approval, certificate or test report, the second character of the code for pump version is an E F: Design with base frame (+S): With support rails, the second character of the pump version code is an S X: Special version; used in case of further customization than already listed
9	**Pipe connection** G: ANSI flange
10	**Flange pressure rating (PN - rated pressure)** 5: Other pressure rating 6: Class 125, 175 PSI 7: Class 300, 363 PSI

Pos.	Explanation				
11	**Code for materials**				
	Code	**Pump housing**	**Impeller**	**Wear ring**	**Shaft**
	S2	A48 Class 35	304	No wear ring	420
	S3	A48 Class 35	304	No wear ring	304
	S4	A48 Class 35	304	No wear ring	316
	S5	A48 Class 35	304	No wear ring	SAF 2205
	S8	A48 Class 35	316	No wear ring	316
	S9	A48 Class 35	316	No wear ring	SAF 2205
	SA	70-50-05	304	No wear ring	420
	SB	70-50-05	304	No wear ring	304
	SC	70-50-05	304	No wear ring	316
	SD	70-50-05	304	No wear ring	SAF 2205
	SG	70-50-05	316	No wear ring	316
	SH	70-50-05	316	No wear ring	SAF 2205
	SM	A48 Class 35	304	Bronze/Brass	420
	SN	A48 Class 35	304	Bronze/Brass	304
	SO	A48 Class 35	304	Bronze/Brass	316
	SP	A48 Class 35	304	Bronze/Brass	SAF 2205
	SS	70-50-05	304	Bronze/Brass	420
	ST	70-50-05	304	Bronze/Brass	304
	SU	70-50-05	304	Bronze/Brass	316
	SV	70-50-05	304	Bronze/Brass	SAF 2205
	SY	70-50-05	316	Bronze/Brass	316
	SZ	70-50-05	316	Bronze/Brass	SAF 2205
	T2	A48 Class 35	CD4MCuN/A890	No wear ring	SAF 2205
	TA	70-50-05	CD4MCuN/A890	No wear ring	SAF 2205
	X	Special version			
12	**Rubber parts in pump** E: EPDM F: FXM (Fluoraz®) K: FFKM (Kalrez®) M: FEPS (PTFE-sheathed silicone O-ring) O: HNBR V: FKM (Viton®)				
13	**Shaft seal arrangement** S: Single seal				
14	**Shaft seal in pump** Letter code for mechanical shaft seal and shaft seal rubber parts. See Letter codes for shaft seals.				
15	Code for rated motor power [kW]. See Codes for rated motor power.				
16	Code for DOE identification. See Code for DOE identification.				
17	Code for speed variant [rpm]. See Codes for speed variant.				

Letter codes for shaft seals

Pos. 14 in NBS type key example.

Code	Description	Code explanation
B	Shaft seal type	A: O-ring seal with fixed driver B: Rubber bellows seal D: O-ring seal, balanced
Q	Material of rotating seal face	A: Carbon, metal-impregnated with antimony which is not approved for potable water B: Carbon, resin-impregnated Q: Silicon carbide
Q	Material of stationary seal	A: Carbon, metal-impregnated with antimony which is not approved for potable water Q: Silicon carbide
E	Material of secondary seal and other rubber and composite parts, except the wear ring	E: EPDM V: FKM (Viton®) F: FXM (Fluoraz®) K: FFKM (Kalrez®) X: HNBR U: Dynamic O-rings in FFKM and static O-rings in PTFE

Codes for rated motor power

Pos. 15 in NBS type key example.

Code	Description	
	[hp]	[kW]
A	0.16	0.12
B	0.25	0.18
C	0.33	0.25
D	0.5	0.37
E	0.75	0.55
F	1	0.75
G	1.5	1.1
H	2	1.5
I	3	2.2
J	4	3
K	5 (5.5 [23])	3.7 (4 [23])
L	7.5	5.5
M	10	7.5
N	15	11
O	20	15
P	25	18.5
Q	30	22
R	40	30
S	50	37
T	60	45
U	75	55
V	100	75
W	125	90
X	Bare shaft pump	
Y	> 200 [24]	> 150 [24]
1	150	110
2	175	132
3	200	150
4	215 [25]	160 [25]
5	250 [25]	185 [25]
6	-	26

[23] Value in bracket is for the standard IEC motor size. Value outside bracket is for the motor size according to NEMA standards.

[24] Used for pumps where the pump shaft input power exceeds 200 hp (150 kW) and is not regulated under the DOE pump rule.

[25] Special cases with power sizes above 200 hp (150 kW) which are still regulated under the DOE pump rule. For example: Pump has a P2 value of 198 hp (147.6 kW) in its duty point (in DOE scope) but customer wants the 215 hp (160 kW) motor instead of the 200 hp (150 kW). The pump is in scope of the DOE regulation and requires a PEI value and a motor code.

Code for DOE identification

Pos. 16 in NBS type key example.

Code	Description
A	DOE reported with E-motor (ECM [26]), 1 × 200-240 V
B	DOE reported with E-motor (ECM [26]), 3 × 200-240 V
C	DOE reported with E-motor (ECM [26]), 3 × 440-480 V
D	DOE reported with E-motor (ECM [26]), 3 × 380-500 V
E	DOE reported with E-motor (ECM [26]), 3 x 525-690 V
W	In DOE scope but not compliant with or not for sale in North America
X	DOE reported, sell as bare shaft pump or DOE regulated Motor (CC marked motor)
Y	Pumps not subject to the DOE regulation
Z	DOE reported with Asynchronous E-Motor

[26] ECM: Electronically Commutated Motor.

Codes for speed variant

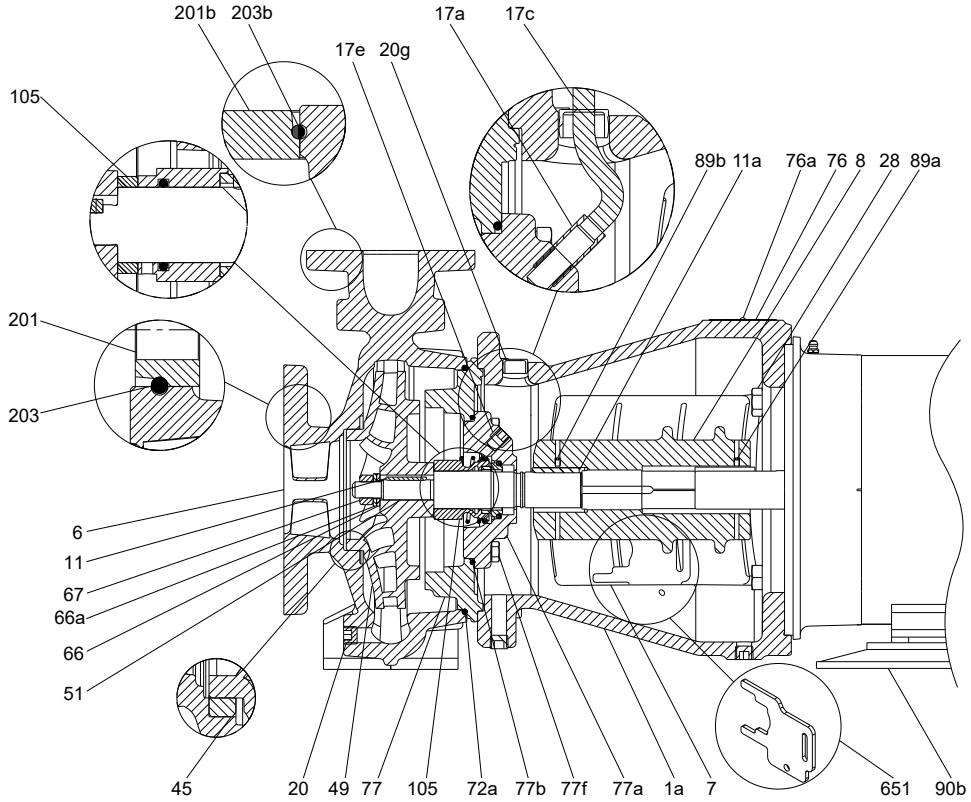
Pos. 17 in NBS type key example.

Code	Description
A	1450-2200 RPM, E-motor (ECM [27])
B	2900-4000 RPM, E-motor (ECM [27])
C	4000-5900 RPM, E-motor (ECM [27])
D	1450-2200 RPM, CUE + WEG PM motor
E	2900-4000 RPM, CUE + WEG PM motor
1	2-pole, 50 Hz (Asynchronous motor)
2	2-pole, 60 Hz (Asynchronous motor)
3	4-pole, 50 Hz (Asynchronous motor)
4	4-pole, 60 Hz (Asynchronous motor)
5	6-pole, 50 Hz (Asynchronous motor)
6	6-pole, 60 Hz (Asynchronous motor)
7	8-pole, 50 Hz (Asynchronous motor)
8	8-pole, 60 Hz (Asynchronous motor)

[27] ECM: Electronically Commutated Motor.

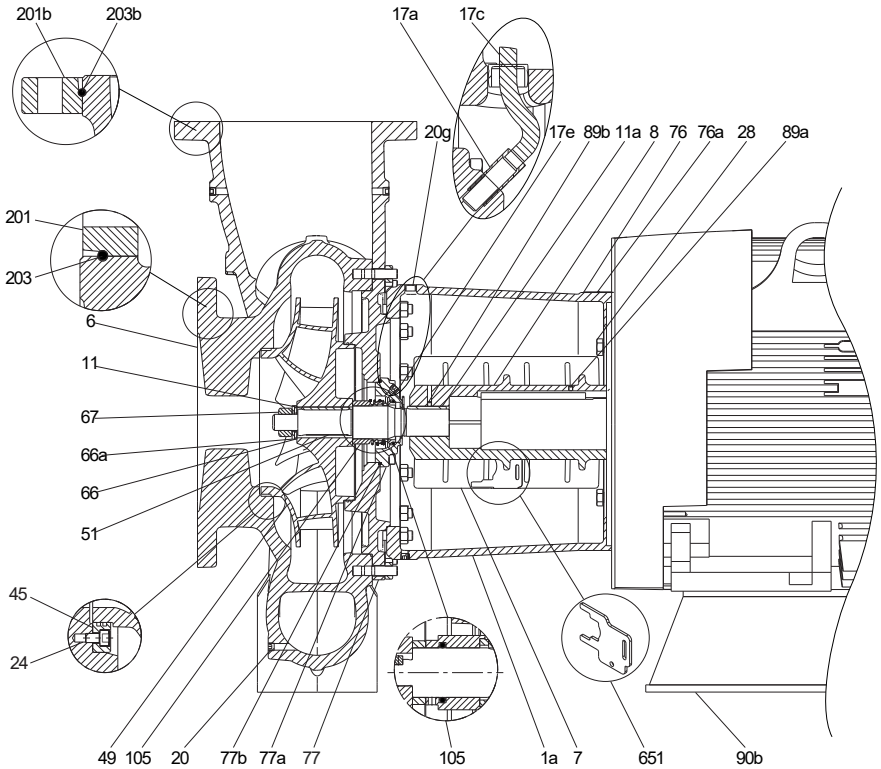
6. Construction

NBS, center-line outlet



TM077165

NBS, tangential outlet



TM077285

Material specification, NBS

Pos.	Description	Materials	
		AISI/ASTM	EN/ISO
1a	Motor stool	ASTM Class 35 (Gray cast iron)	EN-GJL-250
6	Pump housing	ASTM Class 35 (Gray cast iron)	EN-GJL-250
		ASTM 70-50-05 (Ductile cast iron)	EN-GJS-500-7
7	Coupling guard	AISI 430	EN 1.4016
7a	Screw (coupling guard)	ASTM F568 grade 12.9	DN 912 grade 12.9
8	Coupling complete, split design	ASTM 70-50-05 (Ductile cast iron)	EN-GJS-500-7
9	Screw (coupling)	ASTM F568 grade 12.9	DN 912 grade 12.9
11	Key	AISI 316	EN 1.4401
		SAF 2205	EN 1.4462
11a	Key	Steel	Steel
17	Air vent plug (optional)	UNS C38500	2.0401 (CuZn39Pb3)
		AISI 316	EN 1.4401
		AISI 904L	EN 1.4539
17a	Pipe connector	Brass	Brass
17c	Pipe, re-circulation line	Nylon	Nylon
		Copper	Copper
		Stainless steel	Stainless steel
17e	Plug (Hexagon socket head plug)	ASTM F568 grade 8.8 (A327)	ISO 898 class 8.8
		AISI 316	EN 1.4401
		AISI 904L	EN 1.4539
20b	Plug	ASTM F568 grade 8.8 (A327)	ISO 898 class 8.8
		AISI 316	EN 1.4401
		AISI 904L	EN 1.4539
20e	Plug	ASTM F568 grade 8.8 (A327)	ISO 898 class 8.8
		AISI 316	EN 1.4401
		AISI 904L	EN 1.4539
20g	2-part plug	Composite	Composite
24	Hexagon socket head cap screw	AISI 316	EN 1.4401
		AISI 904L	EN 1.4539
26	Staybolt	ASTM Grade 8.8	DIN 939 class 8.8
26a	Staybolt	ASTM Grade 8.8	DIN 939 class 8.8
28	Screw	AISI 304	EN 1.4301
36	Nut	ASTM A193	DIN 934/ISO 4032 Grade 8
36b	Nut	ASTM A193	DIN 934/ISO 4032 Grade 8
45	Wear ring (optional)	UNS C 90700	EN CuSn10-C-GS
		ASTM Class 35 (Gray cast iron)	EN-GJL-250
		UNS C 86700	EN CuZn34Mn3AL2Fe1-C
49	Impeller	ASTM A351 CF8	EN 1.4308
		AISI 316	EN 1.4408
	Impeller (optional)	ASTM CD4MCuN	EN 1.4517
51	Shaft	AISI 420	EN 1.4021/1.4034
		AISI 304	EN 1.4301
		AISI 316	EN 1.4401
	Shaft (optional)	SAF 2205	EN 1.4462
66	Washer	AISI 304	EN 1.4301
		AISI 316	EN 1.4401
		AISI 904L	EN 1.4539
66a	Spring lock washer	AISI 304	EN 1.4301
		AISI 316	EN 1.4401
		AISI 904L	EN 1.4539

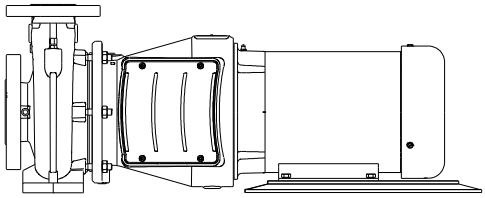
Pos.	Description	Materials	
		AISI/ASTM	**EN/ISO**
67	Impeller nut	AISI 304	EN 1.4301
		AISI 316	EN 1.4401
		AISI 904L	EN 1.4539
72a	O-ring	EPDM	EPDM
		Viton	Viton
		EPDM-NSF	EPDM-NSF
76	Nameplate	Aluminum	Aluminum
76a	Rivet	Aluminum	Aluminum
77	Cover	ASTM 70-50-05 (Ductile cast iron)	EN-GJS-500-7
77a	Seal cover	ASTM 70-50-05 (Ductile cast iron)	EN-GJS-500-7
77b	O-ring	EPDM	EPDM
		Viton	Viton
		EPDM-NSF	EPDM-NSF
77f	Screw	ASTM F568 grade 12.9	DN 912 grade 12.9
89a	Set screw	Carbon Steel	Carbon Steel
89b	Set screw	Carbon Steel	Carbon Steel
90a	Screw	Carbon Steel	Carbon Steel
90b	Support rail	ASTM A36	EN S275
90f	Support rail	ASTM A36	EN S275
90g	Screw	Carbon Steel	Carbon Steel
90h	Washer	Carbon Steel	Carbon Steel
90i	Washer	Carbon Steel	Carbon Steel
105	Shaft seal	AISI 316	EN 1.4401
		Hastelloy C-4	EN 2.4610
105c	Spacer, shaft seal	AISI 316	EN 1.4401
		SAF 2205	EN 1.4462
201	Loose flange inlet	ASTM 70-50-05 (Ductile cast iron)	EN-GJS-500-7
		AISI 316	EN 1.4401
201a	Loose flange outlet	ASTM 70-50-05 (Ductile cast iron)	EN-GJS-500-7
		AISI 316	EN 1.4401
203	Retainer, inlet	ASTM 301	EN 1.4310
203a	Retainer, outlet	ASTM 301	En 1.4310
651	Fork tool	AISI 304	EN 1.4301
651a	Screw, fork tool	ASTM 304	A2 stainless steel

Mechanical construction

Mounting design

NBS pumps come in these mounting designs:

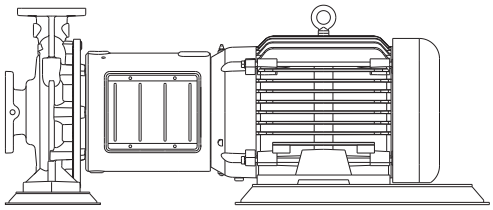
Mounting design B: support rail under motor



TM077436

Mounting design B

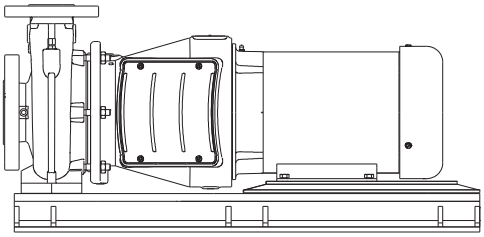
Mounting design C: support rails under pump housing and under motor



TM077437

Mounting design C

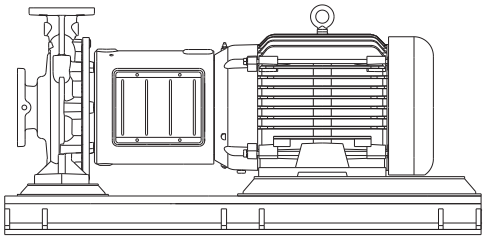
Mounting design F: support rail under motor with base frame



TM077438

Mounting design F

Mounting design F: support rails under pump housing and under motor with base frame



TM077682

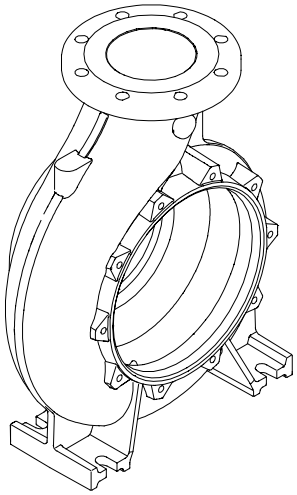
Mounting design F

Pump housing

The volute pump housing has an axial inlet port and a radial outlet center-line port. Flange dimensions are in accordance with ASME B16.5.

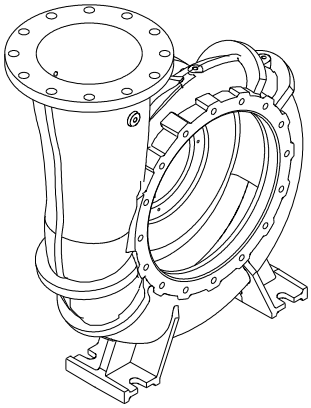
For 8" outlet and above, the outlet port is tangential.

The pump houses have both a priming and a drain hole closed by plugs.



TM030232

Pump housing with center-line outlet



TM077439

Pump housing with tangential outlet

Loose flange

Flanges are available as fixed or loose flanges depending on the pump material. Loose flanges are only available for ductile iron pumps.

A loose flange is a flange which can be adjusted to fit the existing pipes, and be adapted to the required flange standard and thus facilitate installation.

The loose flanges offer quite a few benefits compared to the standard type flanges:

• they save installation time in general.

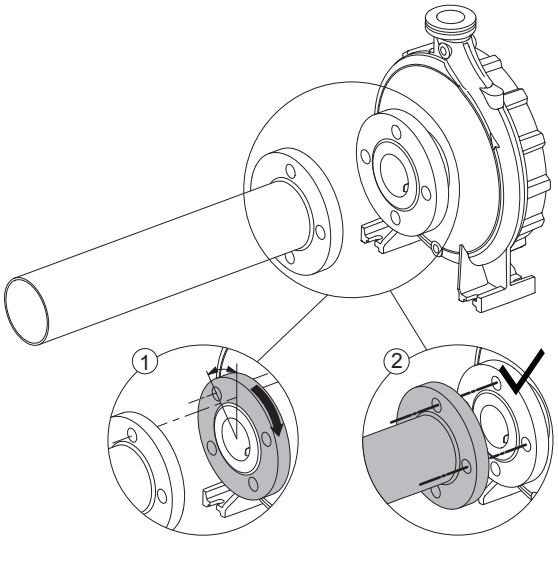
• they make up for twisted counter flange weldings.

• they provide full adaptability to the standards DIN, ANSI and JIS.

• you will have a flange that will fit the first time you replace an old pump or another brand; loose flanges range from 145 to 580 PSI (10 to 40 bar).

• you can make special installations where the flanges are turned to match limited space for service.

With loose flanges it is possible to turn the flange a few degrees if the counter flange has been twisted during installation and/or welding. The flange can be rotated to meet the connection. This will avoid stress being added to the pump and will reduce overall downtime.



TM060920

Loose flange

Motor stool and seal cover

The seal cover is provided with a manual air vent for the venting of the pump housing and the shaft seal chamber. The air vent can be replaced with a flush port which connects to a flush line from the pump housing. An O-ring forms the seal between cover and pump housing.

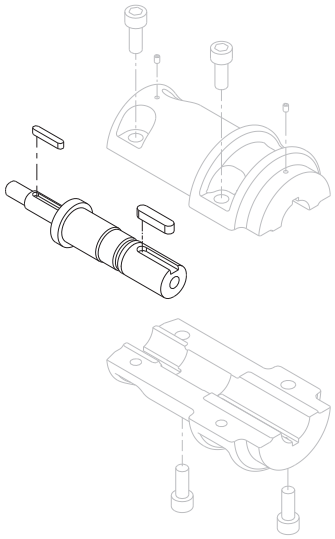
Coupling guards are fitted to the motor stool.

Motor stools are prepared for NEMA foot mounted TC 140-440 motor frames.

Shaft

The stainless steel shaft is ∅28, ∅38, ∅48, ∅55 or ∅60 where the shaft seal is mounted.

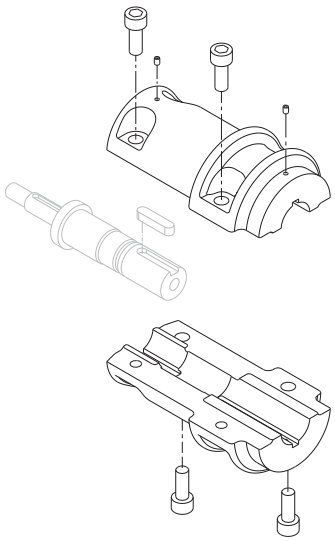
The shaft end where the coupling is fitted is a precision fitting with fine tolerances. This ensures an aligned and trouble-free rotating impeller unit.



TM077572

Shaft, NBS pump

Coupling



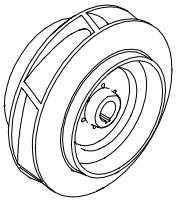
TM077573

Split coupling, NBS pump

The split coupling can be serviced without dismantling the motor from the base and without removing the pump housing from the pipework. This saves realignment of pump and motor after service. Fitting the coupling to the shaft is a precision fit. A tool supplied with the pump ensures this precision fit at all times.

Impeller

The impeller is a closed impeller with double-curved blades with smooth surfaces. This ensures high efficiency.



TM030231

Impeller, NBS pumps

All impellers are statically and hydraulically balanced. The hydraulic balancing compensates for axial thrust.

The direction of rotation of the impeller is clockwise when viewed from the motor.

All impellers can be adapted to the duty point as requested by the customer.

Surface treatment

The assembled pump will have a final layer of paint (4-6 mil inch/100-150 µm) on all external parts.

The color code for the finished product is NCS 9000/AL 9005.

Test pressure

Pressure testing is made with + 68 °F (20 °C) water containing corrosion inhibitor.

On request, duty point testing is available.

A hydrostatic pressure test is carried out on all pumps at 1.5 times of rated pressure according to HI 14.6:2016 standard.

Hydro-static pressure testing:

Pressure class	Rated pressure		Test pressure	
	[PSI]	[bar]	[PSI]	[bar]
125	175	12	263	18
300	363	25	545	37.5

Duty point performance testing is made according to HI 14.6:2016.

Motors and drives

For NBS pumps, Grundfos can provide a wide range of motors and drives for the below two categories:

- standard motors
- speed-controlled motors.

Standard motors are mains-operated whereas speed-controlled motors can be started and operated in various ways.

The speed-controlled pumps can be driven in two ways:

- by a standard motor with an external frequency converter. The frequency converter can be a Grundfos CUE or another make from other manufacturers.
- by a motor with an integrated frequency converter (Grundfos MLE motor).

Standard motors

The motor is a TEFC or ODP standard motor with main dimensions according to NEMA standards. Electrical tolerances are to NEC.

Motor protection

Three-phase motors must be connected to a motor-protective circuit and/or fuse according to local regulations. E-pumps have integrated motor protection and no need to have additional one.

Energy efficiency classification

The standard motor is NEMA premium.

Speed-controlled standard motors

General considerations

If you connect an external frequency converter to your standard motor, the motor insulation is exposed to higher voltage peaks due to the operation of the frequency converter. This causes the motor to be noisier than in normal operation. In addition, large motors are exposed to bearing currents caused by the frequency converter.

If you operate the motor via a frequency converter, consider the following:

- For 2-, 4- and 6-pole motors, 100 hp (75 kW) and above, isolate one of the motor bearings electrically to prevent damaging currents from passing through the motor bearings.
- Installation of grounding rings is also recommended for non-inverter ready motors or motors without shaft grounding rings because it provides a path to ground for the induced shaft voltage by high speed switching frequency of the VFDs which can cause bearing failure. MLE motors do not need grounding rings because they are using patented (EP3185405) solutions.
- In noise-sensitive applications, you can reduce the motor noise by fitting a dU/dt filter between the motor and the frequency converter. For particularly noise-sensitive applications, we recommend a sinusoidal filter.
- The length of the cable between motor and frequency converter affects the motor load. Therefore, check that the cable length meets the specifications laid down by the frequency converter supplier.
- For supply voltages between 500 and 690 V, install a dU/dt filter to reduce voltage peaks, or use a motor with reinforced insulation.
- For supply voltages of 690 V, use a motor with reinforced insulation, and fit a dU/dt filter.

Grundfos CUE

Pumps connected to Grundfos CUE external frequency converters



TM075268

Grundfos CUE frequency converters

CUE is a series of frequency converters designed for speed control of a wide range of pumps and applications.

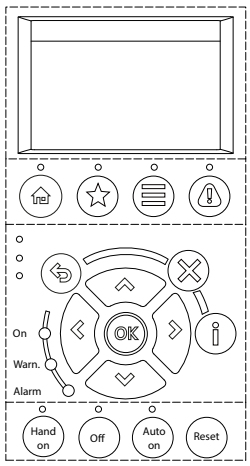
Grundfos CUE provides a variety of benefits to the end-user, such as:

- Grundfos E-pump functionality and user interface
- application- and pump family-related functions
- increased comfort compared to fixed-speed pump solutions
- simple and easy installation and commissioning compared to standard frequency converters
- speed control of pumps up to 350 hp (260 kW).

Intuitive startup guide

The startup guide enables easy and quick installation and commissioning. CUE startup guide normally starts at first power-on. Here, a number of parameters are set automatically on the basis of the pump type. Other parameters are set manually on the basis of motor and pump nameplate data. The startup guide can be repeated, if necessary.

Smart user interface of CUE



TM077977

Grundfos CUE user interface

Grundfos CUE features a unique user-friendly interface with graphic display and easy-to-use buttons.

The user interface offers these possibilities:

- Local operation via an operating panel with graphic display.
- Remote operation via external signals.
- Monitoring of operating status via indicator lights and signal relays.
- Display of alarms or warnings and logging.

Controlling the selected parameter

Grundfos CUE has a built-in PI controller offering closed-loop control of these parameters:

- constant differential pressure
- proportional pressure
- constant differential temperature
- constant temperature
- constant flow rate
- constant pressure
- constant level
- constant other value.

Wide product range

The CUE product range is quite comprehensive, covering five different voltage ranges, enclosure classes IP20/21 (NEMA 1) and IP54/55 (NEMA 12)*IP66 (for US market), and a wide range of output powers.

The table below provides a general overview.

Input voltage [V]	Output voltage [V]	Motor [hp] ([kW])
1 x 200-240	3 x 200-240	1.5 - 10 (1.1 - 7.5)
3 x 200-240	3 x 200-240	1-60 (0.75 - 45)
3 x 380-500	3 x 380-500	0.75 - 350 (0.55 - 250)
3 x 525-600	3 x 525-600	1-10 (0.75 - 7.5)
3 x 525-690	3 x 525-690	15-350 (11-250)

External communication

Grundfos CUE can communicate by means of LON, PROFIBUS, GRM, Cellular, PROFINET, Modbus or BACnet via Grundfos CIU.

Grundfos E-motors

IE5

NBSE are pumps with motor and integrated frequency converters.

The Grundfos MLE utilizes a Permanent Magnet Synchronous Motor (PMSM) which carries an IE5 rating based on European Commission standards. This IE5 rating exceeds the current NEMA Premium Efficiency standard.



TM077942

NBSE pump

The MLE motor is a totally enclosed, fan-cooled, frequency-controlled motor with dimensions according to NEMA standards. Electrical tolerances are to IEC 60034 and NEMA.

Grundfos integrated CUE solutions



TM087595

NBSE pump with integrated CUE

NBE and NKE integrated CUE solution integrates the Grundfos CUE in-house with IE5 Permanent Magnet motors. The CUE is configured with specific pump parameters to ensure optimal performance. The Series 2000 pumps are paired with Grundfos digital differential pressure sensors and are set to operate in proportional differential pressure control mode.

Grundfos CUE also offers sensorless proportional differential pressure and sensorless constant differential pressure options for sensorless pumps. These controls are based on calculations using motor parameters, though their accuracy is not as high as when using sensors. This function must be ordered in advance and calibrated at the factory prior to shipment.

Motor protection

The motor requires no external motor protection. Both MLE and CUE solution incorporate thermal protection against overload and stalled condition. The Motor is also protected against power supply transient voltages in accordance with EN-61800-3.

Benefits

Grundfos E-pumps provide a variety of benefits to the end-user, such as:

- Grundfos E-pump functionality and user interface
- a perfect match between pump and frequency drive
- application- and pump family-related functions
- increased comfort compared to fixed-speed pump solutions
- simple installation and commissioning compared to standard frequency converters.

Smart user interface of MLE



TM078031

Grundfos MLE motors feature a user-friendly interface with easy-to-use buttons. See section Operating panel.

Controlling the selected parameter

Grundfos MLE has a built-in PI controller offering closed-loop control of these parameters:

- constant differential pressure
- proportional differential pressure
- constant temperature
- constant flow rate
- constant pressure
- constant differential temperature
- constant level
- constant curve
- constant other value.

External communication

Grundfos MLE can communicate by means of LON, PROFIBUS, Cellular, GRM, PROFINET, Modbus or BACnet as described in section Communication with E-pumps.

Related information

Communication with E-pumps
20. Grundfos Product Center

Optional motors

The Grundfos standard range of motors covers a wide variety of application requirements. However, for special applications or operating conditions, custom-built motor solutions can be provided.

For special applications or operating conditions, Grundfos offers custom-built motors such as:

- ATEX-approved motors
- ML motors with anti-condensation heating unit
- motors with thermal protection.

7. Operating conditions

Ambient temperature and installation altitude

The ambient temperature and the installation altitude are important factors for the motor.

All motors are able to operate without power derating for temperatures up to +104 °F (+40 °C) or below altitude of 3280.8 ft (1000 m) above sea level. Above these two limits, it may be necessary to use a motor with a higher output, or de-rated. Contact the motor manufacturer if the motor is to be operated above these limits. Consult the motor manufacturer before operating the motor above these limits.

Liquid temperature

Liquids with temperatures ranging from -10 to 284 °F (-25 to +140 °C) are covered in this data booklet.

The maximum liquid temperature is stamped on the nameplate, and depends on the shaft seal chosen.

Note that the maximum liquid temperature limits stated by Grundfos may be overruled by local regulations and various laws.

Flow rates

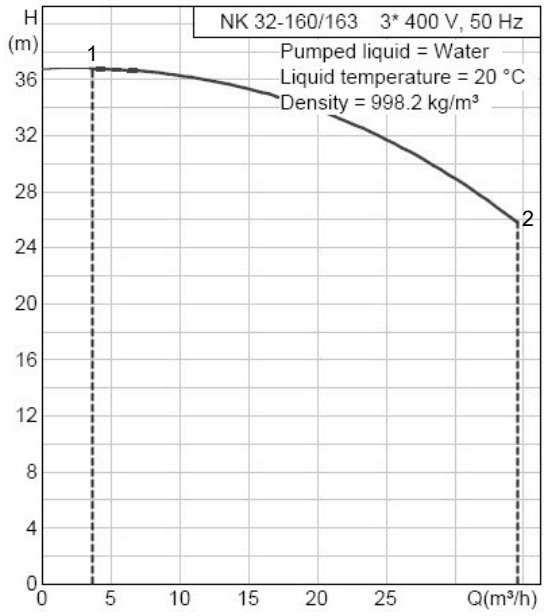
Minimum flow rate

The pump must not run against a closed valve as it causes an increase in temperature and a formation of steam in the pump. That may result in shaft damage, impeller erosion, short life of bearings and damage to the stuffing boxes or mechanical shaft seals due to stress or vibration. The continuous stable flow rate must be at least 10 % of the rated flow rate. The rated flow rate is stated on the pump nameplate.

Maximum flow rate

Do not exceed the maximum flow rate, otherwise there is a risk of cavitation or overload, for instance.

The minimum and maximum flow rates are indicated either on the performance curve pages, or on a curve for a specific pump when selecting it in the Grundfos Product Center. See www.grundfos.com.



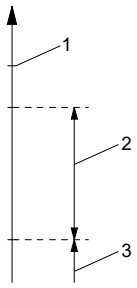
TM051652

Example from Grundfos Product Center showing minimum and maximum flow rate

Pos.	Description
1	Minimum flow rate
2	Maximum flow rate

Pressures in the pump

Maximum operating pressure



TM075513

Pressures in the pump

Pos.	Description
1	Maximum operating pressure (pressure above atmospheric pressure)
2	Pump pressure
3	Inlet pressure

The total value of the inlet pressure and the pump pressure must be lower than the maximum operating pressure stated on the pump nameplate. Operation against a closed valve gives the highest operating pressure.

Minimum inlet pressure

Monitor the minimum inlet pressure to avoid cavitation. The risk of cavitation is higher in the following situations:

- The liquid temperature is high.
- The flow rate is considerably higher than the rated flow rate of the pump.
- The pump is operating in an open system with suction lift.

Maximum inlet pressure

The total value of the inlet pressure and the pump pressure must be lower than the maximum operating pressure stated on the pump nameplate. Operation against a closed valve yields the highest operating pressure.

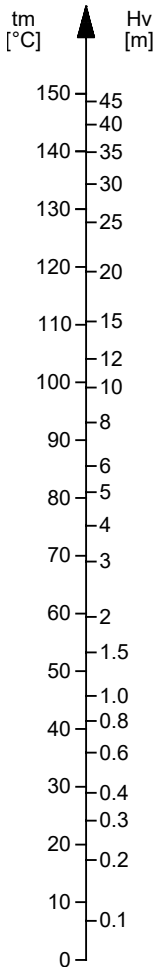
Suction lift in open systems

Calculation of suction lift in open systems (water)

The suction lift "H" in feet head required during operation to avoid cavitation in the pump can be calculated by means of the following formula:

$H = p_b \times 2.31 - NPSH - H_f - H_v$

H	Suction lift
p_b	Barometric pressure in PSI. The barometric pressure can be taken as equal to 14.5 PSI. In closed systems, p_b indicates system pressure in PSI.
NPSH	Net Positive Suction Head in feet head. The NPSH value can be read from the NPSH curve at the highest flow rate the pump will be delivering. The maximum flow rate must not exceed the maximum flow rate shown on the QH curve. The NPSH curve and QH curve for the individual pump can be found in Grundfos Product Center and in the relevant data booklet.
H_f	Friction loss in the inlet pipe in feet head at the highest flow rate the pump will be delivering.
H_v	Vapor pressure in feet head. See figure below.



TM003037

Relation between liquid temperature and vapor pressure

How to determine the vapor pressure in feet

Step 1: Degree C = (Degree F - 32) /1.8

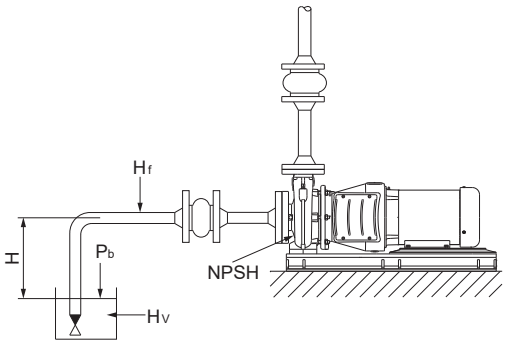
Step 2: Vapor pressure from meter to feet: 1 meter = 3.28 feet.

Positive H value

Example:

Liquid temperature:	68 °F (20 °C)
Pump size:	NBS 030-110
Flow rate:	550 GPM
p_b:	14.5 PSI
NPSH:	15 ft head
H_f:	9 ft head
H_v:	1 ft head
$H = p_b \times 2.31 - NPSH - H_f - H_v$ [ft head]	
H = 14.5 x 2.31 - 15 - 9 - 1 = **8.5** ft head	

If the calculated value of H is positive, the pump can operate with a maximum suction lift of H feet.



TM077936

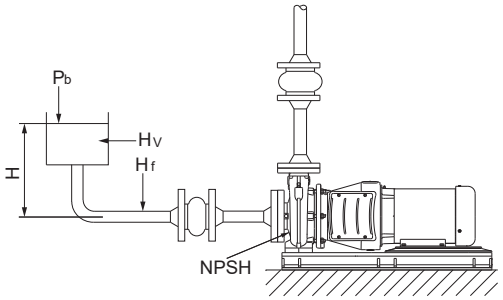
Suction lift with positive H

Negative H value

Example:

Liquid temperature:	194 °F (90 °C)
Pump size:	NBS 030-110
Flow rate:	550 GPM
p_b:	14.5 PSI
NPSH:	15 ft head
H_f:	9 ft head
H_v:	23.6 ft head
$H = p_b \times 2.31 - NPSH - H_f - H_v$ [ft head]	
H = 14.5 x 2.31 - 15 - 9 - 23.6 = **-14.1** ft head	

If the calculated value of H is negative, a minimum suction head of H feet is required. The calculated H must be present during operation.



TM077937

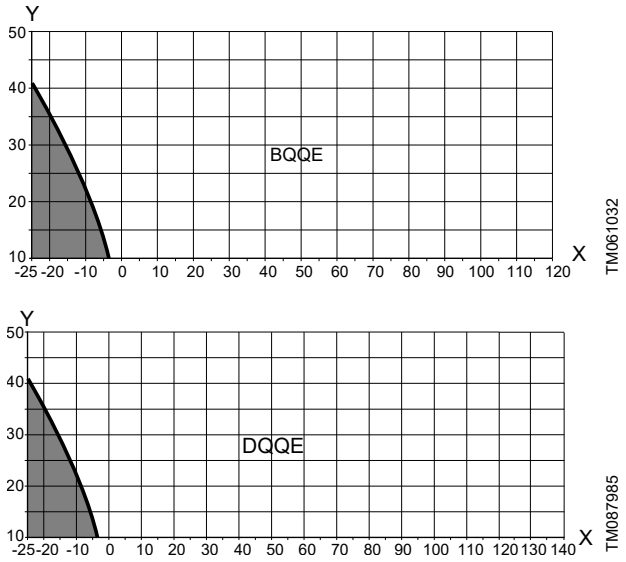
Suction lift with negative H

Operating range of mechanical shaft seals

The operating range of the seals is described for two main applications: pumping of water or pumping of coolants.
Seals with a temperature range of 32 °F (0 °C) and up are mainly used for pumping water, while seals for temperatures below 32 °F (0 °C) are mainly intended for coolants.

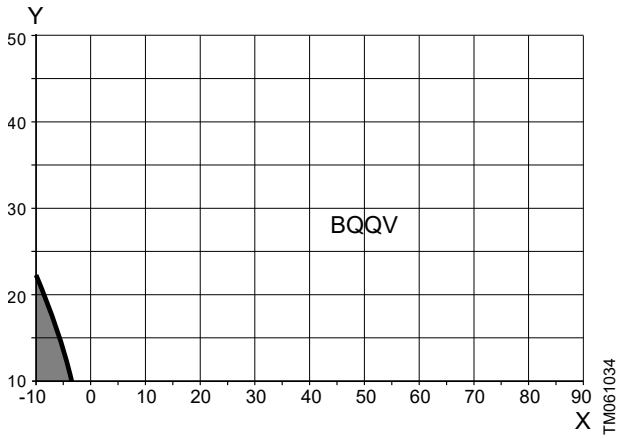
Shaft seal diameter [mm]						28, 38	48	55	60
Shaft seal type		Seal faces	Rubber	Code	Temperature range	Maximum pressure [PSI] ([bar])			
	Bellows seal, type B, unbalanced	BQ_7	FKM	BBQV	32-194 °F (0-90 °C)	232 (16)	232 (16)	232 (16)	232 (16)
		Q_7Q_7	EPDM	BQQE	-13 to +248 °F (-25 to +120 °C)	232 (16)	232 (16)	232 (16)	232 (16)
		Q_7Q_7	FKM	BQQV	14 to 194 °F (-10 to +90 °C)	232 (16)	232 (16)	232 (16)	232 (16)
	O-ring seal, type D, balanced	AQ_7	FXM	DAQF	32-284 °F (0-140 °C)	363 (25)	363 (25)	363 (25)	363 (25)
		Q_6Q_7	EPDM	DQQE	-4 to +284 °F (-20 to +140 °C)	363 (25)	363 (25)	363 (25)	363 (25)

Recommended shaft seal for water-glycol mixture



Operating range of EPDM shaft seals

Pos.	Description
X	Temperature [°C]
Y	Glycol content [%]



Operating range of FKM shaft seals

Pos.	Description
X	Temperature [°C]
Y	Glycol content [%]

Carbon and silicon carbide (xAQx), (xBQx)

Mechanical shaft seals with carbon-silicon carbide seal faces have a wide range of applications and are especially suitable if there is risk of dry running and/or if the temperature is high. These mechanical shaft seals are not suitable for liquids containing abrasive particles as the carbon parts will be worn. At temperatures below 32 °F (0 °C), corrosion inhibitors containing abrasive particles are usually added to the pumped liquid, and these seals will thus not be suitable.

Note: The antimony impregnation (A) is not approved for potable water applications.

Silicon carbide and silicon carbide (xQQx)

Mechanical shaft seals with silicon carbide-silicon carbide seal faces also have a very wide range of applications. These seals are very resistant to abrasive particles and well suited at liquid temperatures up to 194 °F (90 °C) for Q_1 types, and up to 120 °C for Q_6 types. At higher temperatures, the reduced lubricating properties of the pumped liquid may cause noise problems and limit the life of the seal faces.

EPDM (xxxE)

Mechanical shaft seals with EPDM (xxxE) rubber are primarily suitable for water.

If the water contains oil or if chemicals or other liquids than water are pumped, you may have to replace the rubber parts of the mechanical shaft seal.

FKM (xxxV)

Mechanical shaft seals with FKM (xxxV) rubber have excellent resistance against oil and a number of chemicals.

8. Mechanical installation

Installation requirements

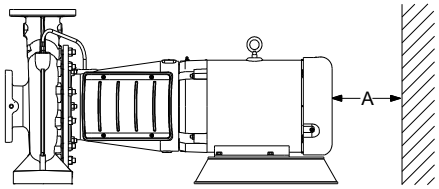
Pump location

The pump must be sited in a well-ventilated, but frost-free location.

Minimum clearance

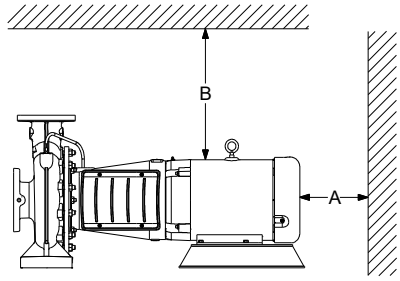
For inspection and repair, allow suitable clearance for pump and motor removal.

- Pumps fitted with motors up to and including 4 kW (5 hp) require a 12 inches (0.3 m) clearance behind the motor.



TM075314

- Pumps fitted with motors of 7.5 hp (5.5 kW) and up require a 12 inches (0.3 m) clearance behind the motor and at least a clearance of 40 inches (1 m) above the motor to allow for the use of lifting equipment. A is minimum 12 inches (0.3 m), B is minimum 40 inches (1 m). See the figure below.



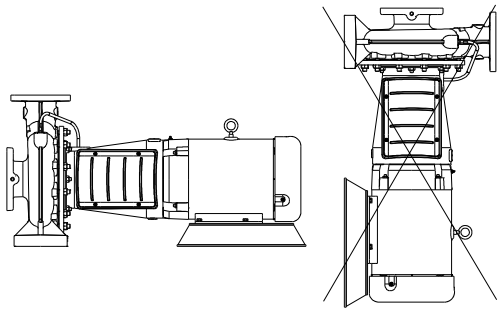
TM075399

Installation positions

Arrows on the pump housing show the direction of the flow of liquid through the pump.

Only horizontal installation is allowed for NBS pumps. Contact Grundfos for information on extra installation requirements if special installation positions are needed.

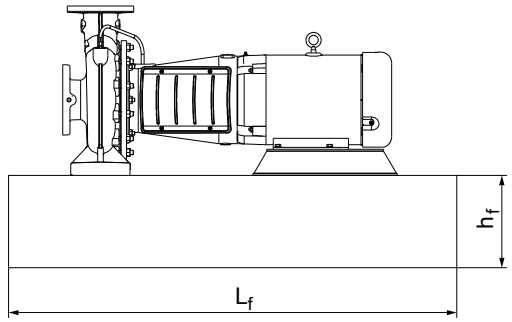
The motor must never be positioned below the horizontal plane. Horizontal motors with feet must always be supported.

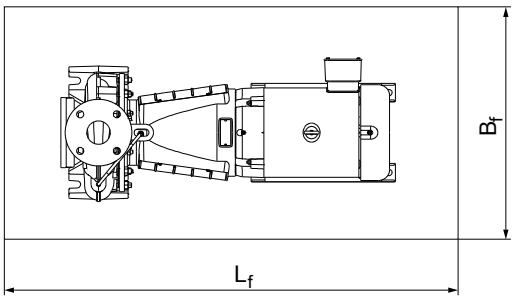


TM075316

Foundation

- We recommend that you install the pump on a flat concrete foundation that is heavy enough to provide permanent support for the entire pump.
- The foundation must be adequate for absorbing any vibration, normal strain or shock.
- The foundation may float on springs or be a raised part of the floor.
- Optimally, the weight of the concrete foundation must be at least 1.5 times the weight of the pump.
- The foundation must have a completely even surface.
- The foundation length and width must always be 8 inches (200 mm) larger than the length and width of the pump. See the figure below.





TM075315

The minimum height of the foundation, indicated by hf, can be calculated with the following formula:

$$h_f = \frac{m_{pump} \times 1.5}{L_f \times B_f \times \delta_{concrete}}$$

h_f	Height of the foundation [in] ([m])
L_f	Length of the foundation [in] ([m])
B_f	Width of the foundation [in] ([m])
m_{pump}	Mass of the pump [lbs] ([kg])
$\delta_{concrete}$	Density of the concrete [lb/in^3] ([kg/m^3])

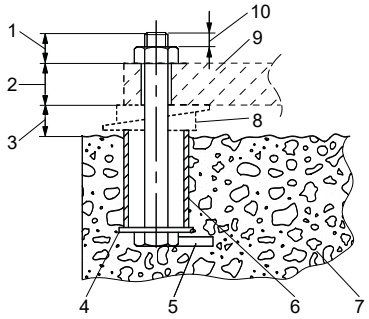
The density (δ) of concrete is usually taken as 0.08 lb/in^3 (2200 kg/m^3).

- In installations where noiseless operation is particularly important, we recommend a foundation with a mass up to 5 times that of the pump.

Preparing the foundation

We recommend the following procedures to ensure a good foundation:

1. Pour the foundation without interruption to 0.75 to 1.25 inches (19 to 32 mm) of the final level. Use an approved, non-shrinking concrete. Contact your concrete supplier for advice if any doubts.
2. Use vibrators to ensure that the concrete is evenly distributed. The top surface must be well scored and grooved before the concrete sets. This provides a bonding surface for the grout.
3. Embed anchor bolts in the concrete. Allow enough bolt length to reach through grout, shims, the lower part of the support rail, nuts and washers.



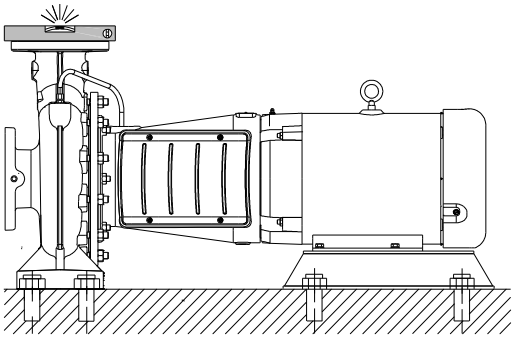
TM075514

Pos.	Description
1	Bolt length above the support rail
2	Thickness of the support rail
3	0.75 - 1.25 in. (19-32 mm) allowance for grout
4	Washer
5	Lug
6	Pipe sleeve
7	Foundation with rough top
8	Wedges and shims left in place
9	Support rail
10	0.2 - 0.4 in. (5-10 mm)

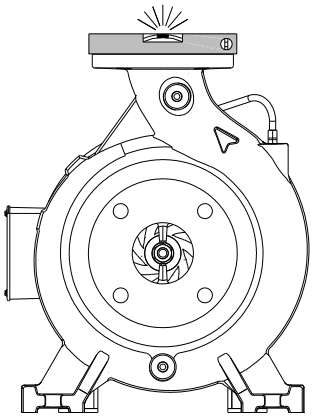
4. Let the foundation cure for several days before levelling and grouting the support rail.
5. Apply grout if needed. NBS pumps do not require grouting to maintain shaft alignment, but grouting will increase pump stability within the pipe system. Grouting compensates for an uneven foundation, distributes the weight of the unit, dampens vibrations and prevents shifting. Use an approved, non-shrinking grout. If you have questions or doubts about the grouting, please contact an expert on grouting.

Levelling of the product without base frame

1. Level the pump shaft and the flanges by using a spirit level and adjusting the wedges or shims as required.



TM075331

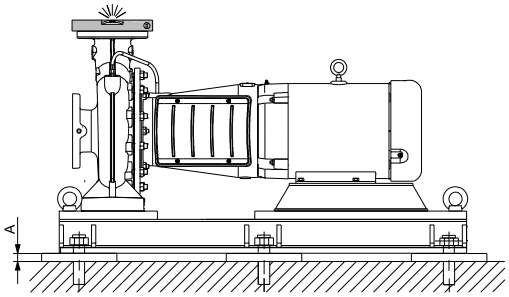


TM075332

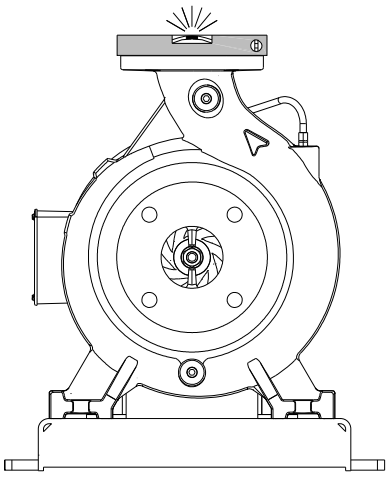
2. Tighten the anchor bolt nuts. Make sure the piping can be aligned to the pump flanges without putting strain on the pipes or the flanges.

Levelling of the product with base frame

1. Lift or jack up the base frame to the final level, 0.75 - 1.26 inches (19-32 mm) above the concrete foundation. Level the pump shaft and flanges by using a spirit level and adjusting the wedges or shims, as required. A indicates an allowance of 0.75 - 1.26 inches (19-32 mm). See the figure below.



TM075317



TM075318

2. Tighten the anchor bolt nuts. Make sure the piping can be aligned to the pump flanges without putting strain on the pipes or the flanges.

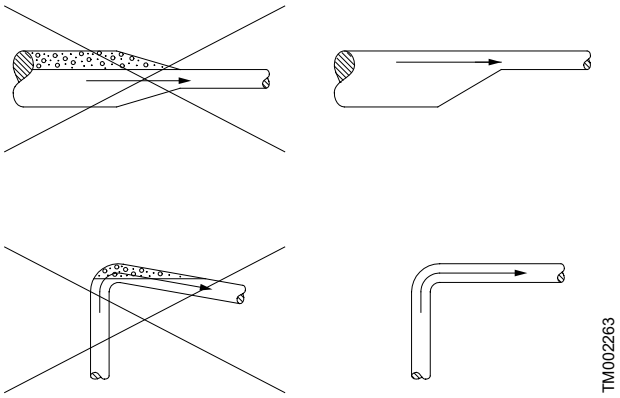
Pipes and connections

Pipe system

When installing the pipes, the pump housing must not be stressed by the pipes.

The inlet and outlet pipes must be of an adequate size, taking the pump inlet pressure into account.

The pipes must be installed in a way that air pockets are avoided, especially on the inlet side of the pump.



TM002263

Pipelines

The pipes must be as straight as possible, so as to avoid unnecessary bends and fittings. Where necessary, use 45° or longsweep 90° pipe bends to decrease friction loss.

Where flanged joints are used, internal diameters must match properly and mounting holes must be aligned.

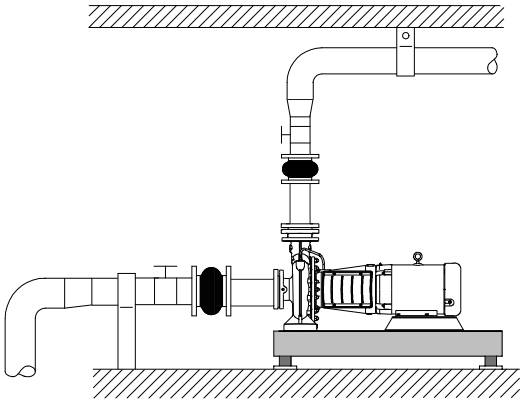
Connecting the inlet pipes

- Run the inlet pipe as direct as possible, and optimally, make sure the length is at least ten times the pipe diameter. A short inlet pipe can be the same diameter as the inlet port. A long inlet pipe must be one or two sizes larger than the inlet port, depending on the length, and with a reducer between the pipe and the inlet port.
- If possible, run a horizontal inlet line along an even gradient. We recommend a gradual upward slope to the pump under suction lift conditions, and a gradual downward slope under positive inlet pressure conditions.
- Avoid any high points, such as pipe loops, as this may create air pockets and throttle the system, or cause erratic pumping.
- Install a valve on the inlet line to allow for isolation of the pump during shutdown and maintenance, and to facilitate pump removal. Where two or more pumps are connected to the same inlet line, install valves to isolate each pump from the line.
- Always install valves in positions that do not yield air pockets.
- During pumping operation, the valves on the inlet line must always be fully open.

Connecting the outlet pipes

We recommend that you use long horizontal outlet pipes.

- Install a valve near the outlet port to allow for isolation of the pump during shutdown and maintenance, and to facilitate pump removal.
- Avoid high points in the outlet pipe because it might entrap air or gas, and thus retard pump operation.
- If water hammer occurs, for example when check valves are used, close the outlet valve before pump shutdown.
- Make sure the pipes are adequately supported as close to the pump as possible, both on the inlet and the outlet side.



TM075319

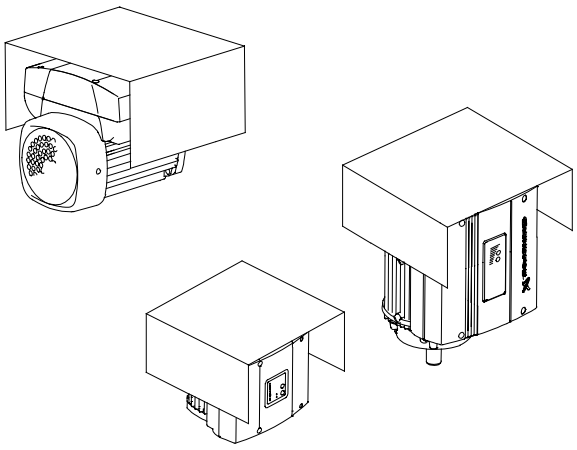
Pump installation

The counterflanges must be properly aligned so that the pump is not strained while the flange bolts are tightened.

Condensation cover

When installing the pumps outdoors, provide the motor with a suitable cover to protect the pump and motor against the direct effects of the elements.

When mounting the condensation cover on top of the motor, make sure to leave enough space for the air to cool the motor.



TM079060

Motors with condensation cover

Expansion joints

Expansion joints provide these advantages:

- absorption of thermal expansion and contraction of pipes caused by variations in liquid temperature
- reduction of mechanical influences in connection with pressure surges in the pipes
- isolation of structure-borne noise in the pipes, applying only to rubber bellows expansion joints.

Note: Do not install expansion joints to make up for inaccuracies in the pipework, such as center displacement or misalignment of flanges.

The expansion joints must be fitted at a minimum distance of 1 to 1.5 times of the pipe diameter away from the pump on the inlet and the outlet side. This will prevent turbulence in the expansion joints, thus ensuring optimum inlet conditions and minimum pressure loss on the outlet side. At flow velocities greater than 16.4 ft/s (5 m/s), we recommend that you fit larger expansion joints matching the pipes.

The figures below show examples of rubber bellows expansion joints with or without limiting rods.



TM024979



TM024981

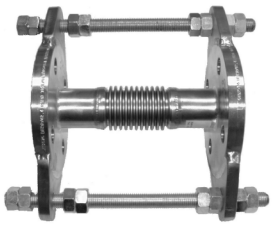
Rubber bellows expansion joints with and without limiting rods

We always recommend that you use expansion joints with limiting rods for flanges larger than DN 100 in order to reduce the effects of the expansion or contraction forces on the pipes.

Follow the supplier's instructions and pass them on to advisers or pipe installers.

You must anchor the pipes in such a way that they do not stress the expansion joints and the pump.

The figure below shows an example of a metal bellows expansion joint with limiting rods.



TM024980

Metal bellows expansion joint with limiting rods

Due to the risk of rupture of the rubber bellows, we recommend that you use metal bellows expansion joints at temperatures above 212 °F (100 °C) combined with high pressure.

Measuring instruments

Pressure gauge and manovacuum gauge

To ensure continuous monitoring of the operation, we recommend that you install a pressure gauge on the outlet side and a manovacuum gauge on the inlet side. The pressure gauge tapings must only be opened for test purposes.

The measuring range of the gauges must be 20 % above the maximum pump pressure. When measuring with pressure gauge on the pump flanges, note that a pressure gauge does not register dynamic pressure.

On all pumps, the diameters of the inlet and outlet flanges are different which results in different flow velocities at the two flanges. Consequently, the pressure gauge on the outlet flange will not show the pressure stated in the technical documentation, but a value which may be up to 22 PSI (1.5 bar) or approximately 50 ft (15 m) of head lower.

Ammeter

We recommend connecting an ammeter to check the motor load.

9. Speed-controlled pumps

NBS pumps are available using Grundfos MLE motors with integrated speed control or integrated CUE solution. These pumps are also called E-pumps and the pump designation is NBSE.

E-pumps are suitable for applications where the pressure, temperature, flow rate or another parameter is to be controlled on the basis of signals from a sensor at the pump or at some other strategic point in the system.



TM077942

NBSE pumps with sensors from the factory

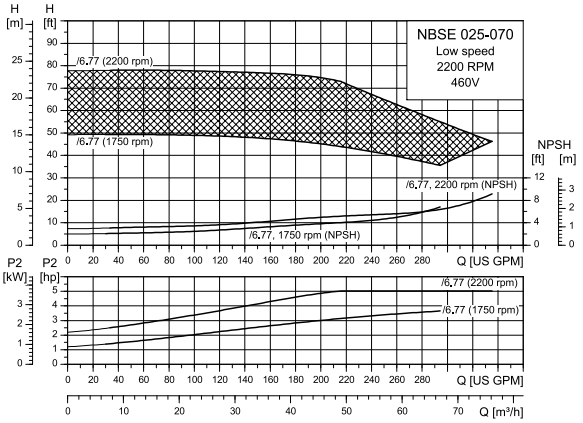


TM087595

NBSE pump with integrated CUE

E-pump type	Medium speed 4000 RPM	Low speed 2200 RPM
NBSE with MLE motors	3 - 30 hp (2.2 - 22 kW)	1.5 - 30 hp (1.1 - 22 kW)
NBSE with integrated CUE	3 - 75 hp (2.2 - 55 kW)	1.5 - 75 hp (1.1 - 55 kW)

E-pumps with the above mentioned motor sizes can operate at medium speed (up to 4000 RPM maximum) or at low speed (up to 2000/2200 RPM maximum).



TM081059

Example: NBSE 025-070

This pump size uses a 5 HP motor for both a fixed speed pump and for the speed controlled pump. The speed of the E-pump having a 6.77 inch impeller trim can be increased to 2200 RPM for part of the flow range until the motor reaches its power limit (around 215 GPM). When this happens the E-pump motor maintains max power output to the max flow of the pump – illustrated by a linear curve for both Flow-Head and Flow-Power performance.

The fixed speed pump operates at approximately 1750 RPM.

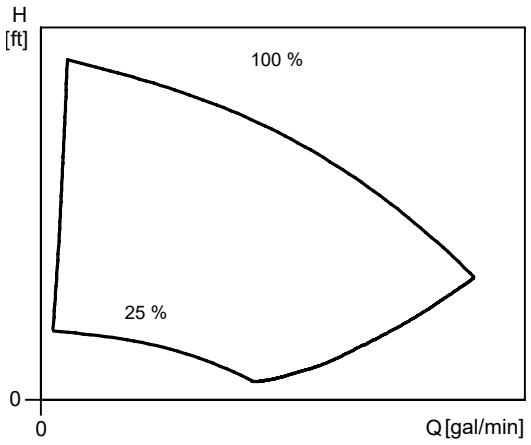
This means that having the same hydraulic design you will get a considerably larger performance area, and the E-pump is able to deliver higher head and flow rate with the same motor size.

E-pumps in connection with a CUE

Pumps with 6-pole motors or 2-pole and 4-pole motors larger than 75 hp can be connected to a Grundfos CUE or an external frequency converter.

The external speed control enables the pump to operate at any duty point between 25 % and 100 % speed. The performance adapts to current conditions and keeps the energy consumption at a minimum.

The 100 % curve corresponds to the curve of a pump with a mains-operated motor.



TM081072

Duty range of E-pumps in connection with a CUE

Why select an E-pump

The main reasons for choosing a Grundfos E-pump instead of a conventional standard motor and separate frequency converter are listed as below:

1. Unique product
   - The motor and frequency converter are perfectly matched. The customer will not experience the same problems which may occur when using a standard motor with separate frequency converter, such as noise due to switch frequency.
   - Predefined intelligent control modes, such as constant pressure and constant level. These predefined control modes make it easy to fit the pump into any application.
2. Full application adaptation
   - Functionality is matched to the specific pump application.
   - Grundfos makes a customized configuration file to suit the customer's requirements.
   - Full adaptation to any control management system by means of various interfaces.
3. Simple and easy installation
   - Reduced installation and wiring costs compared to standard frequency converters.
   - Box product, ready for direct installation and use with preconfigured parameters.
   - No further programming required. An E-motor is a plug-and-pump product.
   - On-site customization of the software configuration file to adapt to changed operating parameters.
   - Control, monitor, install, commission, and email reports all from your smart device via the Grundfos GO technology.
4. One supplier
   - Complete product is supplied by one sole supplier. This gives the customer security as only one supplier needs to be contacted in case of problems or complaints.
5. Intelligence
   - New benefits by new advanced features and functions
   - The E pumps can interact with or control the surrounding devices by means of input/output terminals or signal relays.
6. Smart duty/standby and cascade functions enable the pump system to operate coordinately.
7. Energy saving due to very high efficiencies
   - All motors are IE5 and complete PDS (Power Drive System) high in IES2
   - Auto adapt to the flow points and no energy is wasted on excessive head.
8. Integrated solution
   - Ensure compactness and easy replacement from non-E to E product
9. Customization
   - All functional modules, user interfaces and CIM/CIU modules which can be customized to suit your needs
10. Low maintenance cost
    - High quality and high reliability - focus on avoiding bearing currents
11. Remote controllable
    - Support most of the protocols by integrated communication modules or accessories.
    - Easy to connect with the control systems.
    - Grundfos apps allow for easy monitoring and control of pumps via smart devices.

Maximum speed of the impeller

For stainless steel impellers the limit is 4000 RPM regardless of impeller size.

Mains supply

Pumps equipped with MLE motors: The supply voltage and frequency are indicated on the motor nameplate.

Pumps equipped with CUE and PM motors: The supply frequency is marked on the CUE nameplate. The supply voltage should be within the CUE rated voltage interval and equal to or higher than the motor rated voltage.

According to the equipped CUE and motor, the supply voltage should be one of below:

- 3 x 200-240V (CUE rated 3 x 200-240V, motor rated 3 x 200V)
- 3 x 460-500V (CUE rated 3 x 380-500V, motor rated 3 x 460V)
- 3 x 575-600V (CUE rated 3 x 525-600V, motor rated 3 x 575V)
- 3 x 575-690V (CUE rated 3 x 525-690V, motor rated 3 x 575V)

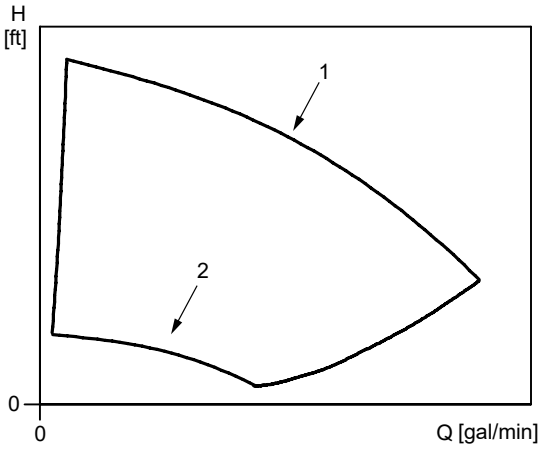
Affinity equations

Normally, NBSE pumps are used in applications characterized by a variable flow. Consequently, it is not possible to select a pump that is constantly operating at its optimum efficiency.

To achieve optimum operating economy, select the pump on the basis of the following criteria:

- The maximum duty point required must be as close as possible to the nominal speed QH curve of the pump.
- The flow rate at the duty point required must be close to the optimum efficiency (eta) for most operating hours.

Between the minimum and maximum performance curve, NBSE pumps have an infinite number of performance curves each representing a specific speed. It may therefore not be possible to select a duty point close to the maximum curve.



Minimum and maximum performance curves

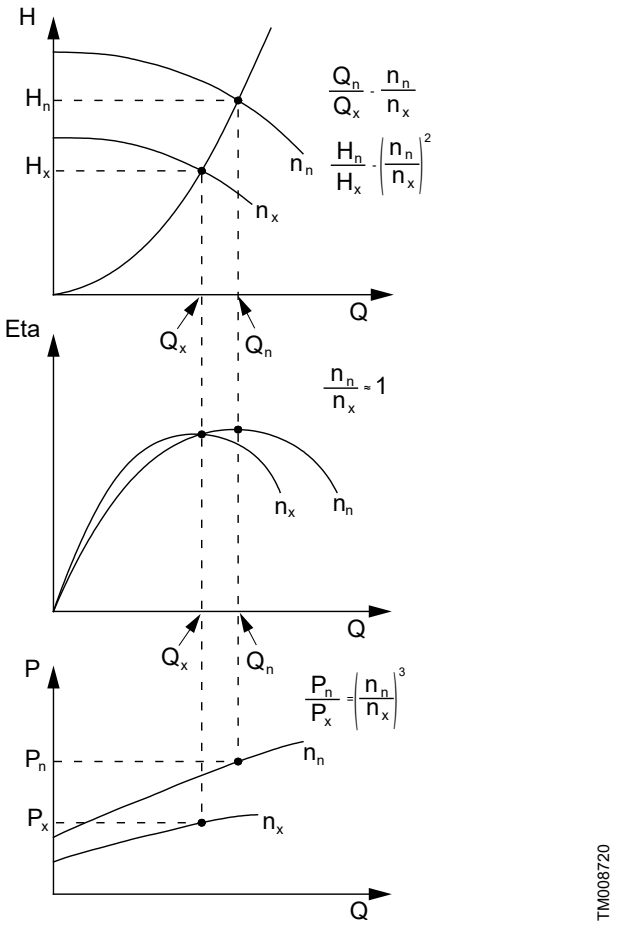
Pos.	Description
1	Maximum curve
2	Minimum curve

In situations where it is not possible to select a duty point close to the maximum curve, use the affinity equations below. The head (H), the flow rate (Q) and the input power (P) are the appropriate variables you need to be able to calculate the motor speed (n).

Note: The approximated formulas apply on condition that the system characteristic remains unchanged for n_n and n_x and that it is based on the formula H = k × Q2, where k is a constant.

The power equation implies that the pump efficiency is unchanged at the two speeds. In practice, this is not quite correct.

Finally, it is worth noting that the efficiencies of the frequency converter and the motor must be taken into account if a precise calculation of the power saving resulting from a reduction of the pump speed is wanted.



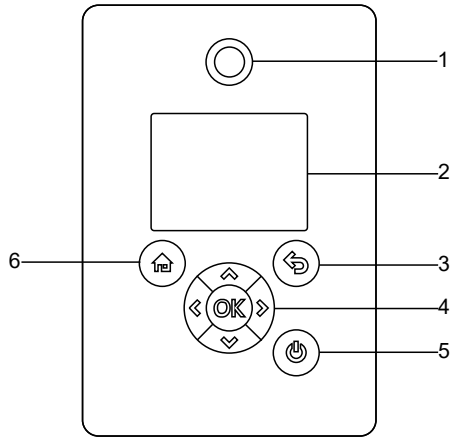
Affinity equations

H_n	Rated head in m
H_x	Actual head in m
Q_n	Rated flow rate in gal/min (m^3/h)
Q_x	Actual flow rate in gal/min (m^3/h)
P_n	Rated input power in hp (kW)
P_x	Actual input power in hp (kW)
n_n	Rated motor speed in min^{-1}
n_x	Actual motor speed in min^{-1}
η_n	Rated efficiency in %
η_x	Actual efficiency in %

Communication with the E-solution

	E-solution	
	MLE	CUE
Operating panel on unit	x	x
Grundfos GO control	x	-
Central building management system	x	x

Operating panel for MLE



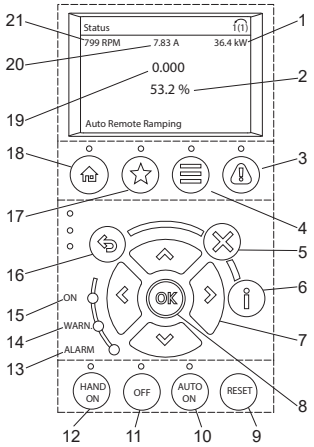
Advanced control panel

Pos.	Symbol	Description
1		Grundfos Eye The indicator light shows the operating status of the pump.
2	-	Graphical color display.
3		Press the button to go one step back.
4		Press the button to navigate between main menus, displays and digits. When you change the menu, the display always shows the top display of the new menu.
		Press the buttons to navigate between submenus or change value settings. **Note:** If you have disabled the possibility to make settings with the "Enable/disable settings" function, then you can enable it again temporarily by pressing these buttons simultaneously for at least 5 seconds.
	OK	Press the button to save changed values, reset alarms and expand the value field. The button enables radio communication with Grundfos GO and other products of the same type. When you try to establish radio communication between the pump and Grundfos GO or another pump, the green indicator light in Grundfos Eye flashes. A note also appears in the pump display stating that a wireless device wants to connect to the pump. Press OK on the pump control panel to allow radio communication with Grundfos GO and other products of the same type.
5		Press the button to make the pump ready for operation or to start and stop the pump. **Start:** If you press the button when the pump is stopped, the pump will only start if no other functions with higher priority have been enabled. **Stop:** If you press the button when the pump is running, the pump always stops. When you stop the pump via this button, the icon appears in the bottom of the display.
6		Press the button to go to the "Home" menu.

Operating panel

The operating panel consists of a display and several buttons. It enables manual setting and monitoring of the system, such as follows:

- Start, stop and control of speed.
- Reading of operating data and warnings and alarms.
- Setting functions for the frequency converter.
- Manual reset of the frequency converter.



TM074597

Operating panel

Pos.	Buttons	Description
1		Power [kW]
2		Reference [%]
3		[Alarm log]: shows a list of current warnings, the last 10 alarms and the maintenance log.
4		[Main menu]: allows access to all programming settings.
5		[Cancel]: cancels the last change or command as long as the display mode has not changed.
6		[Info]: press for a definition of the function being displayed.
7		[Up]/[Down]/[Left]/[Right]: use the four arrow buttons to navigate between items in the menu.
8	OK	[OK]: used to access parameter groups or to accept a selection.
9	RESET	[RESET]: resets the frequency converter manually after a fault has been cleared.
10	AUTO ON	[AUTO ON]: puts the system in remote operational mode. • Responds to an external start command by control terminals or serial communication.
11	OFF	[OFF]: stops the motor but does not remove power to the frequency converter.
12	HAND ON	[HAND ON]: starts the frequency converter in local control. • An external stop signal by control input or serial communication overrides the local [Hand On] function.
13	[Alarm] Red	A fault condition causes the red alarm light to flash and an alarm text is displayed.
14	[Warn.] Yellow	When warning conditions are met, the yellow warning light comes on and text appears in the display area identifying the problem.
15	[On] Green	The On light activates when the frequency converter receives power from the mains voltage, a DC bus terminal or an external 24 V supply.
16		[Back]: reverts to the previous step or list in the menu structure.
17		[Favourites]: allows access to programming parameters for initial set-up instructions and many detailed application instructions.
18		[Status]: shows operational information.
19		Frequency
20		Motor current
21		Speed, RPM

Remote control

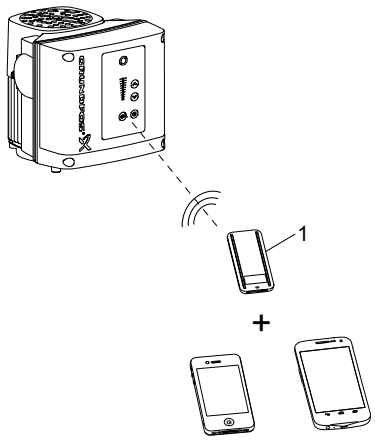
Grundfos GO

Grundfos GO, up to 15 hp medium speed and 10 hp low speed

The pump is designed for wireless radio or infrared communication with Grundfos GO.

Grundfos GO enables setting of functions and gives access to status overviews, technical product information and actual operating parameters.

Grundfos GO offers the following mobile interface, MI.



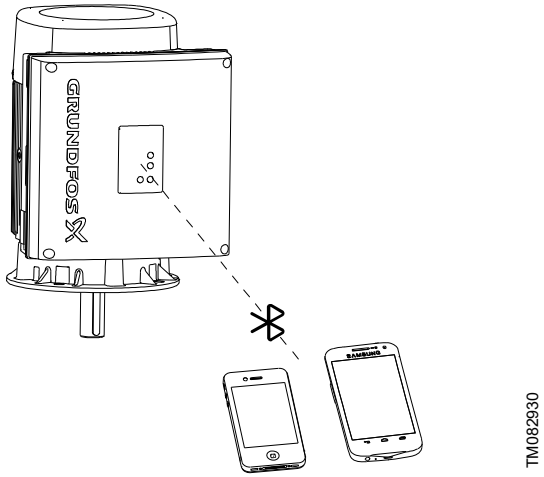
Grundfos GO communicating with the pump via radio or infrared connection, IR

Pos.	Description
1	Grundfos MI 301: Separate module enabling radio or infrared communication. You can use the module in conjunction with an Android or iOS-based smart device with Bluetooth connection.

Grundfos GO, from 20-30 hp medium speed and 15-30 hp low speed

The product is designed for wireless communication with Grundfos GO using Bluetooth (BLE).

Grundfos GO enables you to set functions and gives you access to status overviews, technical product information and current operating parameters.



Communication

When Grundfos GO initiates communication with the pump, the indicator light in the middle of Grundfos Eye flashes green. See section Priority of settings.

Furthermore, on pumps fitted with an advanced control panel a text appears in the display saying that a wireless device is trying to establish connection. Press **OK** on the pump in order to establish connection with Grundfos GO or press **Home** to reject connection.

Establish communication using one of these communication types:

- radio communication
- infrared communication
- Bluetooth communication

Communication with E-pumps

Communication with E-pumps is possible via a central building management system, remote control (Grundfos GO) or operating panel.

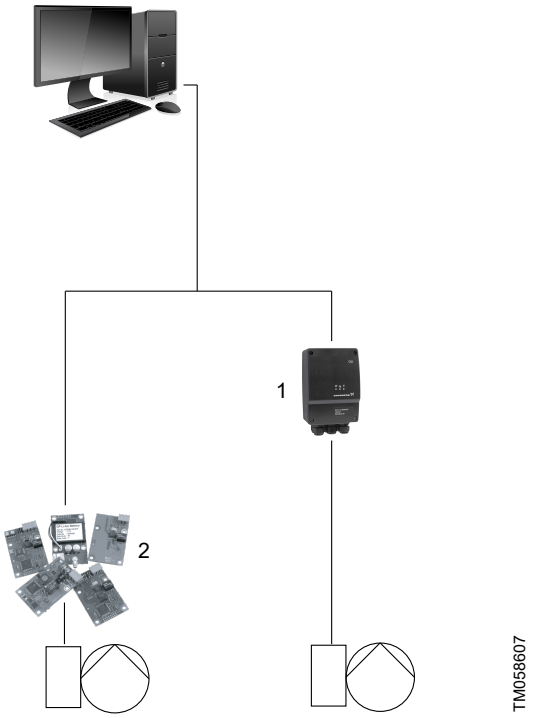
Central building management system

The operator can communicate with an E-pump at a distance by means of the CIU or CIM. Communication can take place via a central building management system allowing the operator to monitor and change control modes and setpoint settings.

The CIU unit can be used for all E-pumps and CIM module can only be used for pumps with MGE/MLE motors. Both can be ordered as accessory. For ordering details, see section CIU communication interface units and CIM communication interface modules.

Integrated communication modules

- E-pumps with CUE: Pumps with firmware version 1.4 or newer are integrated with BACnet MS/TP. Older firmware versions can be upgraded.
- E-pumps with MLE/MGE: Pumps rated at 20-30 hp (15 - 22 kW) medium speed or 15-30 hp (11 - 22 kW) low speed are integrated with Modbus RTU and Ethernet/IP.



Structure of a central building management system

Pos.	Description
1	CIU 100: LonWorks CIU 150: PROFIBUS DP CIU 200: Modbus RTU CIU 250: GSM CIU 270: GRM CIU 300: BACnet MS/TP CIU 500: Modbus TCP CIU 500: PROFINET IO
2	CIM 100: LonWorks CIM 150: PROFIBUS DP CIM 200: Modbus RTU CIM 260: 3G/4G cellular CIM 280: GRM GiC 3G/4G CIM 300: BACnet MS/TP CIM 500: PROFINET CIM 500: Modbus TCP CIM 500: BACnet IP CIM 500: EtherNet/IP CIM 500: GRM IP

10. Selection of product

Pump size

Select the pump size on the basis of these conditions:

- required flow rate and pressure at the draw-off point
- pressure loss as a result of height differences
- friction loss in the pipes. It may be necessary to account for pressure loss in connection with long pipes, bends or valves, etc.
- optimum efficiency at the estimated duty point.

Efficiency

If you expect the pump to always operate at the same duty point, select a pump which operates at a duty point corresponding to the optimum efficiency of the pump.

In case of controlled operation or varying consumption, select a pump whose optimum efficiency falls within the duty range covering the greater part of the duty time.

Material

Select the material variant on the basis of the liquid to be pumped. See section Pumped liquids.

Related information

11. Pumped liquids

11. Pumped liquids

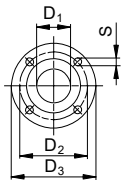
We recommend NBS pumps for thin, clean and non-explosive liquids not containing solid particles or fibres, such as water and water with glycol, pool water, sea water or brackish water.

Liquids with temperatures ranging from -13 to +284 °F (-25 to +140 °C) are covered in this data booklet.

12. Pump flange dimensions

Fixed pump flanges, ASME/ANSI B16.1

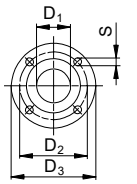
ASME/ANSI B16.1 is the standard used for cast iron pump flanges and flange fittings, classes 125 and 250.



		Class 125										
		Nominal diameter [inch]										
	D_1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12
	D_2	3 1/2	3 7/8	4 3/4	5 1/2	6	7 1/2	8 1/2	9 1/2	11 3/4	14 1/4	17
	D_3	4 5/8	5	6	7	7 1/2	9	10	11	13 1/2	16	19
	S	4 x ∅5/8	4 x ∅5/8	4 x ∅3/4	4 x ∅3/4	4 x ∅3/4	8 x ∅3/4	8 x ∅7/8	8 x ∅7/8	8 x ∅7/8	12 x ∅1	12 x ∅1
	Thickness	0.51	0.59	0.67	0.72	0.78	0.98	0.97	1.03	1.13	1.22	1.25

Loose pump flanges, ASME/ANSI B16.42

ASME/ANSI B16.42 is the standard used for ductile iron flanges and flanged fittings, classes 150 and 300.

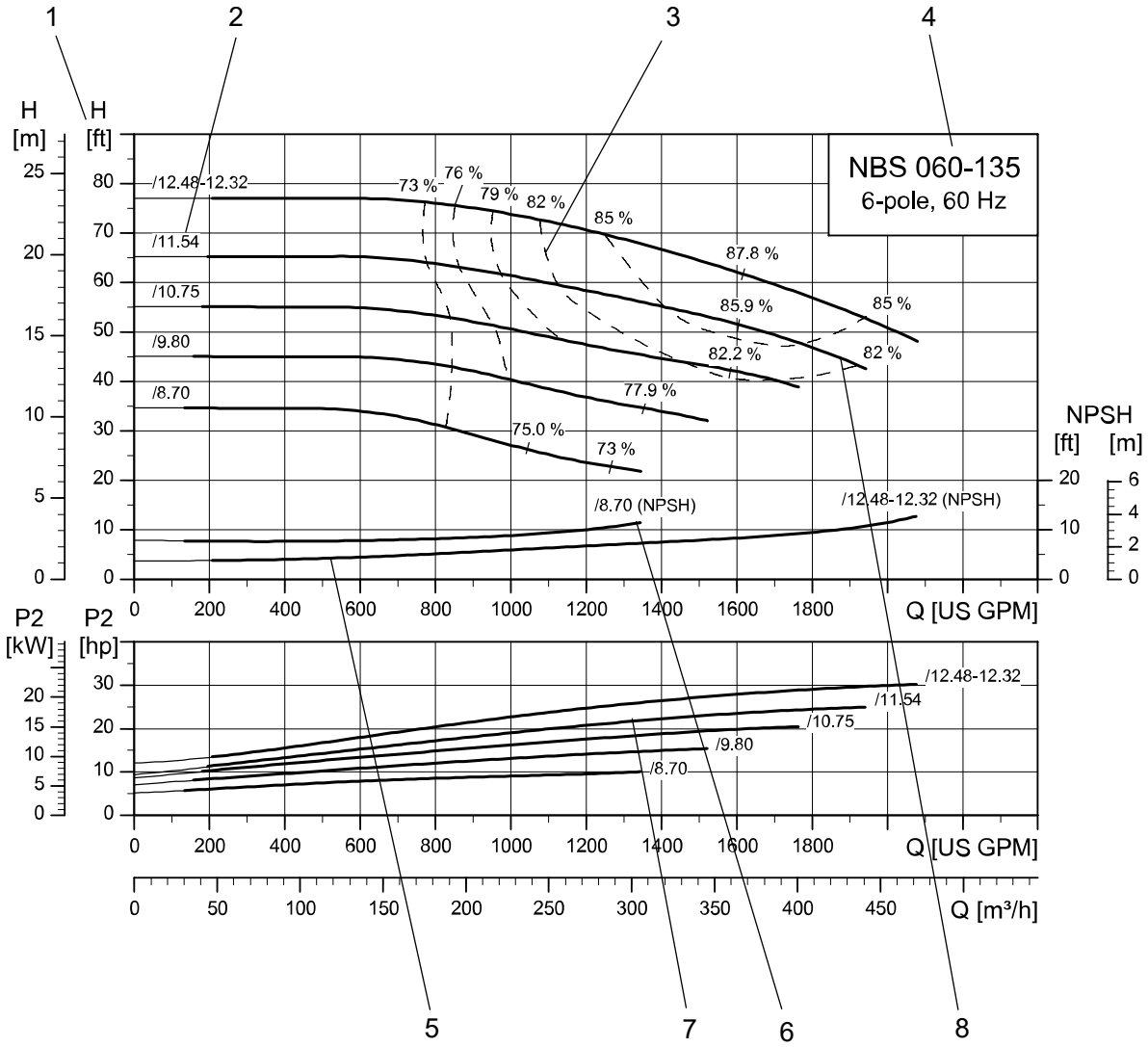


		Class 300								
		Nominal diameter [inch]								
	D_1	1 1/2	2	2 1/2	3	4	5	6	8	10	12
	D_2	4 1/2	5	5 7/8	6 5/8	7 7/8	9 1/4	10 5/8	13	15 1/4	17 3/4
	D_3	6 1/8	6 1/2	7 1/2	8 1/4	10	11	12 1/2	15	17 1/2	20 1/2
	S	4 x ∅7/8	8 x ∅3/4	8 x ∅7/8	8 x ∅7/8	8 x ∅7/8	8 x ∅7/8	12 x ∅7/8	12 x ∅1	16 x ∅1 1/8	16 x ∅1 1/4
	Reference thickness [28)]	0.71	0.81	0.94	0.98	0.98	1.02	1.10	1.34	1.57	1.81

28) The thickness of the loose flanges is not fully aligned with the standard.

13. Introduction to curves and technical data

How to read the curve charts



Pos.	Description
1	Total pump head, H [ft] or H [m] is equal to H_{total}
2	Impeller diameter [inch]
3	Hydraulic efficiency curves are shown as dashed lines, eta [%]
4	Pump size, pole number and frequency
5	The NPSH curve is shown for maximum impeller size.
6	The NPSH curve is shown for minimum impeller size.
7	The power curve indicates pump input power P2 [hp]
8	QH curve for the individual pump. The bold curve indicates the recommended performance range.

The shown pump performance curves in section Performance curves represent the pump in combination with a NEMA Premium Baldor motor or a NEMA Super Premium MLE motor.

Related information

NBSE pumps with speed-controlled motor

Curve conditions

The guidelines below apply to the curves shown in the performance charts shown in section Performance curves.

- Tolerances are according to HI 14.6:2016.
- The curves show pump performance with different impeller diameters at the nominal speed.
- The bold part of the curves shows the recommended operating range.
- We do not recommend the thin parts as the possible operating range here might suggest the selection of a smaller or larger pump size.
- Do not use the pumps at minimum flow rates below 0.1 x Q_{max} because of the danger of overheating the pump.
- The curves apply to the pumping of water at a temperature of 68 °F (20 °C) and a kinematic viscosity of 1 mm^2/s (1 cSt).
- Eta: The dashed lines show values of the hydraulic efficiency of the pump.
- NPSH: The curves show maximum values measured under the same conditions as the performance curves.
- In case of a specific gravity other than that of water at 68 °F (0.036 lb/in^3), the outlet pressure is proportional to the specific gravity.
- When pumping liquids with a specific gravity higher than 1000 kg/m^3 (0.036 lb/in^3), motors with correspondingly higher outputs must be used.

Calculation of total head

The total pump head consists of the height difference between the measuring points + the differential head + the dynamic head.

$H_{total} = H_{geo} + H_{stat} + H_{dyn}$

H_{geo}	Height difference between measuring points.
H_{stat}	Differential head between the inlet and outlet sides of the pump.
H_{dyn}	Calculated values based on the velocity of the pumped liquid on the inlet and outlet sides of the pump.

Related information

NBSE pumps with speed-controlled motor

Pump performance testing

NBS testers are all capable of performing hydraulic performance tests according to HI 14.6:2016 requirements.

The standard HI 14.6:2016 sets standards for "rotodynamic pumps, Hydraulic performance acceptance tests, Grades 1, 2 and 3".

Performance acceptance grades

Six pump-performance-test acceptance grades, 3B, 2B, 2U, 1B, 1E and 1U are defined in HI 14.6:2016.

Acceptance grade	Mandatory measurements		Optional measurements	
	Q	H	P1	Eta-tot
3B	± 9 %	± 7 %	+ 9 %	- 7 %
2B	± 8 %	± 5 %	+ 8 %	- 5 %
2U	+ 16 %	+ 10 %	+ 16 %	
1B	± 5 %	± 3 %	+ 4 %	- 3 %
1E	± 5 %	± 3 %	+ 4 %	≥ 0 %
1U	+ 10 %	+ 6 %	+ 10 %	

Q:	Flow
H:	Head
P1:	Total consumed power
Eta-tot:	Total efficiency

These tolerance grades can be used in the contract between the pump manufacturer and the purchaser, or they can be used in a default tolerance factor which will apply if no specific tolerance grade has been agreed between the manufacturer and the customer.

The performance acceptance grades are explained in section Specifying acceptance grades and Acceptance grades and tolerances, showing the performance grades related to an ordinary pump curve.

Related information

Specifying acceptance grades

Acceptance grades and tolerances

The guarantee points

According to HI 14.6:2016 the acceptance-grade tolerance applies to one guarantee point.

A guarantee point is defined by a guaranteed flow and a guaranteed head.

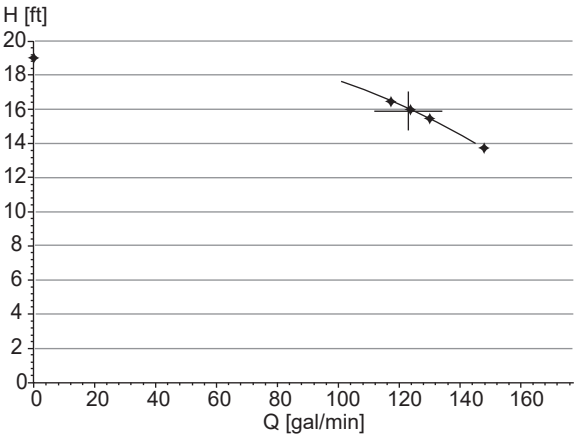
In addition, either minimum total efficiency or maximum total input power may be guaranteed at the specified conditions.

This means that the standard sets guidelines for a duty point guaranteed for the following:

- Q and H - or
- Q, H and total efficiency (Eta-total) - or
- Q, H and total consumed power (P1).

The guarantee point is defined by a minimum of five measured test points.

Example on a duty point test living up to HI 14.6:2016 requirements

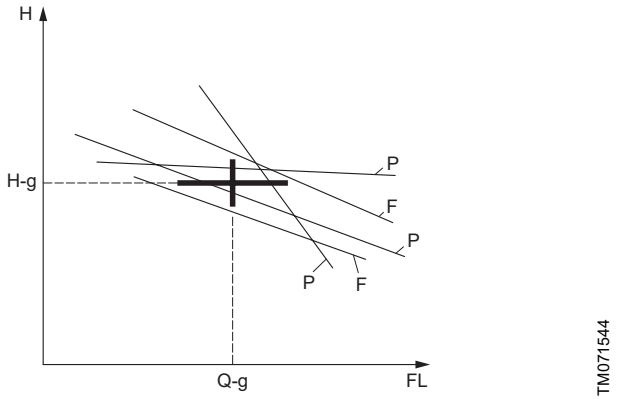


Five measured test points are used to verify one guarantee point

Evaluation of performance

The test must show that the measured pump curve touches or passes through a tolerance surrounding the guarantee point, as defined by the selected acceptance grade.

Guarantee-point evaluation must be made at the rated speed, which for NBS pumps means 60 Hz.



Pump curves that either pass or fail to cross the tolerance cross of the guarantee point

Pos.	Description
Q-g	Q-guaranteed
H-g	H-guaranteed
P	Pass
F	Fail
H	Head
FL	Flow

Performance-test types

A duty point test can be made for NBS pumps.

Tests carried out on pumps

- Tests are saved for at least five years and can be traced using the pump's unique serial number.
- It is not possible to change acceptance grade on an already tested and supplied pump - if this should be required a re-test of the pump is needed.
- Witness testing can be arranged.

Duty-point-verification test, Grades 2B, 3B, 2U, 1B, 1E and 1U

This test method offers the possibility to perform a duty-point verification of the following:

- Q and H - or
- Q, H and total efficiency (Eta-tot) - or
- Q, H and total consumed power (P1).

Acceptance grade	Mandatory measurements		Optional measurements	
	Q	H	P1	Eta-tot
2B	Standard		Refer to factory	
3B	Refer to factory		Refer to factory	
2U				
1B	Refer to factory		Refer to factory	
1E				
1U				

What Grundfos is able to guarantee for the different acceptance grades will be evaluated case by case. Contact your local sales company on this.

Grundfos makes duty-point verification according to HI 14.6:2016 for one guarantee point at full speed, 60 Hz. The customer must tell Grundfos which duty point to verify. If no duty point is specified by the customer, the performance is validated in BEP (best efficiency point).

The requested duty point is verified by five measured points. If more points are to be tested in addition to the five test points to verify duty point, this must be stated in the order.

A maximum of 9 evenly distributed test points are available.

Grade 2B duty-point verification

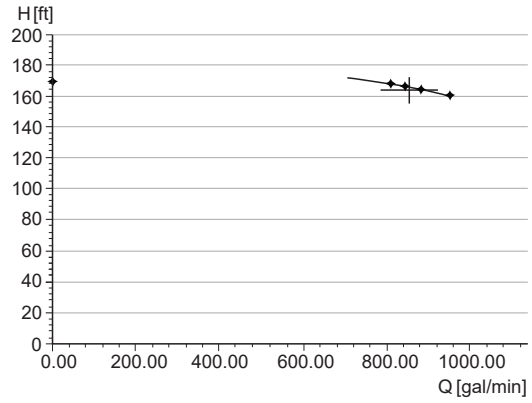
The following example illustrates performance testing according to Grade 2B.

Flow and head are mandatory and efficiency or power consumption, P1, is optional.

Tolerances for a Grade 2B test are as follows:

- Flow: ± 8 %
- Head: ± 5 %
- Efficiency: - 5 %, only equal to or better than the guaranteed value
- P1: + 8 %

Q and H are tested and verified



TM078005

Measured values for flow and head

Grade 1B duty-point verification

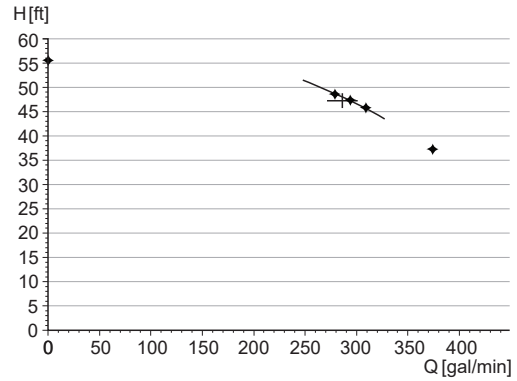
The following example illustrates performance testing according to Grade 1B.

Flow and head are mandatory and efficiency or power consumption, P1, is optional.

Tolerances for a Grade 1B test are as follows:

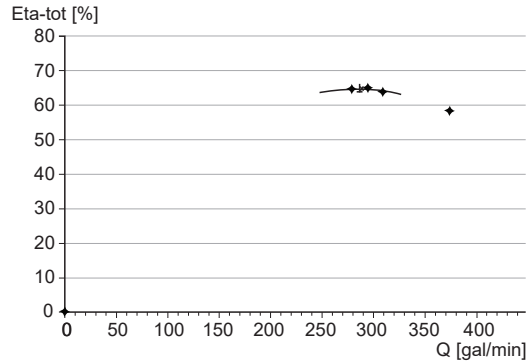
- Flow: ± 5 %
- Head: ± 3 %
- Efficiency: - 3 %, only equal to or better than the guaranteed value
- P1: + 4 %

Q, H and Eta-tot are tested and verified



TM078003

Measured values for flow and head



TM078004

Measured values for total efficiency

Grade 1U duty-point verification

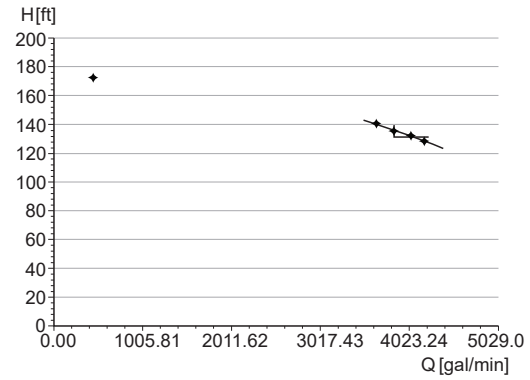
The following example illustrates performance testing according to Grade 1U.

Flow and head are mandatory and efficiency or power consumption, P1, is optional.

Tolerances for a Grade 1U test are as follows:

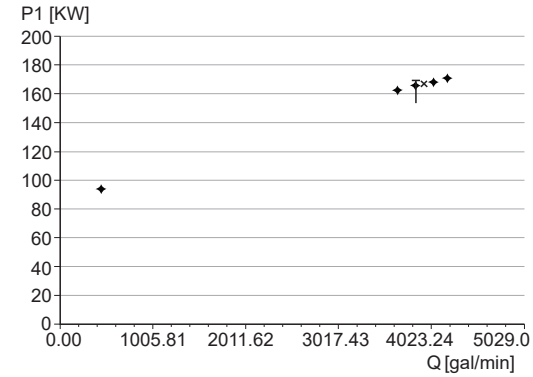
- Flow: + 10 %
- Head: + 6 %
- Efficiency: 0 %, only equal to or better than the guaranteed value
- P1: + 10 %

Q, H and P1 are tested and verified



TM078061

Measured values for flow and head



TM078062

Measured values for consumed power

Static high pressure test

All produced pumps undergo a static high pressure test of 1.5 x PN (pressure rating of the pump).

Specifying acceptance grades

The graphs in section Acceptance grades and tolerances show the tolerances as stated in the standard, related to an ordinary pump curve. The graphs also show which pump performance to expect if the customer, having the same pump to start with, orders a pump with the same guarantee point for different tolerances (B, E or U) within the acceptance grades.

In some cases it will not be possible to fulfil the same guarantee point for a unilateral tolerance as it will for a bilateral tolerance. This is indicated by the lowered curve for "E" and "U" grades.

If the requested guarantee point is the same for a Grade U pump as for a Grade B pump, the consequence of the production tolerances could result in a larger pump being required to obtain the requested duty point.

What Grundfos is able to guarantee for the different acceptance grades will be evaluated case by case. Contact your local sales company on this.

Related information

Acceptance grades and tolerances

Acceptance grades and tolerances

Acceptance grade B

This acceptance grade refers to grades with a bilateral tolerance on flow and head and with a tolerance on efficiency.

Acceptance grade E

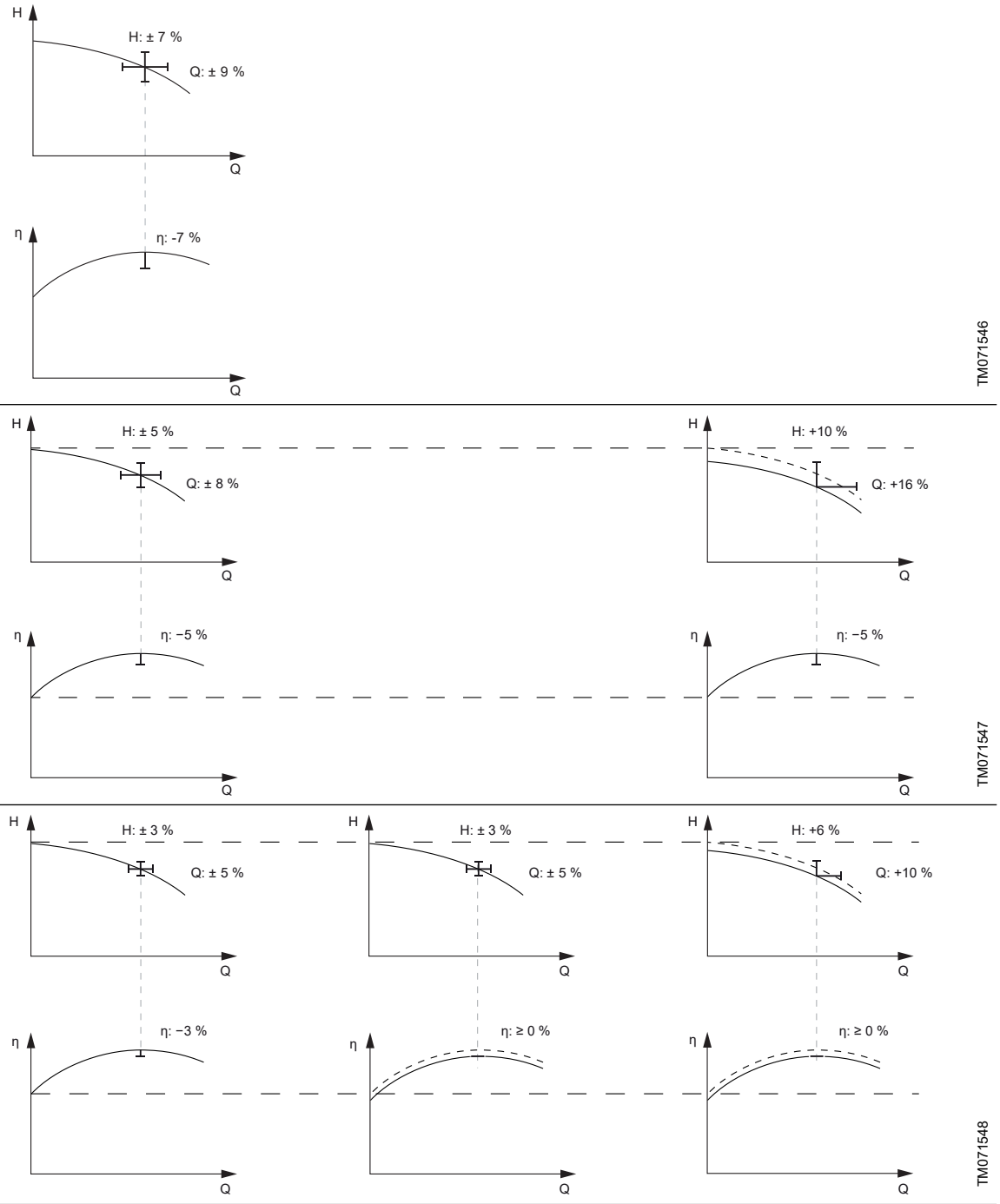
This acceptance grade refers to a grade with a bilateral tolerance on flow and head but without tolerance on efficiency.

Acceptance grade U

This acceptance grade refers to a grade with a unilateral tolerance on flow and head. For the 2U grade there is a tolerance on efficiency. For the 1U grade there is no tolerance on efficiency.

Note that if the acceptance grade changes from Grade 1B to 1U, the customer does not necessarily get a better pump with a higher efficiency. More likely, he gets a pump where the performance is always to the positive side of the guarantee point.

	Acceptance grade		
	B	E	U
Grade 3	H: ± 7 % Q: ± 9 % η: -7 %		
Grade 2	H: ± 5 % Q: ± 8 % η: −5 %		H: +10 % Q: +16 % η: −5 %
Grade 1	H: ± 3 % Q: ± 5 % η: −3 %	H: ± 3 % Q: ± 5 % η: ≥ 0 %	H: +6 % Q: +10 % η: ≥ 0 %



TM071546

TM071547

TM071548

14. Performance curves

Overview

NBSE pumps with speed-controlled motor

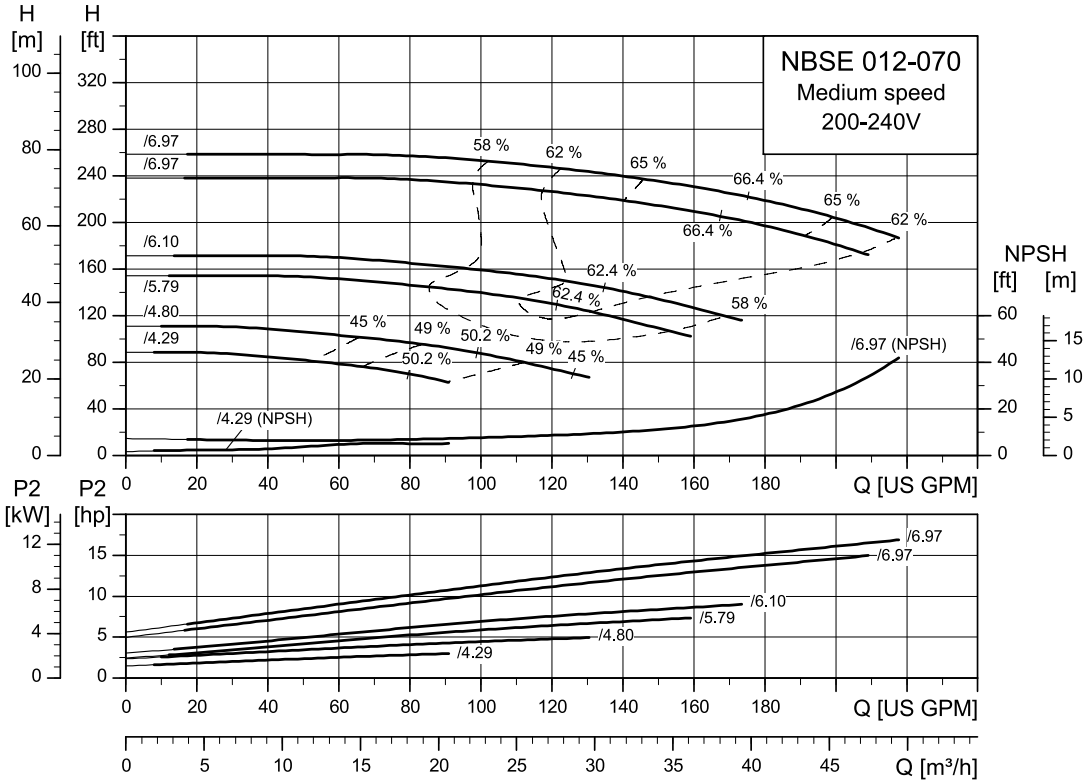
Pump size	Medium speed, 4000 RPM, CUE 200-240V	Low speed, 2000/2200 RPM, CUE 200-240V	Medium speed, 4000 RPM, MLE 200-240V, MLE & CUE 460V	Low speed 2000/2200 RPM, MLE & CUE 460V	Medium speed, 4000 RPM, CUE 575V	Low speed, 2000/2200 RPM, CUE 575V
NBSE 012-070	See *NBSE 012-070*	See *NBSE 012-070*	See *NBSE 012-070*	See *NBSE 012-070*	See *NBSE 012-070*	See *NBSE 012-070*
NBSE 015-070	See *NBSE 015-070*	See *NBSE 015-070*	See *NBSE 015-070*	See *NBSE 015-070*	See *NBSE 015-070*	See *NBSE 015-070*
NBSE 015-090	See *NBSE 015-090*	See *NBSE 015-090*	See *NBSE 015-090*	See *NBSE 015-090*	See *NBSE 015-090*	See *NBSE 015-090*
NBSE 015-095	See *NBSE 015-095*	See *NBSE 015-095*	See *NBSE 015-095*	See *NBSE 015-095*	See *NBSE 015-095*	See *NBSE 015-095*
NBSE 020-095	See *NBSE 020-095*	See *NBSE 020-095*	See *NBSE 020-095*	See *NBSE 020-095*	See *NBSE 020-095*	See *NBSE 020-095*
NBSE 020-110	-	See *NBSE 020-110*	-	See *NBSE 020-110*	-	See *NBSE 020-110*
NBSE 020-135	-	See *NBSE 020-135*	-	See *NBSE 020-135*	-	See *NBSE 020-135*
NBSE 025-070	See *NBSE 025-070*	See *NBSE 025-070*	See *NBSE 025-070*	See *NBSE 025-070*	See *NBSE 025-070*	See *NBSE 025-070*
NBSE 025-095	See *NBSE 025-095*	See *NBSE 025-095*	See *NBSE 025-095*	See *NBSE 025-095*	See *NBSE 025-095*	See *NBSE 025-095*
NBSE 025-110	-	See *NBSE 025-110*	-	See *NBSE 025-110*	-	See *NBSE 025-110*
NBSE 030-070	See *NBSE 030-070*	See *NBSE 030-070*	See *NBSE 030-070*	See *NBSE 030-070*	See *NBSE 030-070*	See *NBSE 030-070*
NBSE 030-095	See *NBSE 030-095*	See *NBSE 030-095*	See *NBSE 030-095*	See *NBSE 030-095*	See *NBSE 030-095*	See *NBSE 030-095*
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NBSE 040-070	See *NBSE 040-070*	See *NBSE 040-070*	See *NBSE 040-070*	See *NBSE 040-070*	See *NBSE 040-070*	See *NBSE 040-070*
NBSE 040-095	-	See *NBSE 040-095*	See *NBSE 040-095*	See *NBSE 040-095*	See *NBSE 040-095*	See *NBSE 040-095*
NBSE 040-110	-	See *NBSE 040-110*	-	See *NBSE 040-110*	-	See *NBSE 040-110*
NBSE 040-135	-	See *NBSE 040-135*	-	See *NBSE 040-135*	-	See *NBSE 040-135*
NBSE 040-150	-	See *NBSE 040-150*	-	See *NBSE 040-150*	-	See *NBSE 040-150*
NBSE 050-070	See *NBSE 050-070*	See *NBSE 050-070*	See *NBSE 050-070*	See *NBSE 050-070*	See *NBSE 050-070*	See *NBSE 050-070*
NBSE 050-095	-	See *NBSE 050-095*	-	See *NBSE 050-095*	-	See *NBSE 050-095*
NBSE 050-110	-	See *NBSE 050-110*	-	See *NBSE 050-110*	-	See *NBSE 050-110*
NBSE 050-135	-	See *NBSE 050-135*	-	See *NBSE 050-135*	-	See *NBSE 050-135*
NBSE 060-095	-	See *NBSE 060-095*	-	See *NBSE 060-095*	-	See *NBSE 060-095*
NBSE 060-110	-	See *NBSE 060-110*	-	See *NBSE 060-110*	-	See *NBSE 060-110*
NBSE 080-135	-	See *NBSE 080-135*	-	See *NBSE 080-135*	-	See *NBSE 080-135*

NBS pumps with fixed-speed motors 200V and 230/460V

Pump size	2-pole	4-pole	6-pole
NBS 012-070	See *NBS 012-070*	See *NBS 012-070*	-
NBS 015-070	See *NBS 015-070*	See *NBS 015-070*	-
NBS 015-090	See *NBS 015-090*	See *NBS 015-090*	-
NBS 015-095	See *NBS 015-095*	See *NBS 015-095*	-
NBS 020-095	See *NBS 020-095*	See *NBS 020-095*	-
NBS 020-110	-	See *NBS 020-110*	-
NBS 020-135	-	See *NBS 020-135*	-
NBS 025-070	See *NBS 025-070*	See *NBS 025-070*	-
NBS 025-095	See *NBS 025-095*	See *NBS 025-095*	See *NBS 025-095*
NBS 025-110	-	See *NBS 025-110*	See *NBS 025-095*
NBS 030-070	See *NBS 030-070*	See *NBS 030-070*	-
NBS 030-095	See *NBS 030-095*	See *NBS 030-095*	See *NBS 030-095*
NBS 030-110	-	See *NBS 030-110*	See *NBS 030-110*
NBS 030-135	-	See *NBS 030-135*	See *NBS 030-135*
NBS 040-070	See *NBS 040-070*	See *NBS 040-070*	See *NBS 040-070*
NBS 040-095	See *NBS 040-095*	See *NBS 040-095*	See *NBS 040-095*
NBS 040-110	-	See *NBS 040-110*	See *NBS 040-110*
NBS 040-135	-	See *NBS 040-135*	See *NBS 040-135*
NBS 040-150	-	See *NBS 040-150*	See *NBS 040-150*
NBS 050-070	See *NBS 050-070*	See *NBS 050-070*	See *NBS 050-070*
NBS 050-095	-	See *NBS 050-095*	See *NBS 050-095*
NBS 050-110	-	See *NBS 050-110*	See *NBS 050-110*
NBS 050-135	-	See *NBS 050-135*	See *NBS 050-135*
NBS 050-150	-	See *NBS 050-150*	See *NBS 050-150*
NBS 060-095	-	See *NBS 060-095*	See *NBS 060-095*
NBS 060-110	-	See *NBS 060-110*	See *NBS 060-110*
NBS 060-135	-	See *NBS 060-135*	See *NBS 060-135*
NBS 060-150	-	See *NBS 060-150*	See *NBS 060-150*
NBS 080-135	-	See *NBS 080-135*	See *NBS 080-135*
NBS 080-150	-	See *NBS 080-150*	See *NBS 080-150*
NBS 100-150	-	See *NBS 100-150*	See *NBS 100-150*

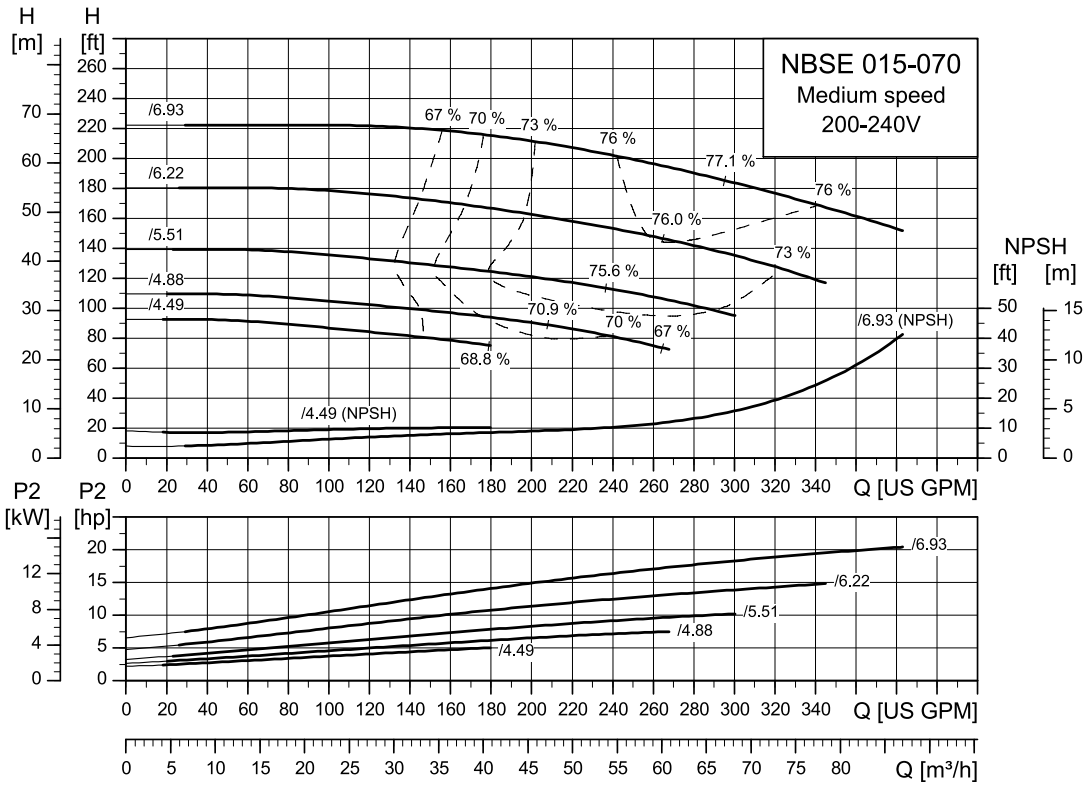
Medium speed, 4000 RPM, CUE 200-240V

NBSE 012-070



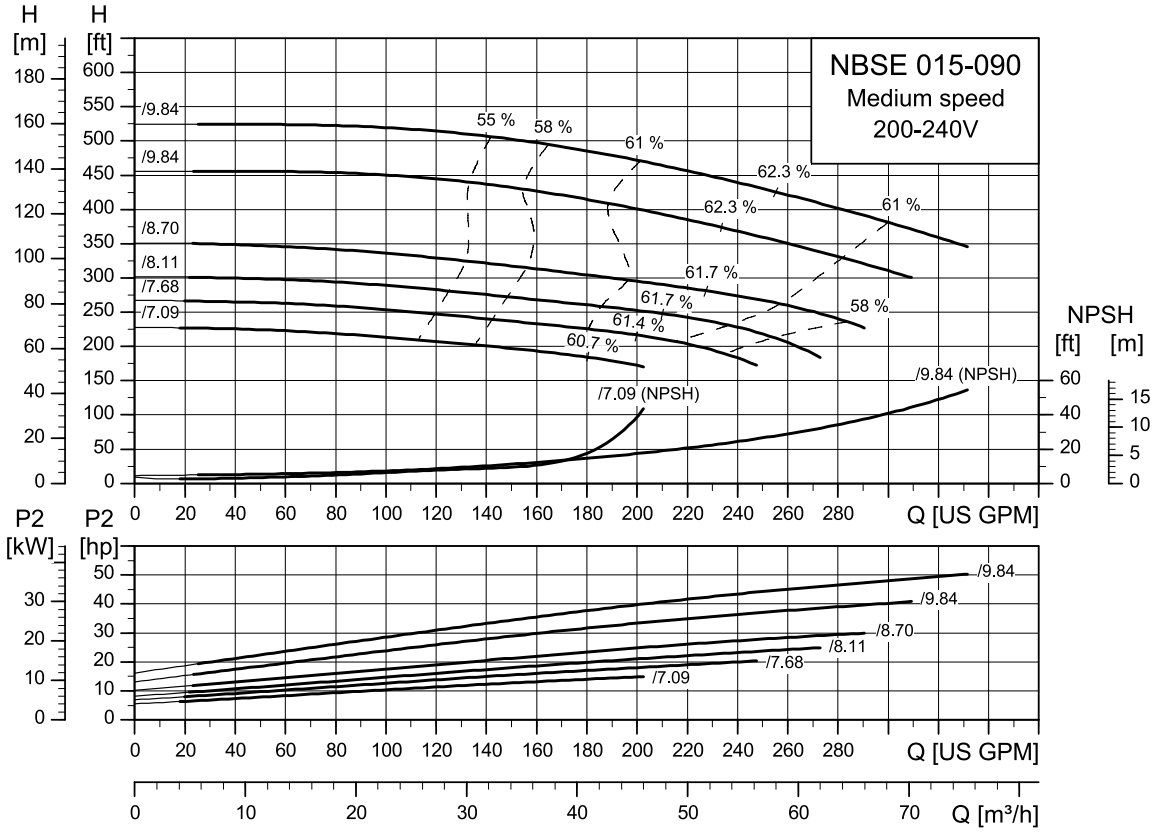
TM089320

NBSE 015-070



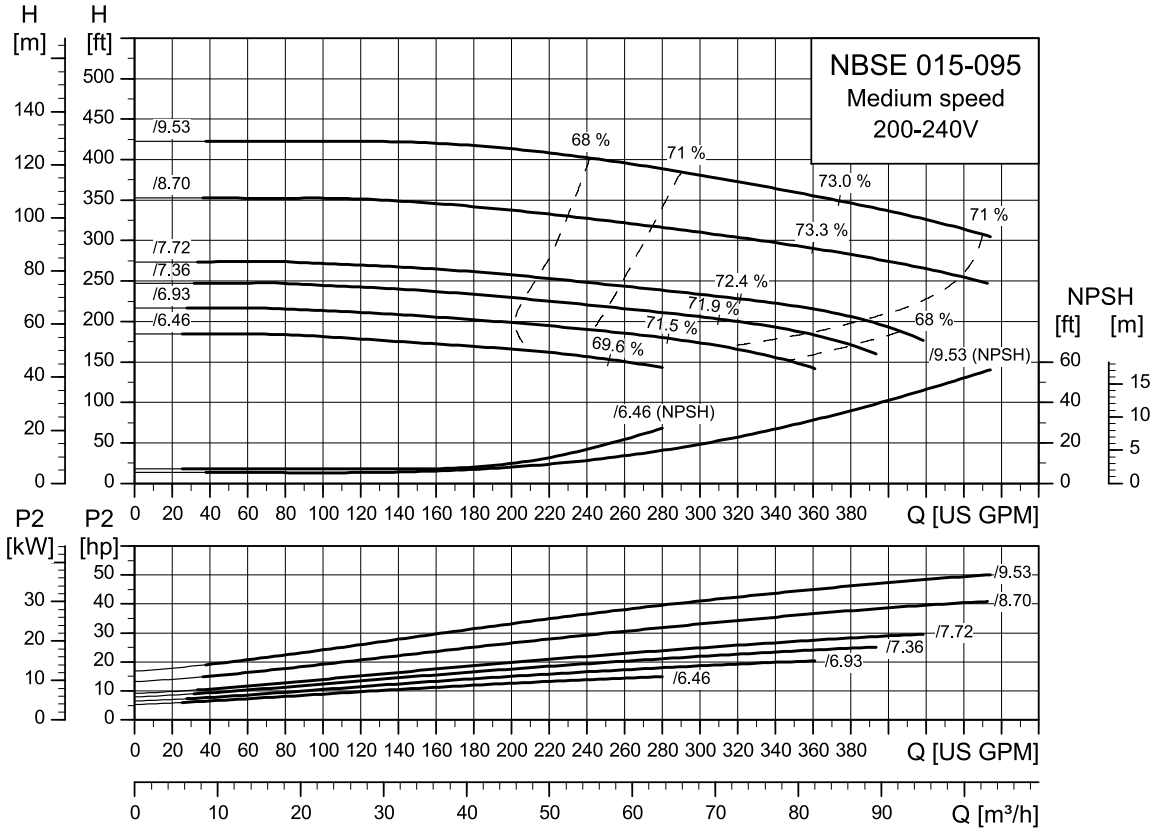
TM089321

NBSE 015-090



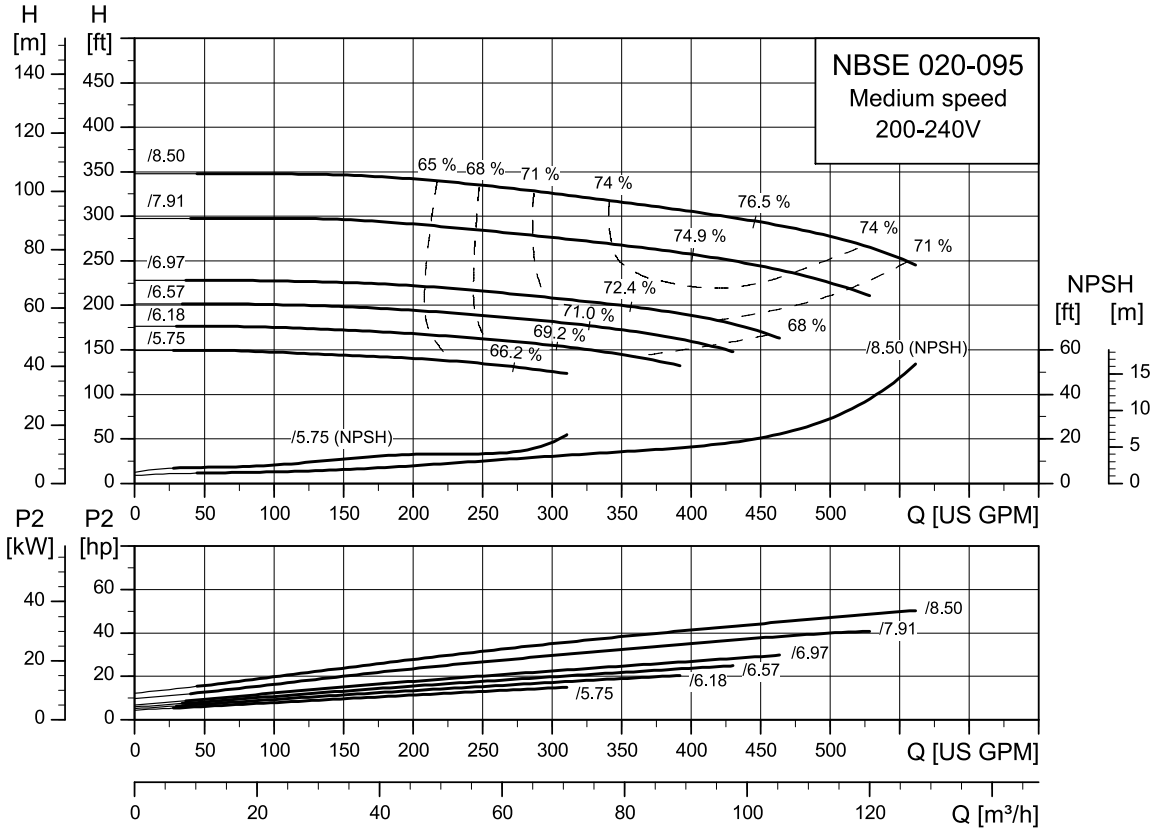
TM089322

NBSE 015-095



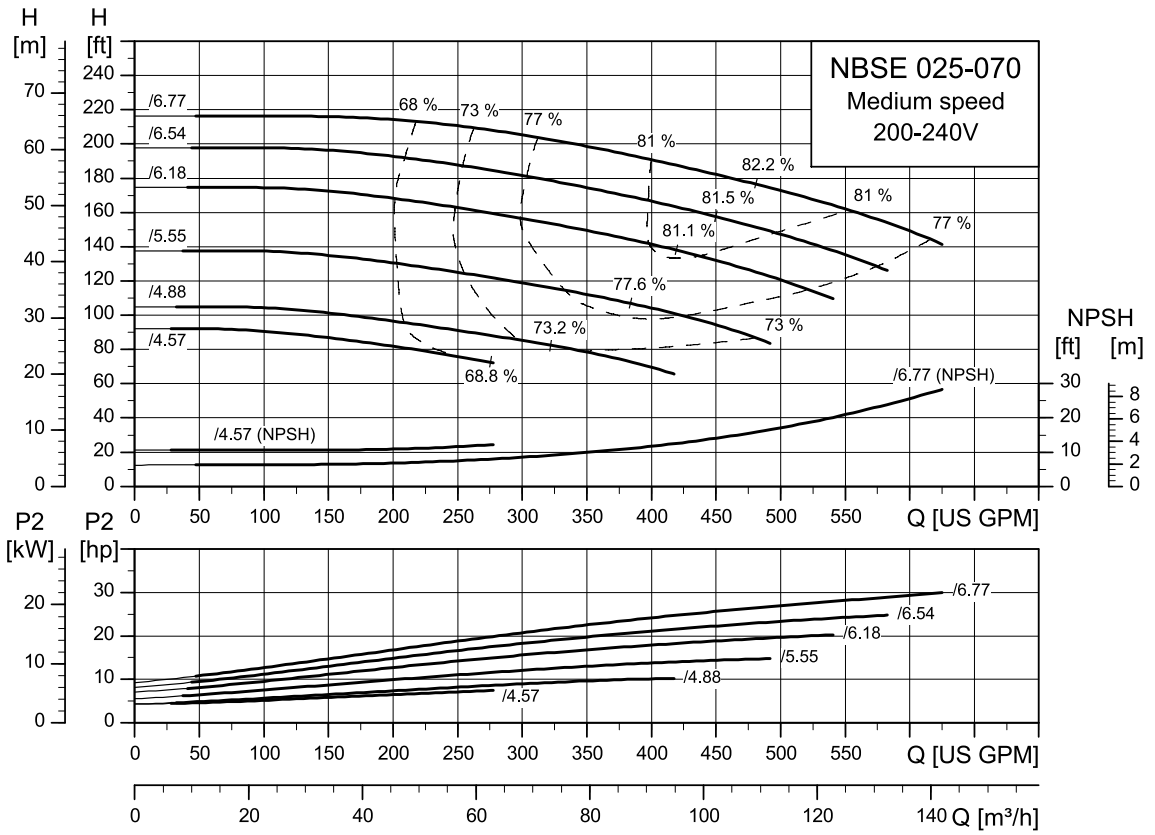
TM089323

NBSE 020-095



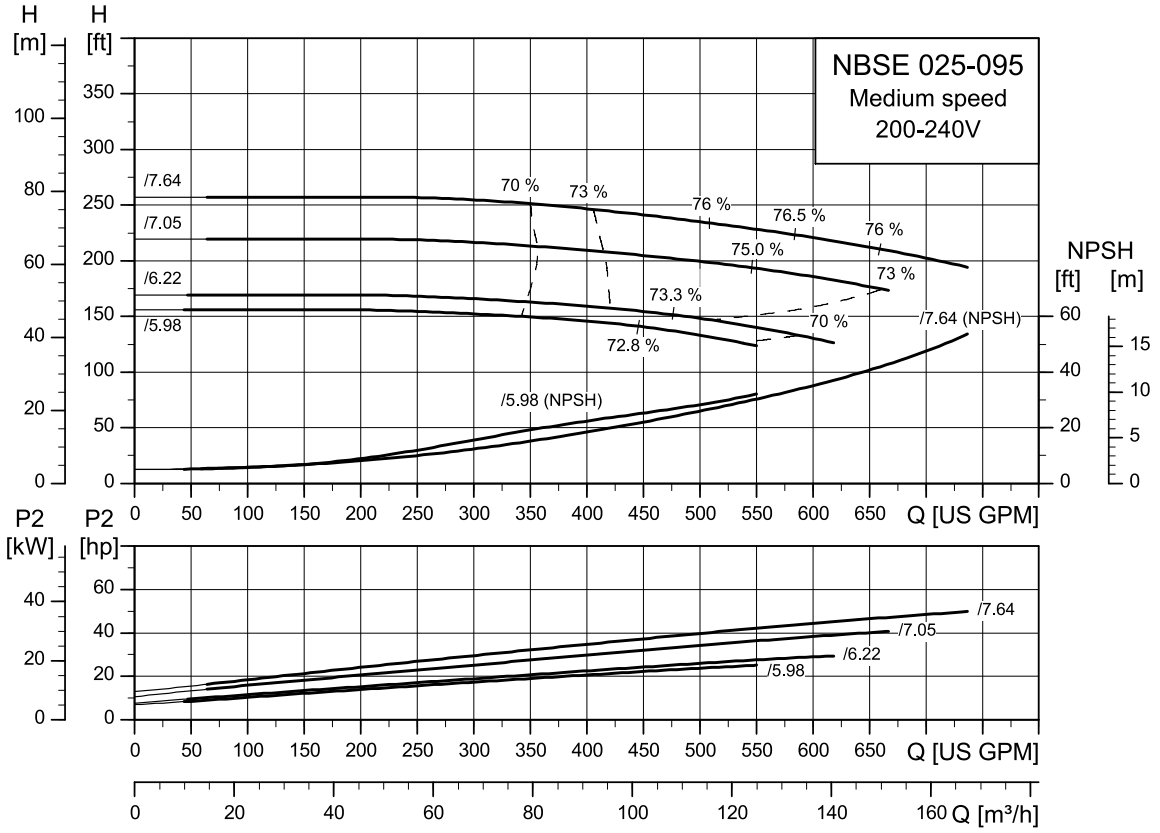
TM089324

NBSE 025-070



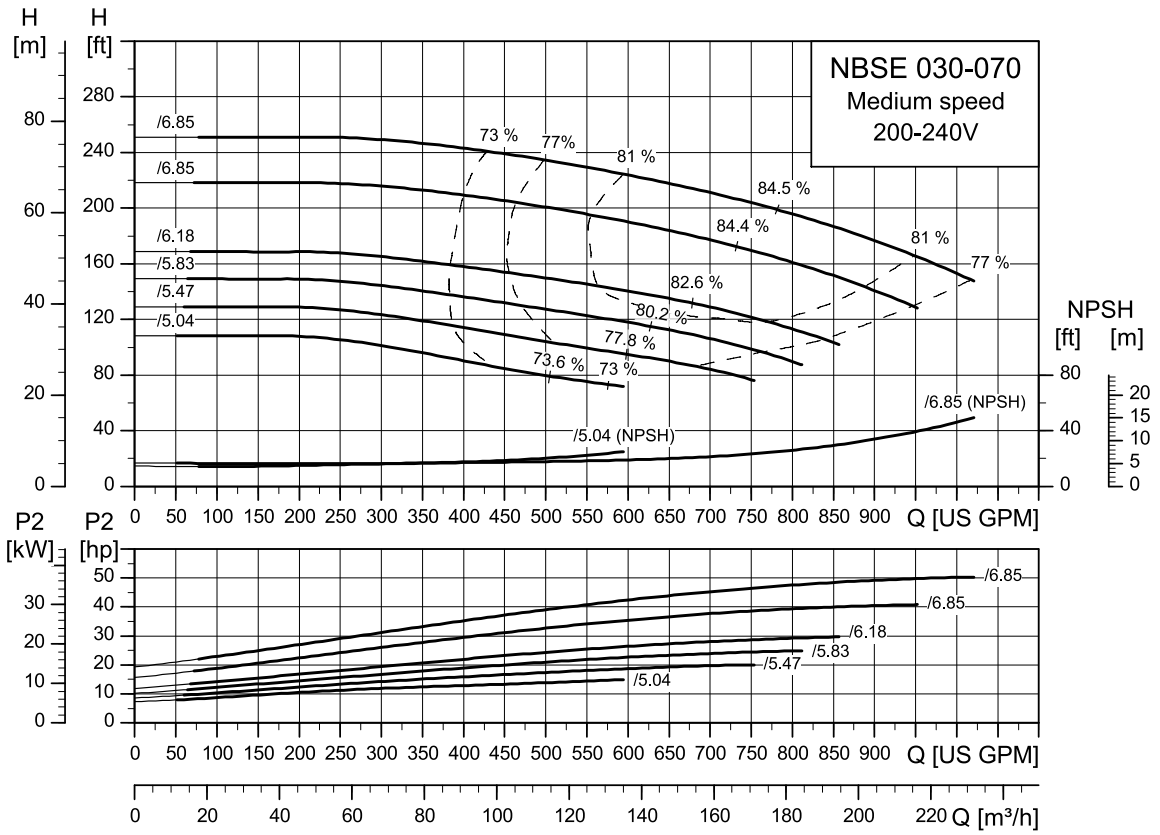
TM089325

NBSE 025-095



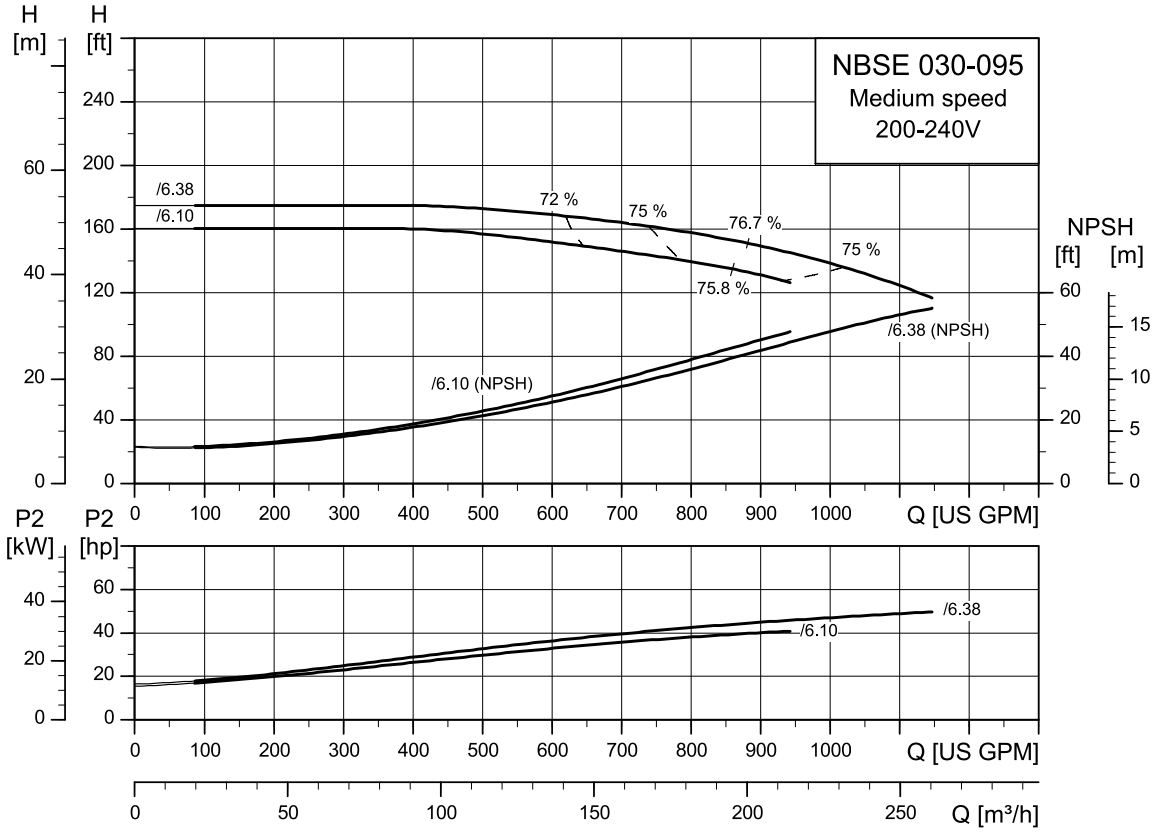
TM089358

NBSE 030-070



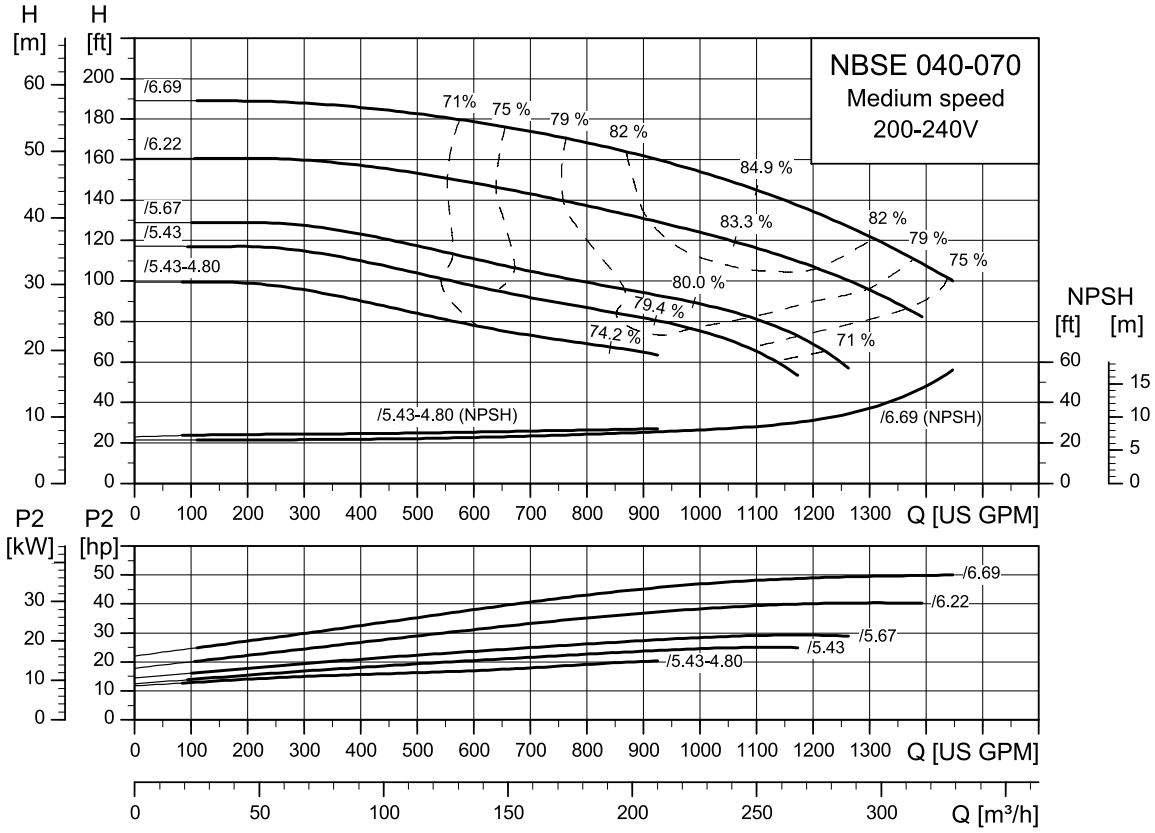
TM089326

NBSE 030-095



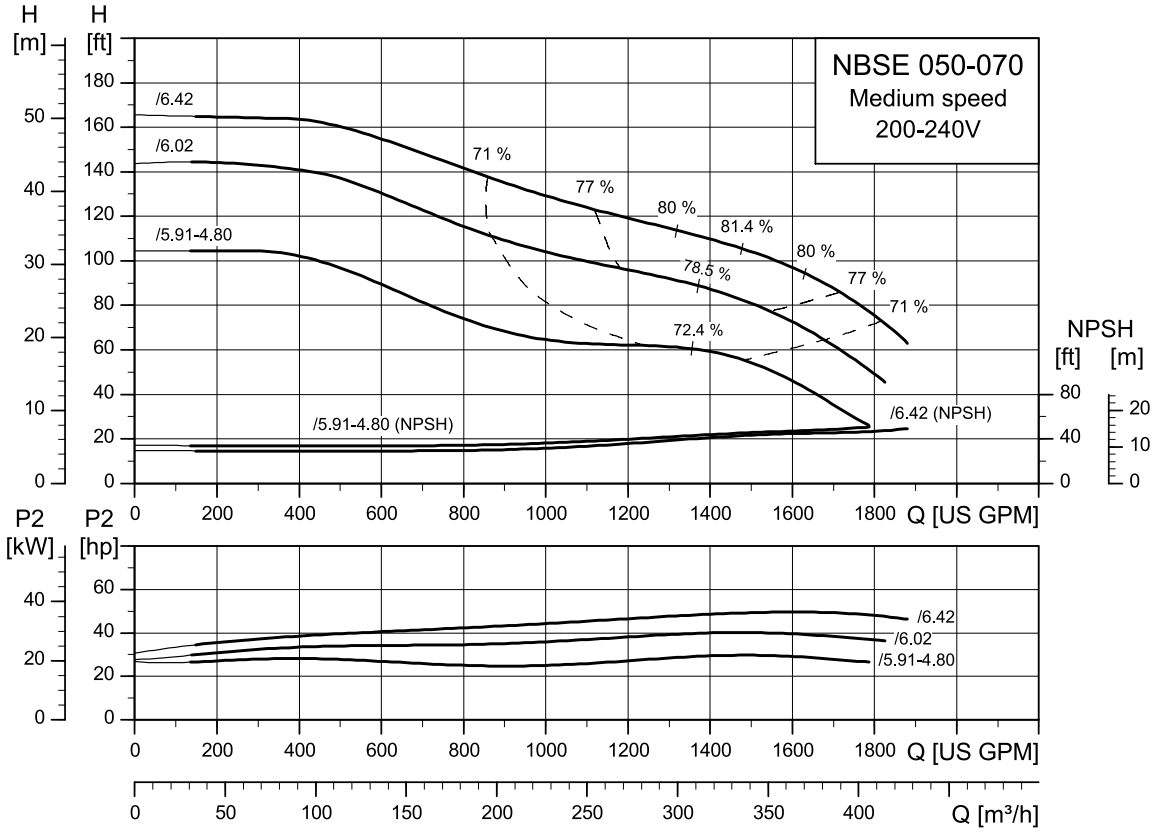
TM089330

NBSE 040-070



TM089327

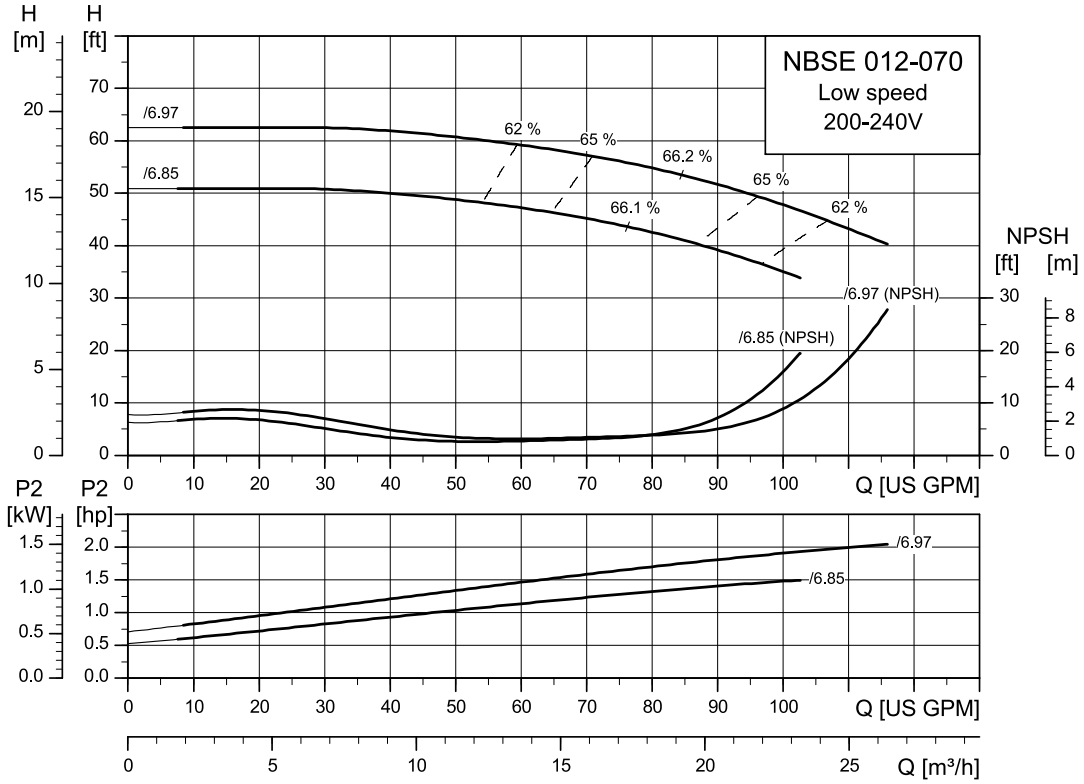
NBSE 050-070



TM089328

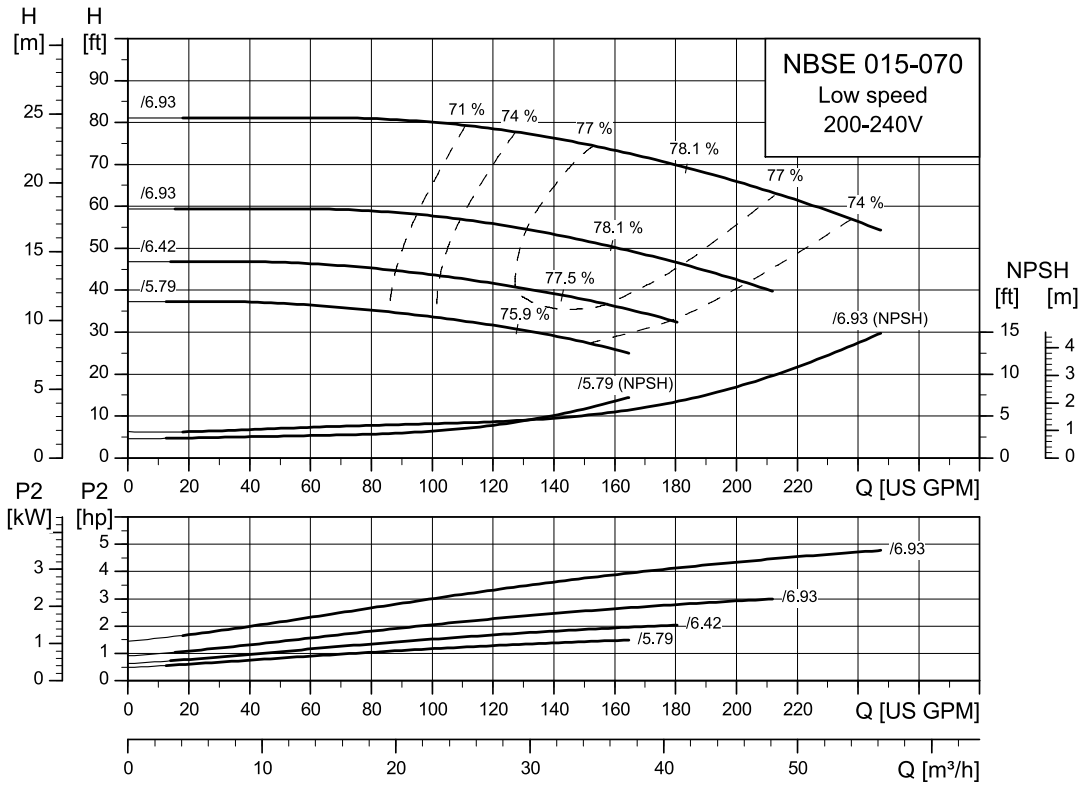
Low speed, 2000/2200 RPM, CUE 200-240V

NBSE 012-070



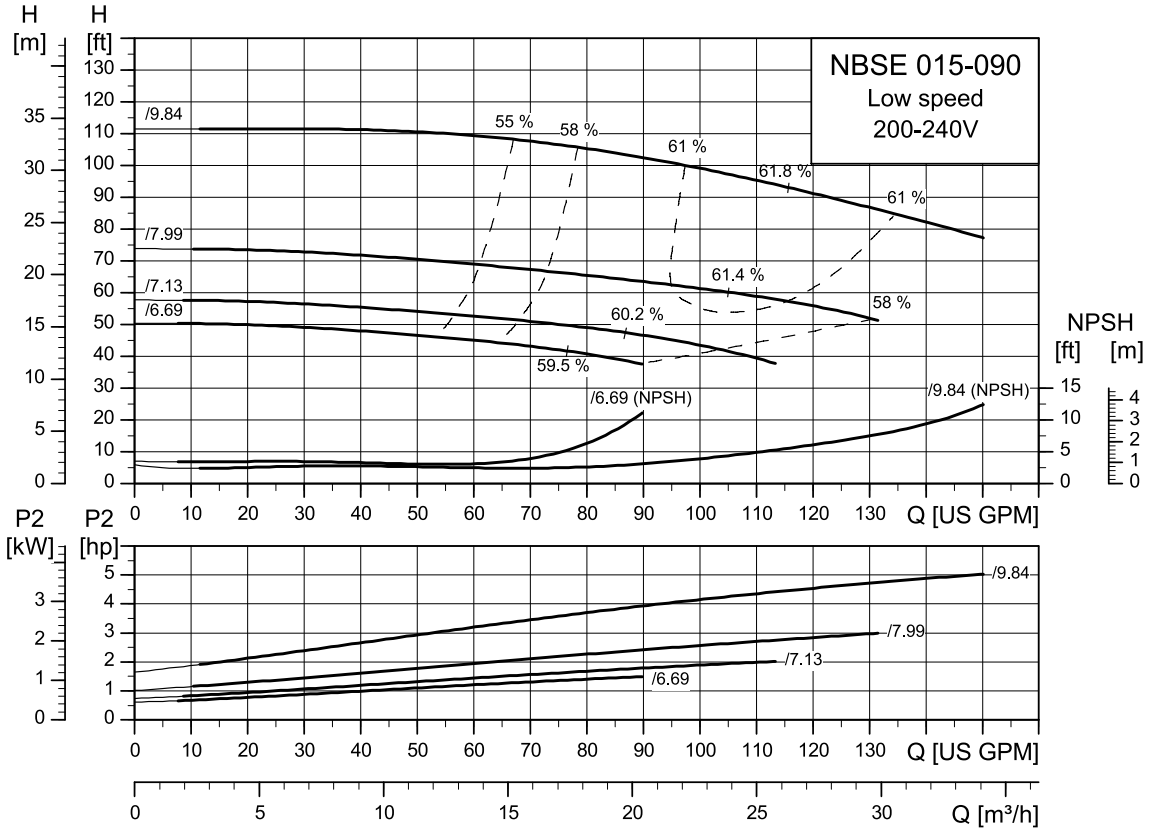
TM089332

NBSE 015-070



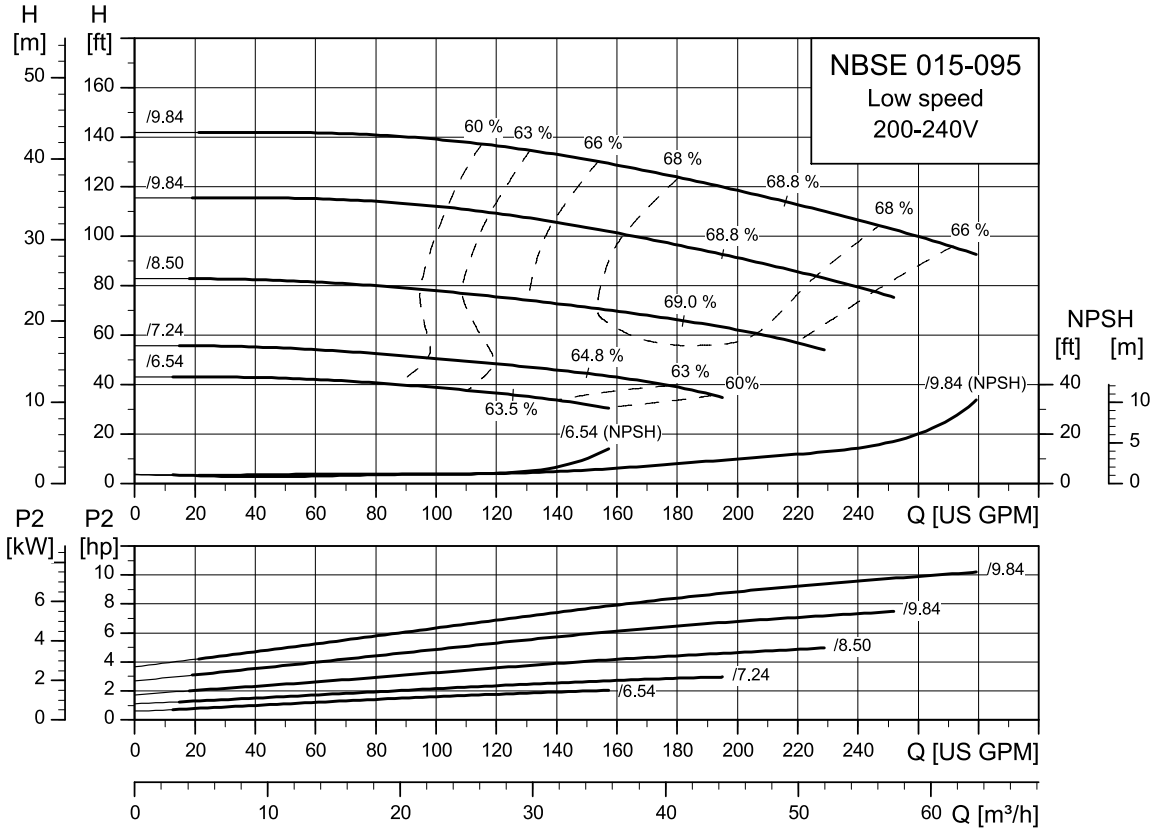
TM089333

NBSE 015-090



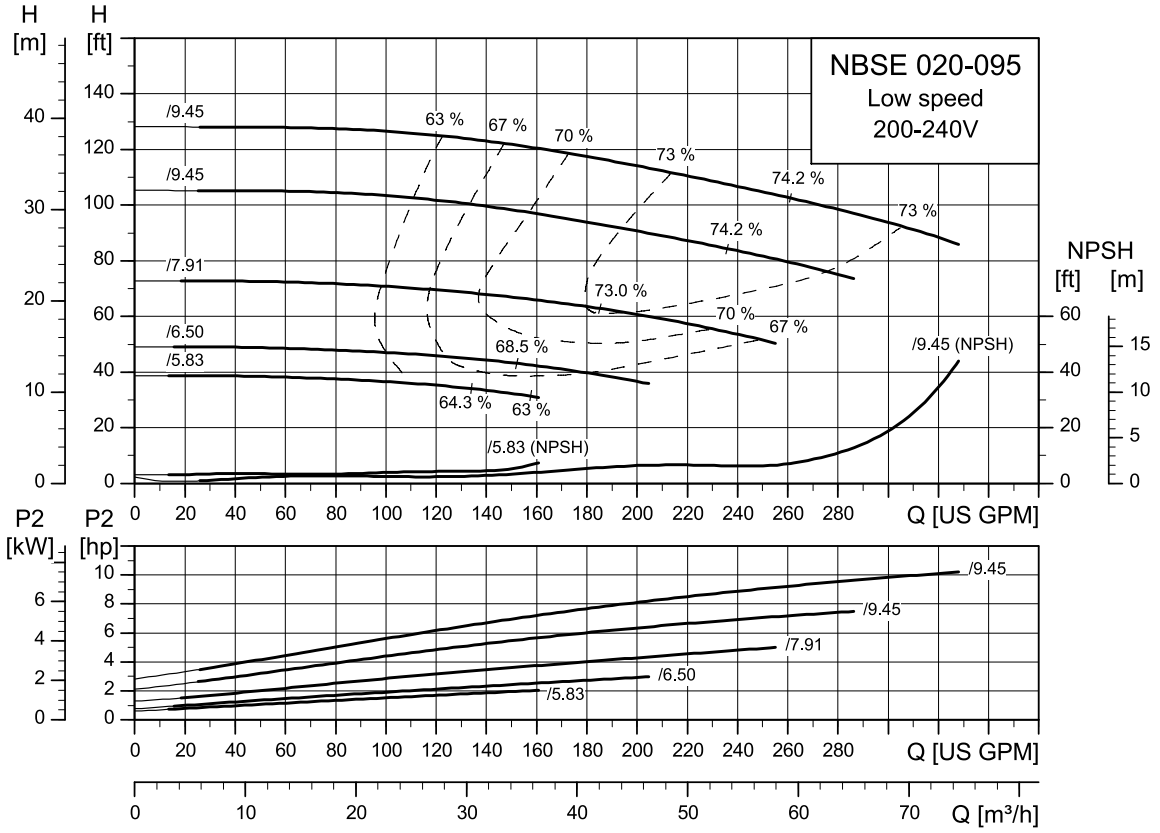
TM089334

NBSE 015-095



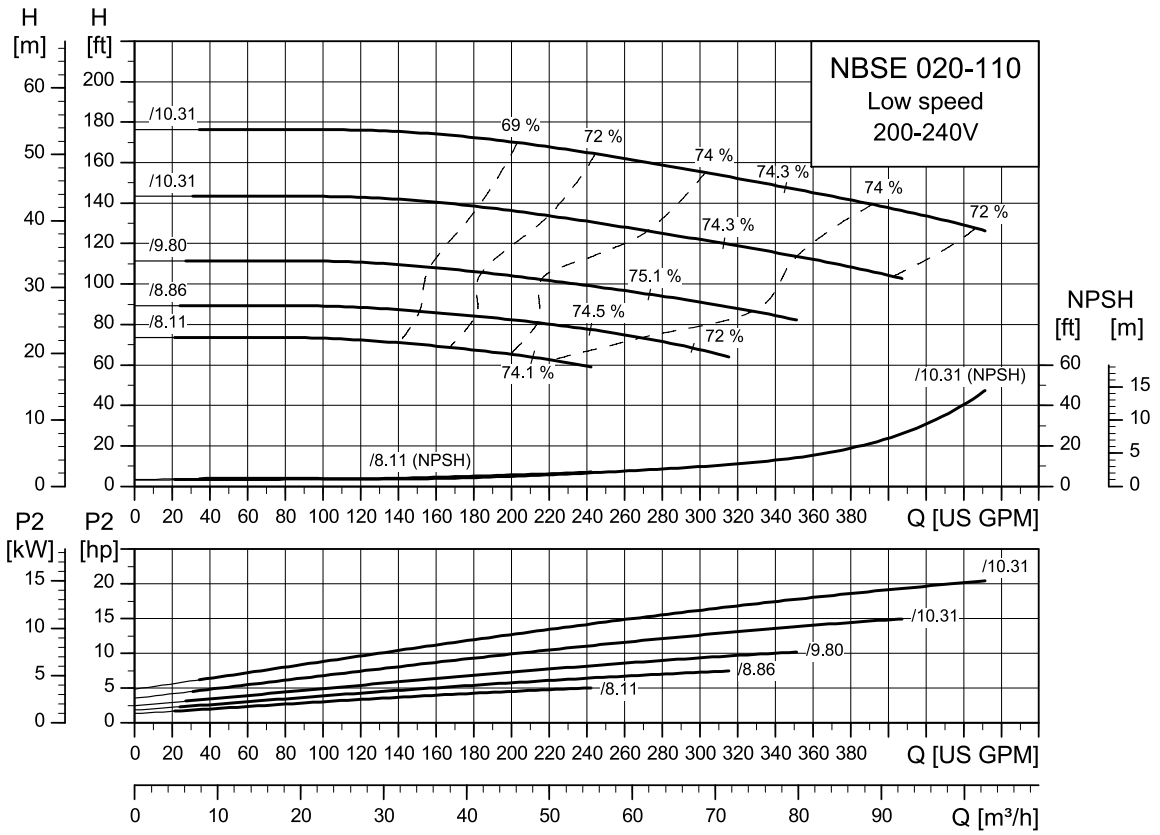
TM089335

NBSE 020-095



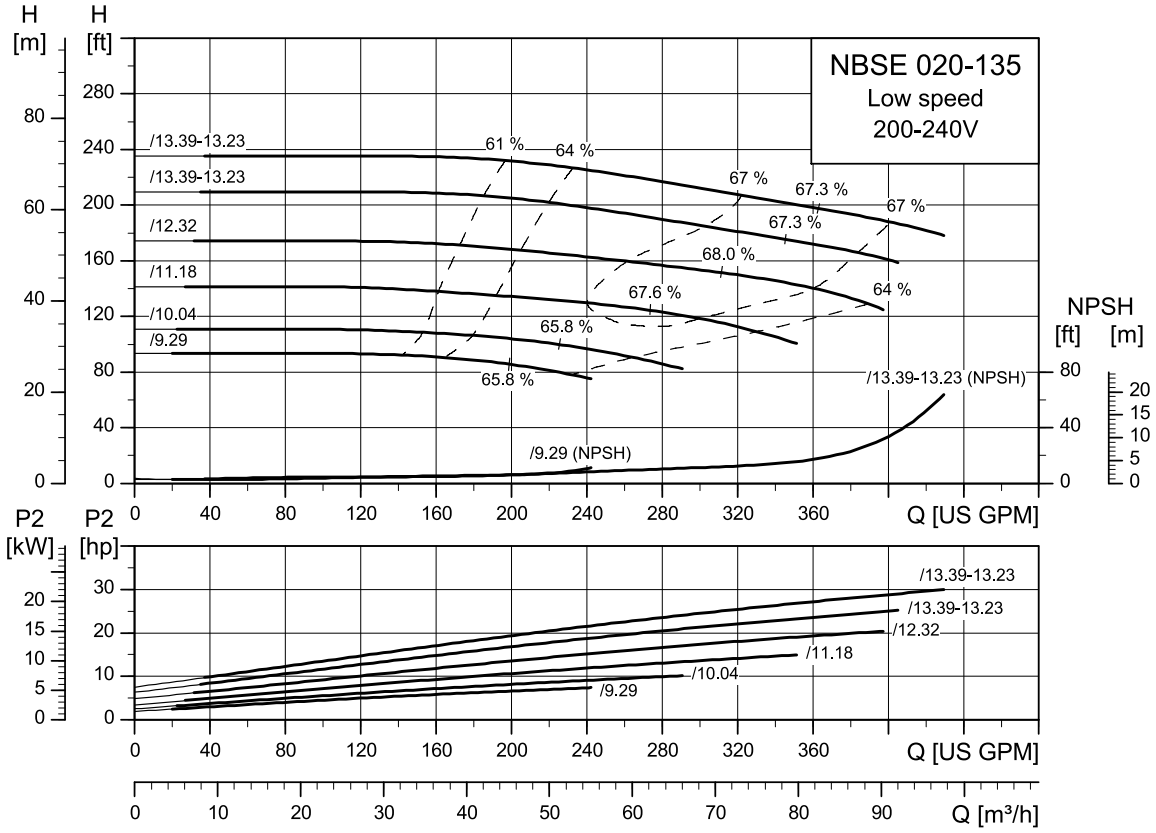
TM089336

NBSE 020-110



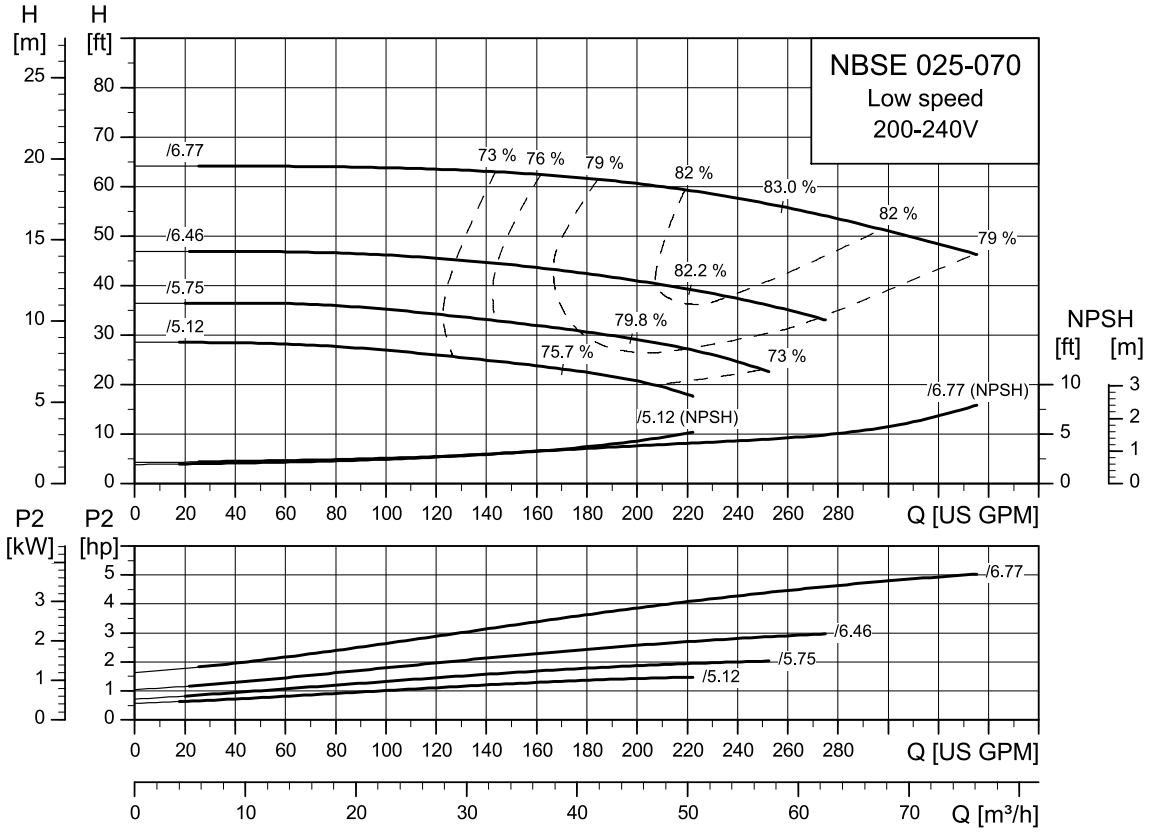
TM089337

NBSE 020-135



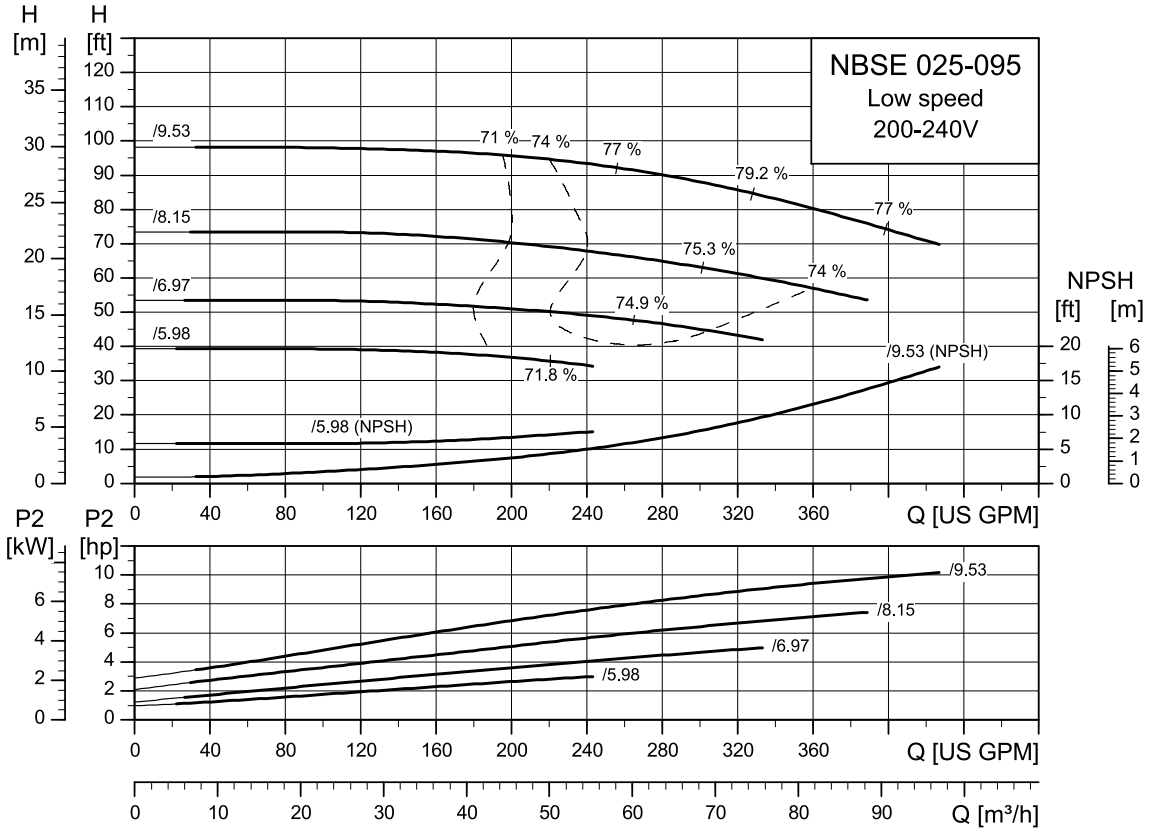
TM089338

NBSE 025-070

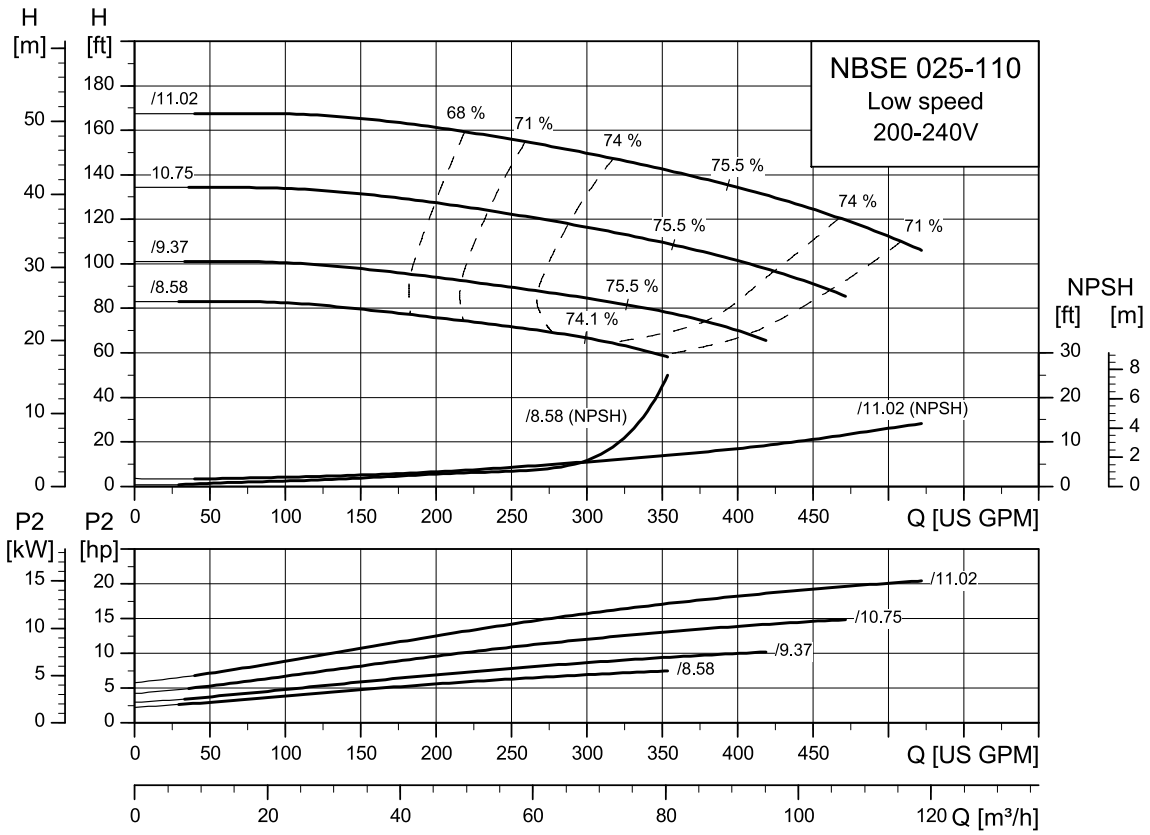


TM089339

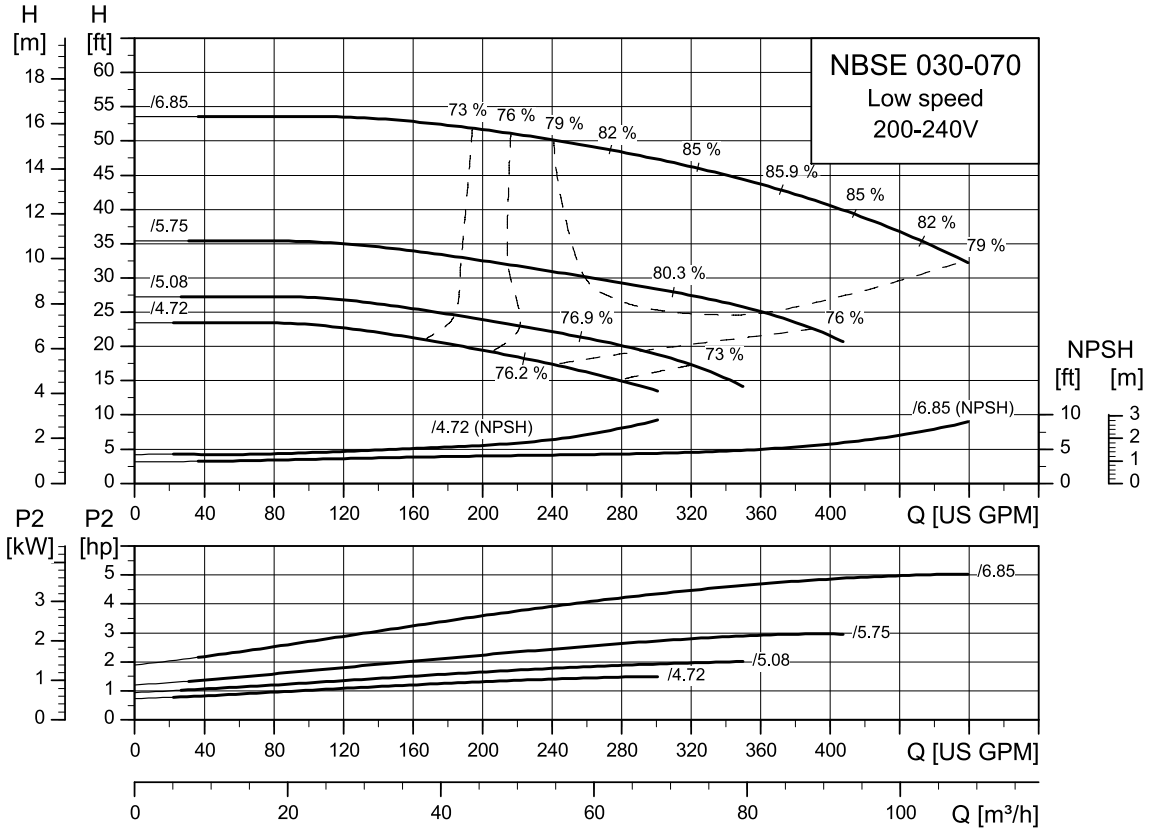
NBSE 025-095



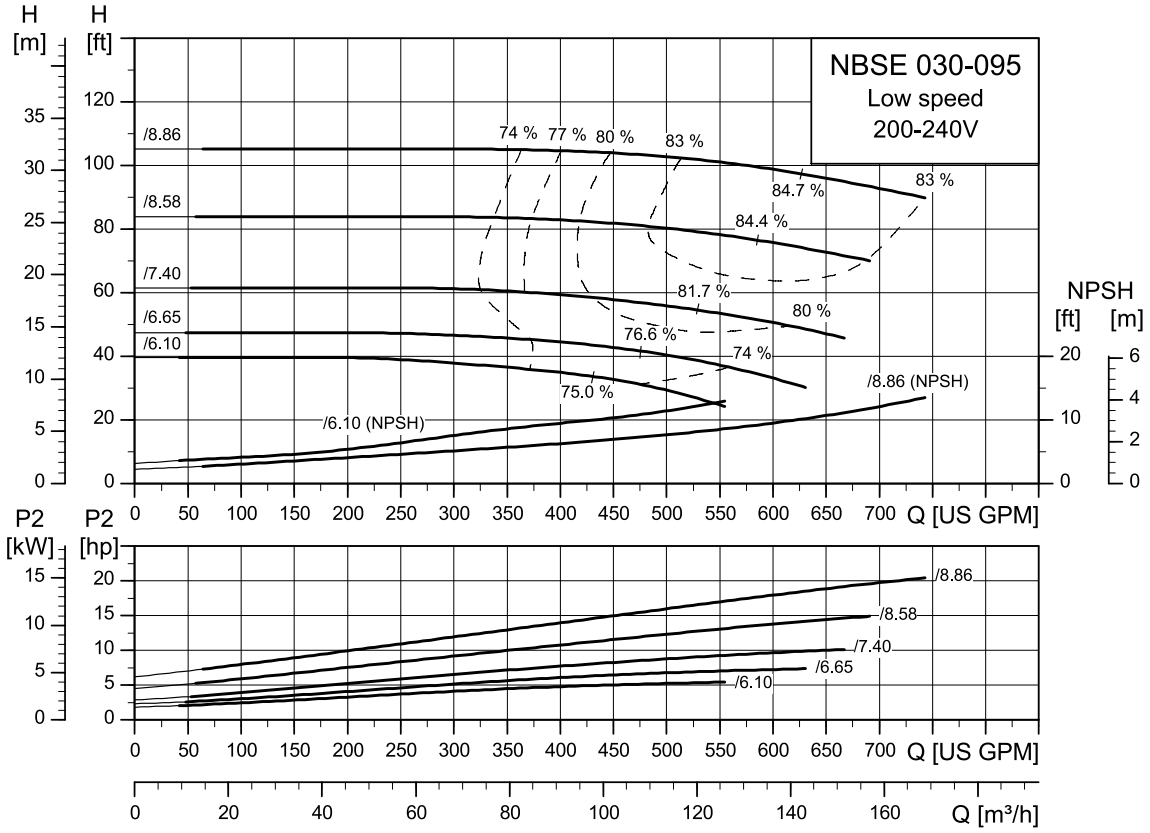
NBSE 025-110



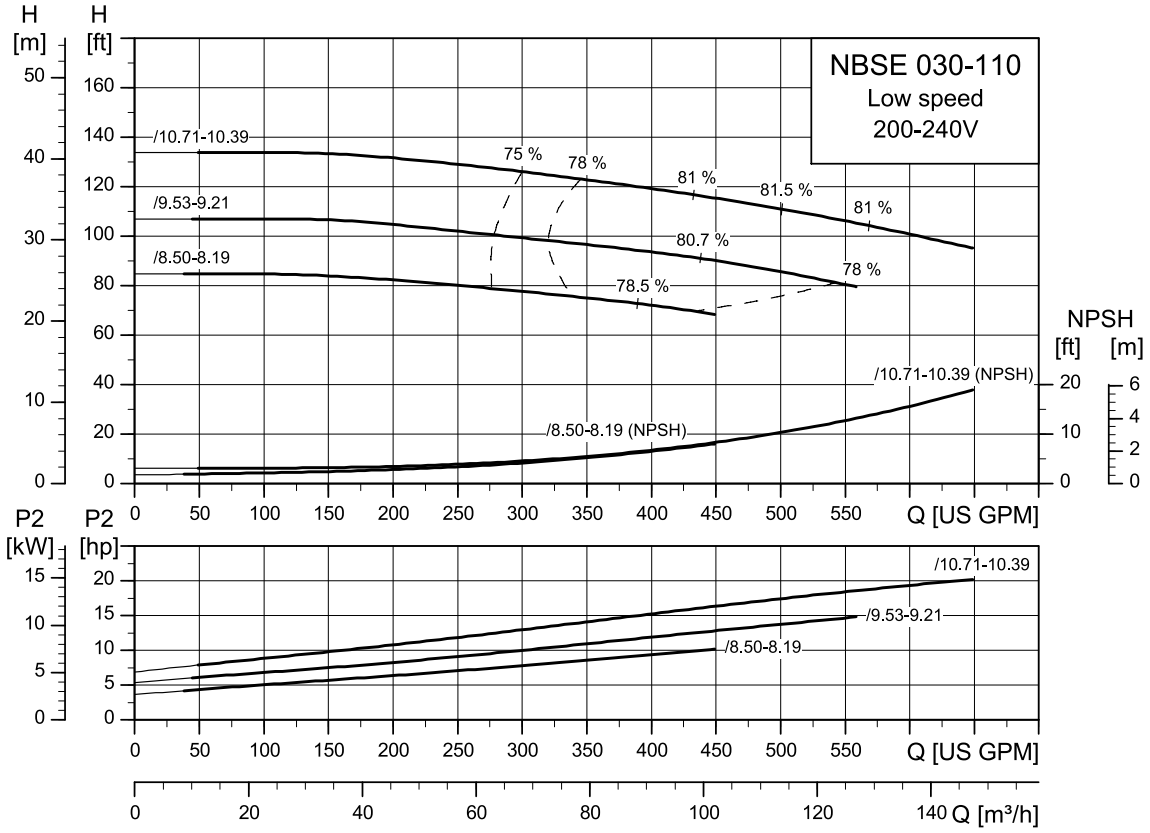
NBSE 030-070



NBSE 030-095

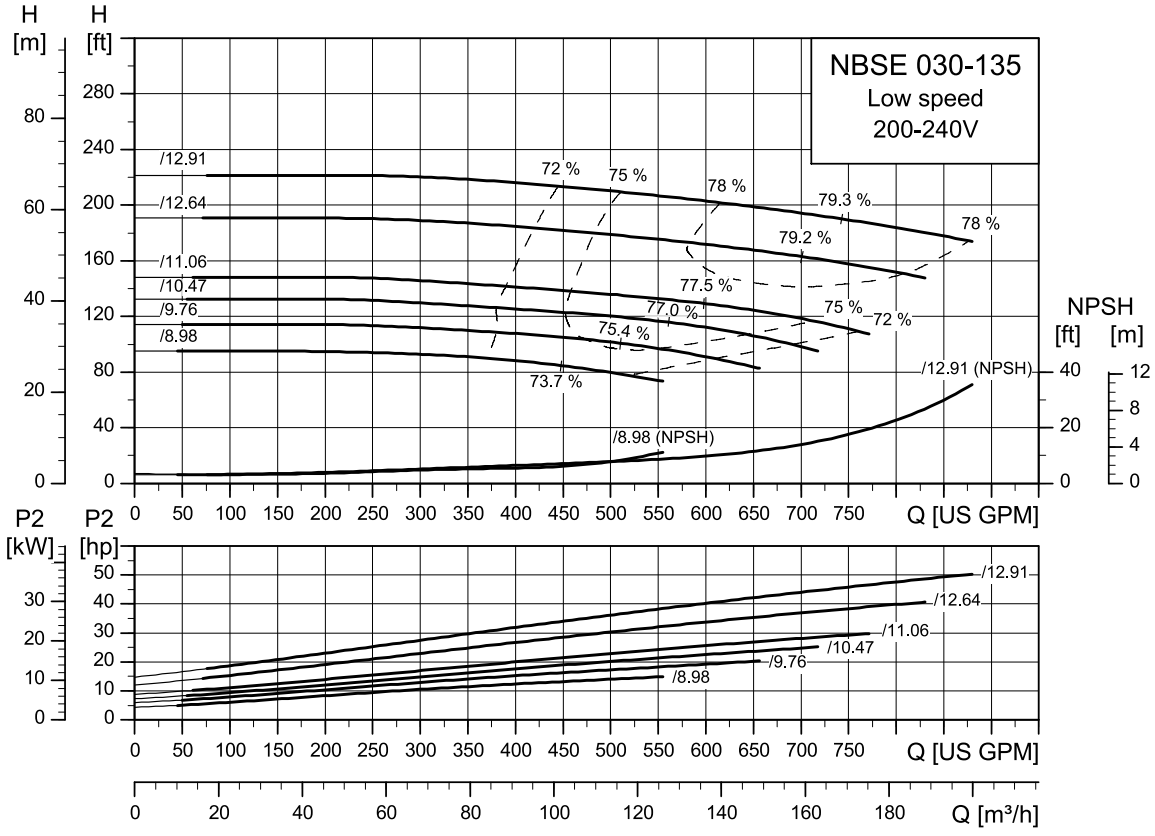


NBSE 030-110



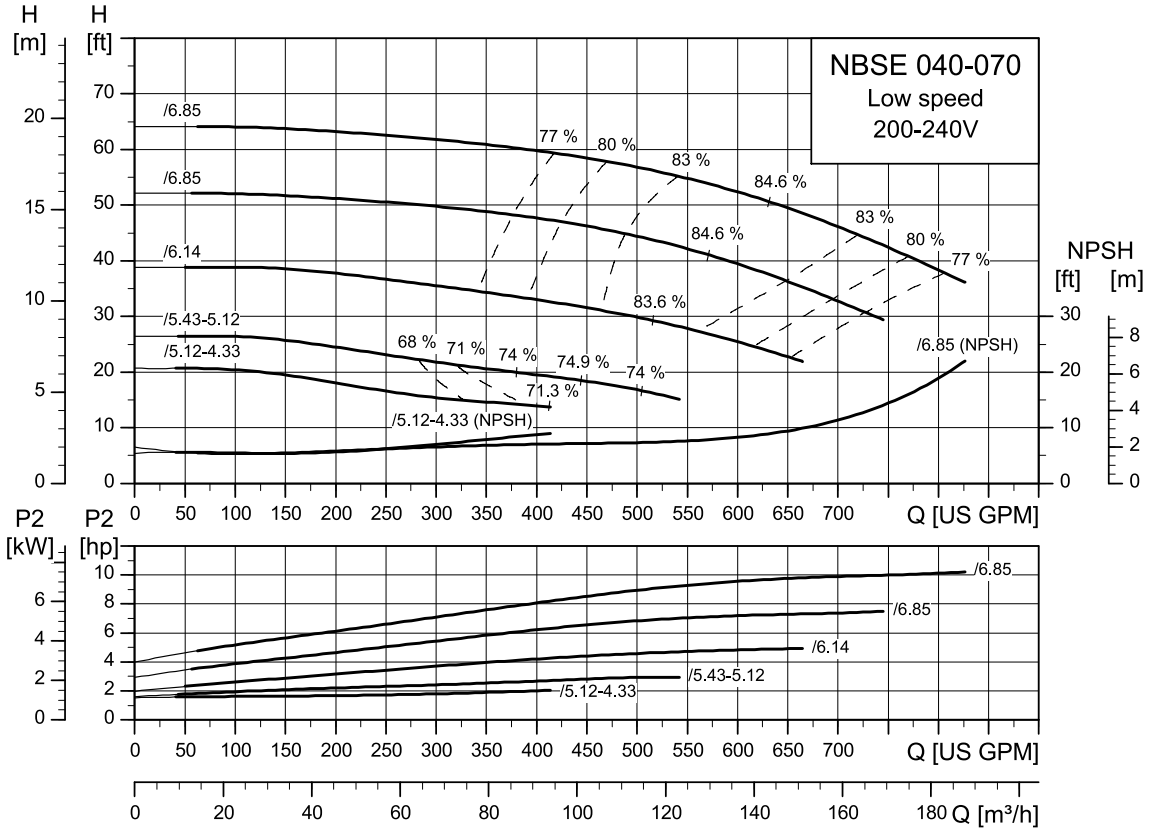
TM089344

NBSE 030-135



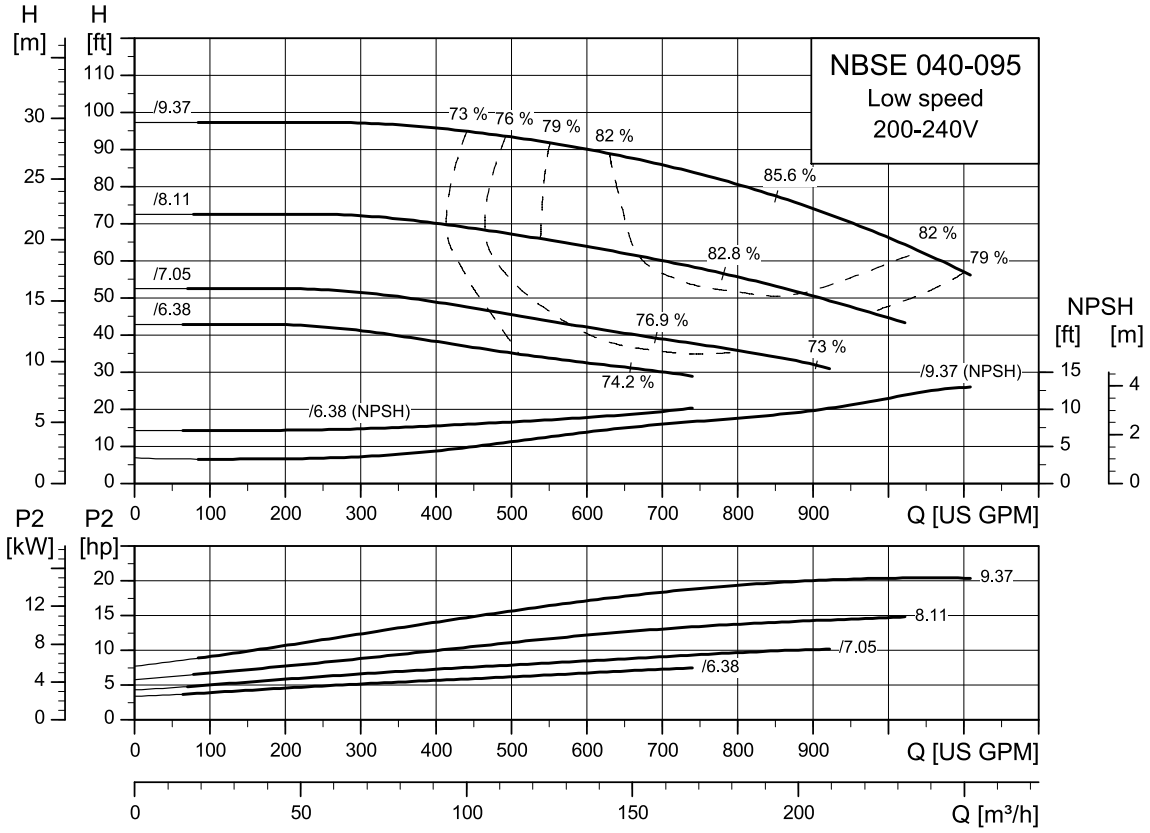
TM089345

NBSE 040-070



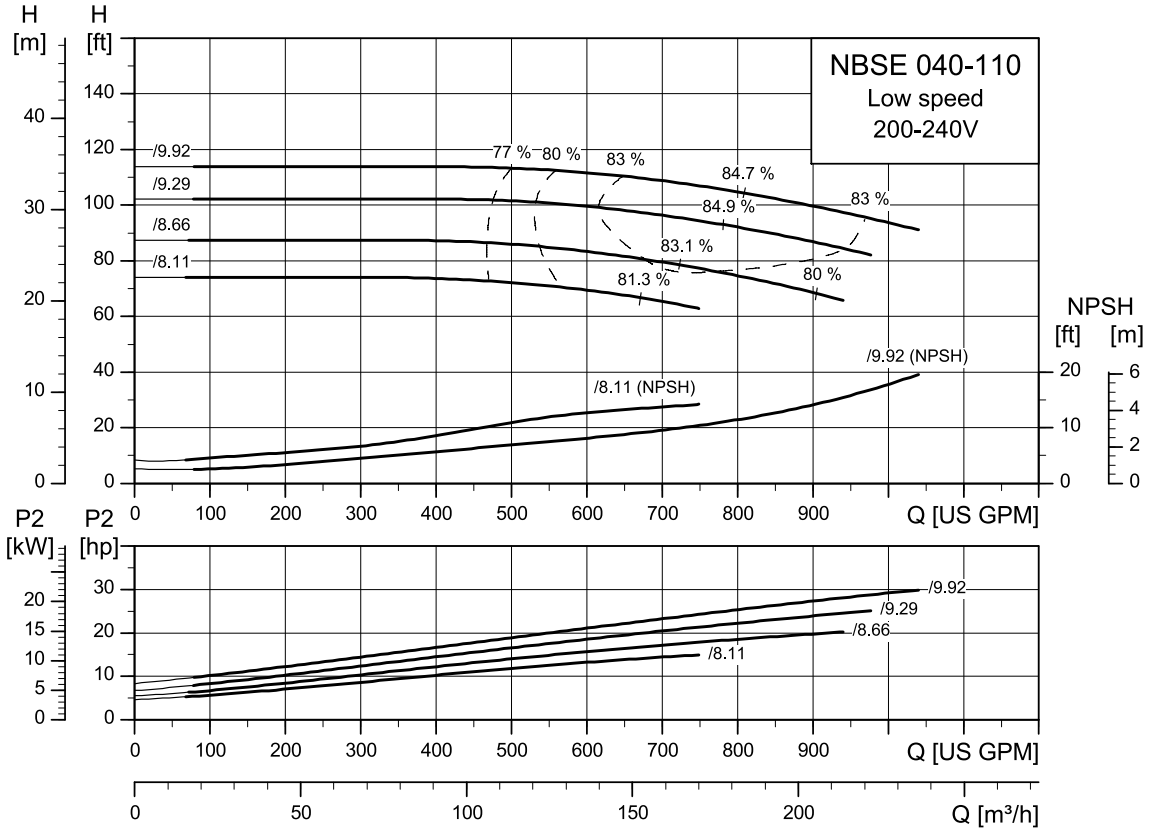
TM089346

NBSE 040-095



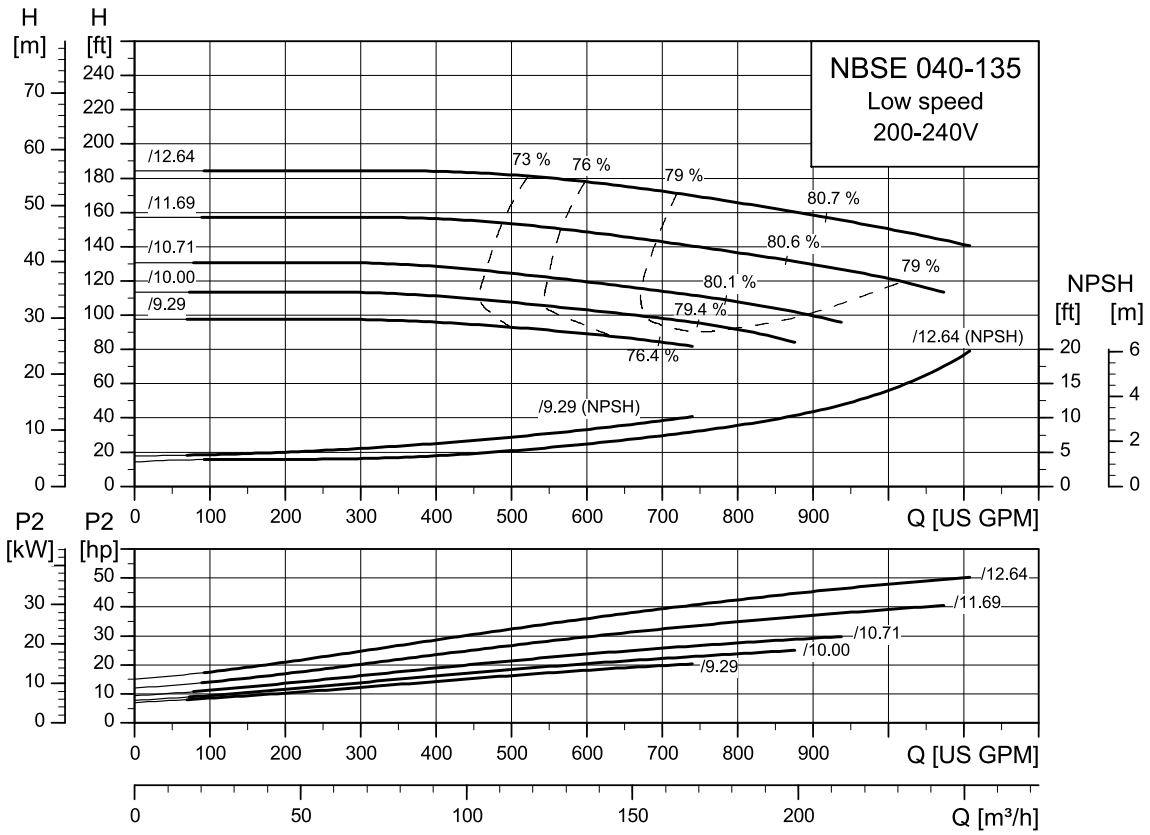
TM089347

NBSE 040-110



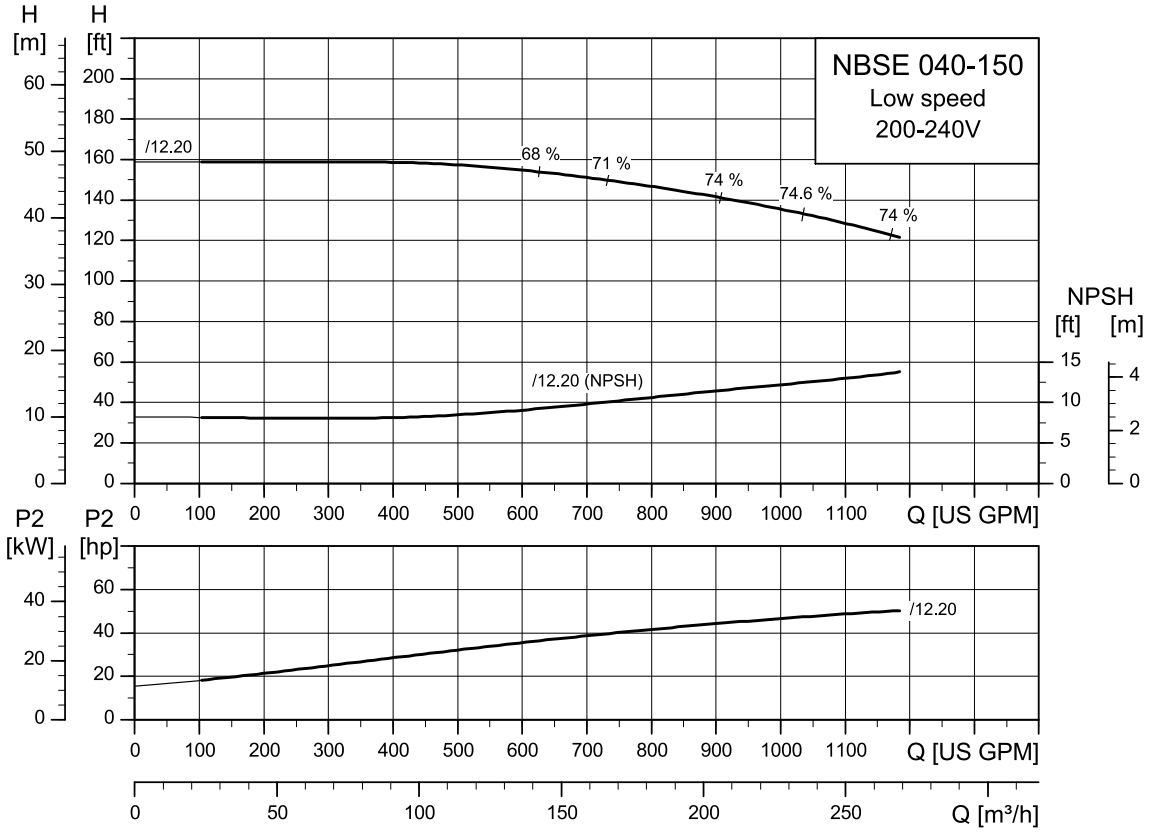
TM089348

NBSE 040-135



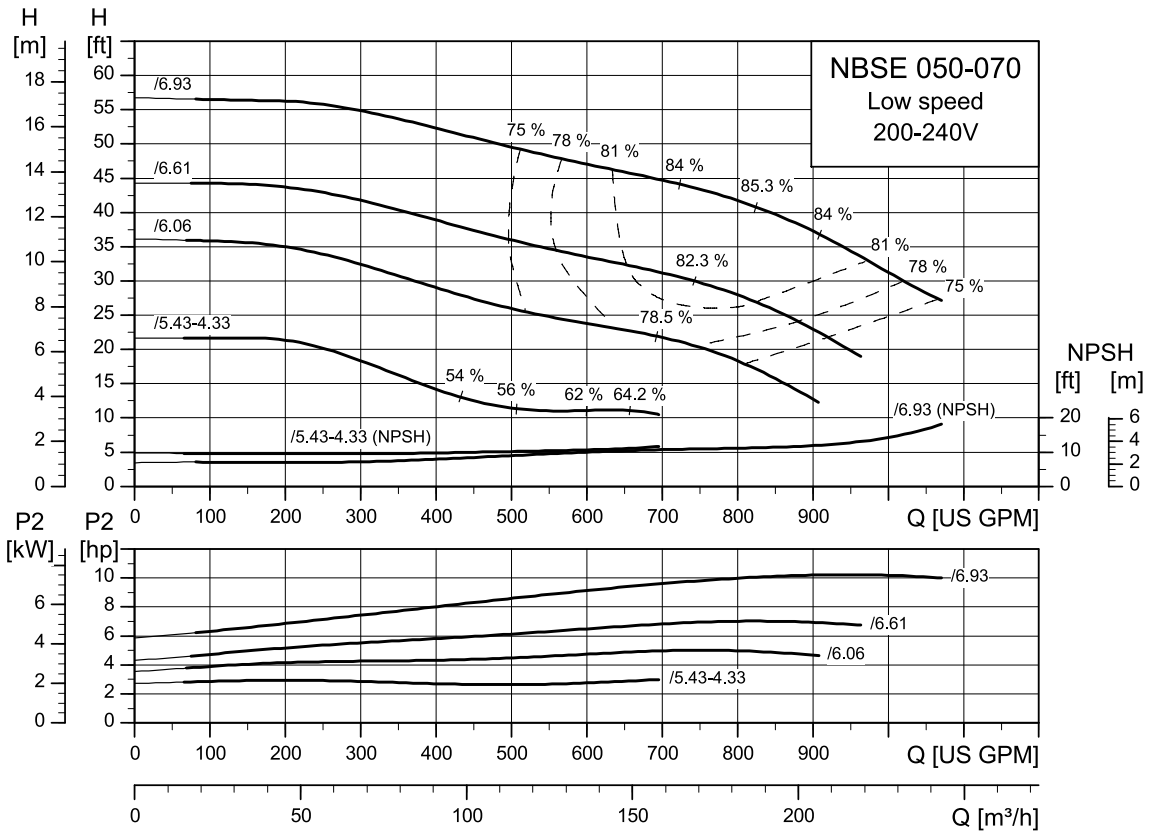
TM089349

NBSE 040-150



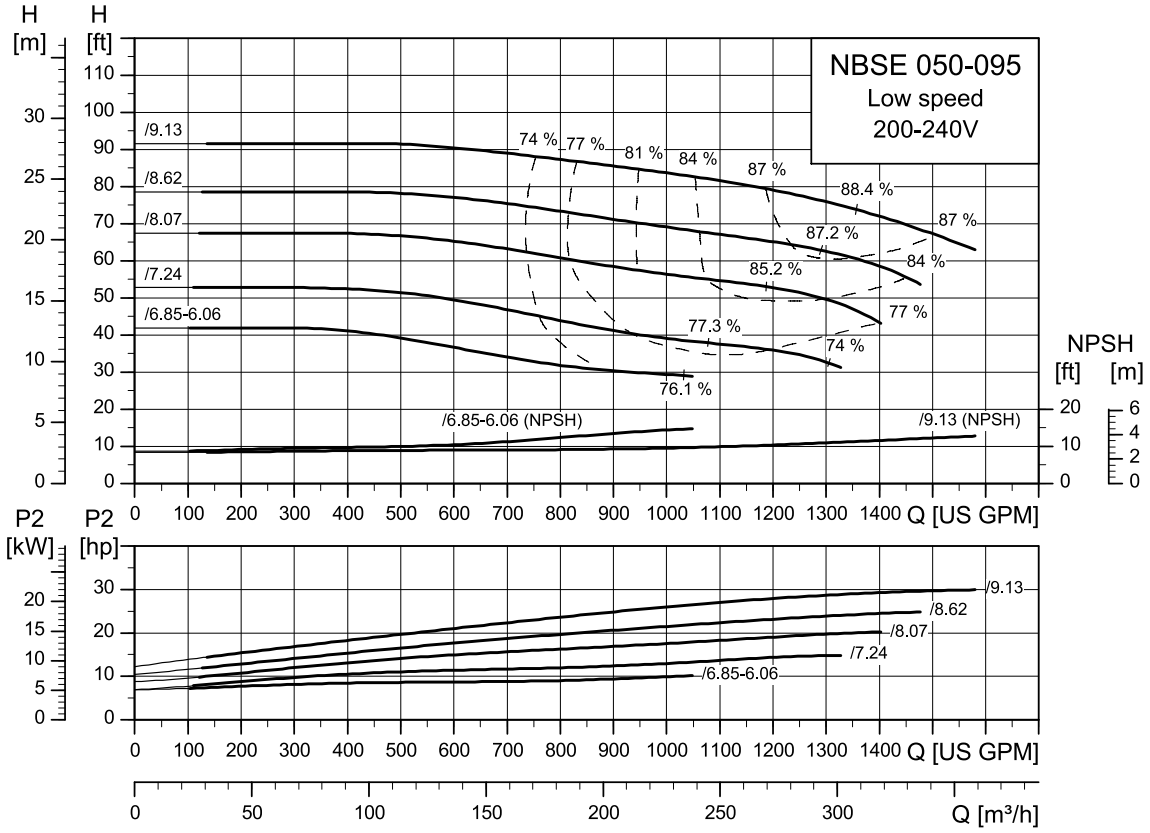
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NBSE 050-070



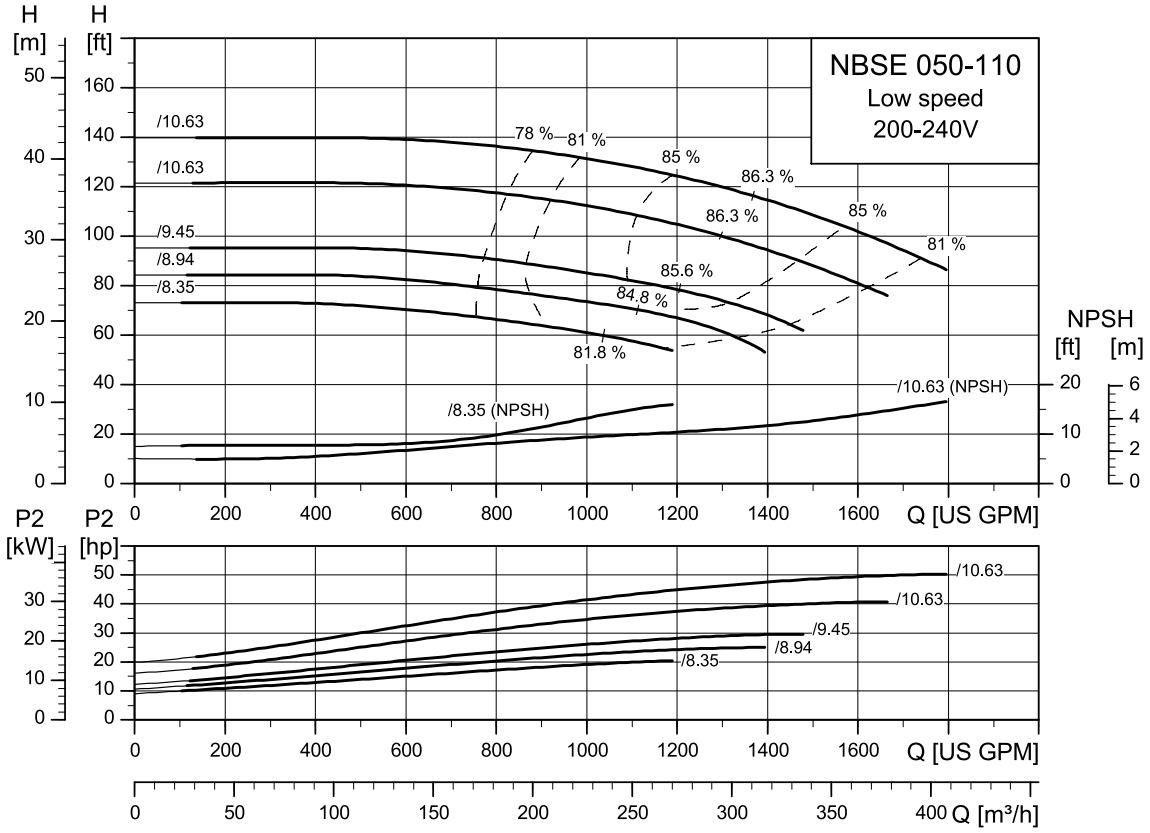
TM089351

NBSE 050-095



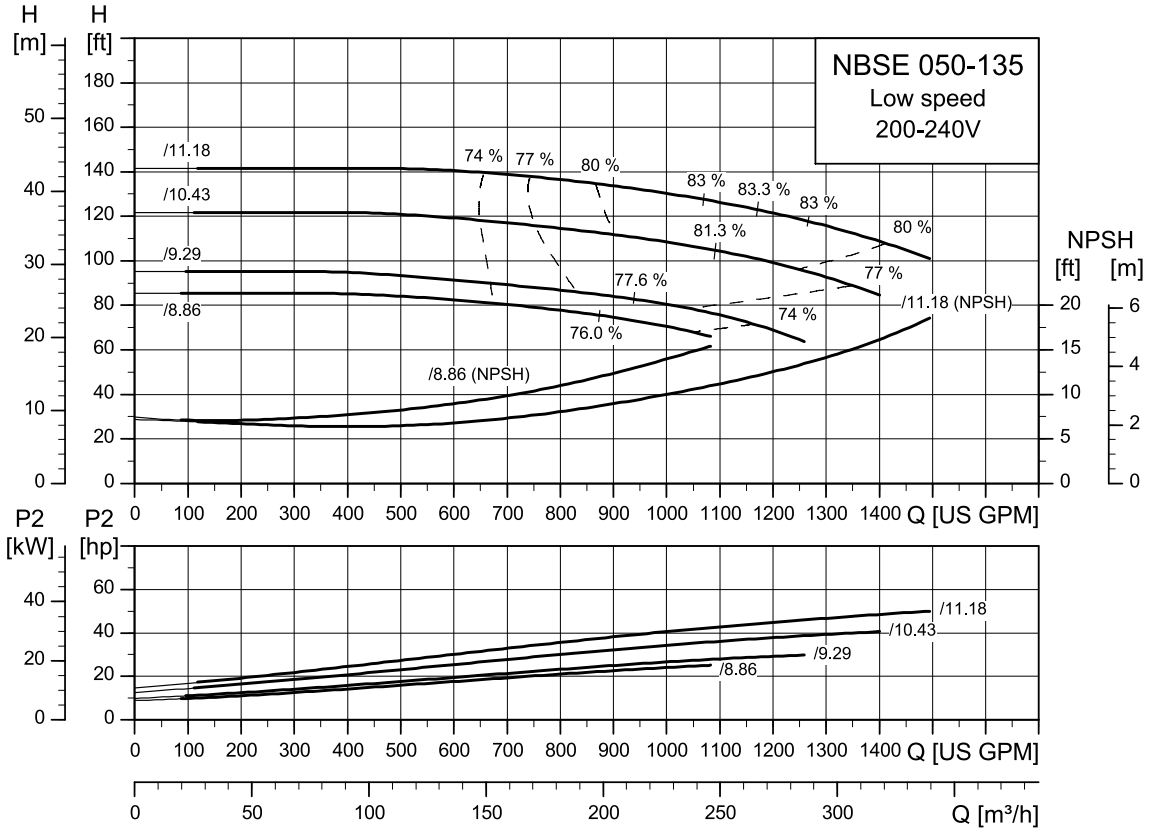
TM089352

NBSE 050-110



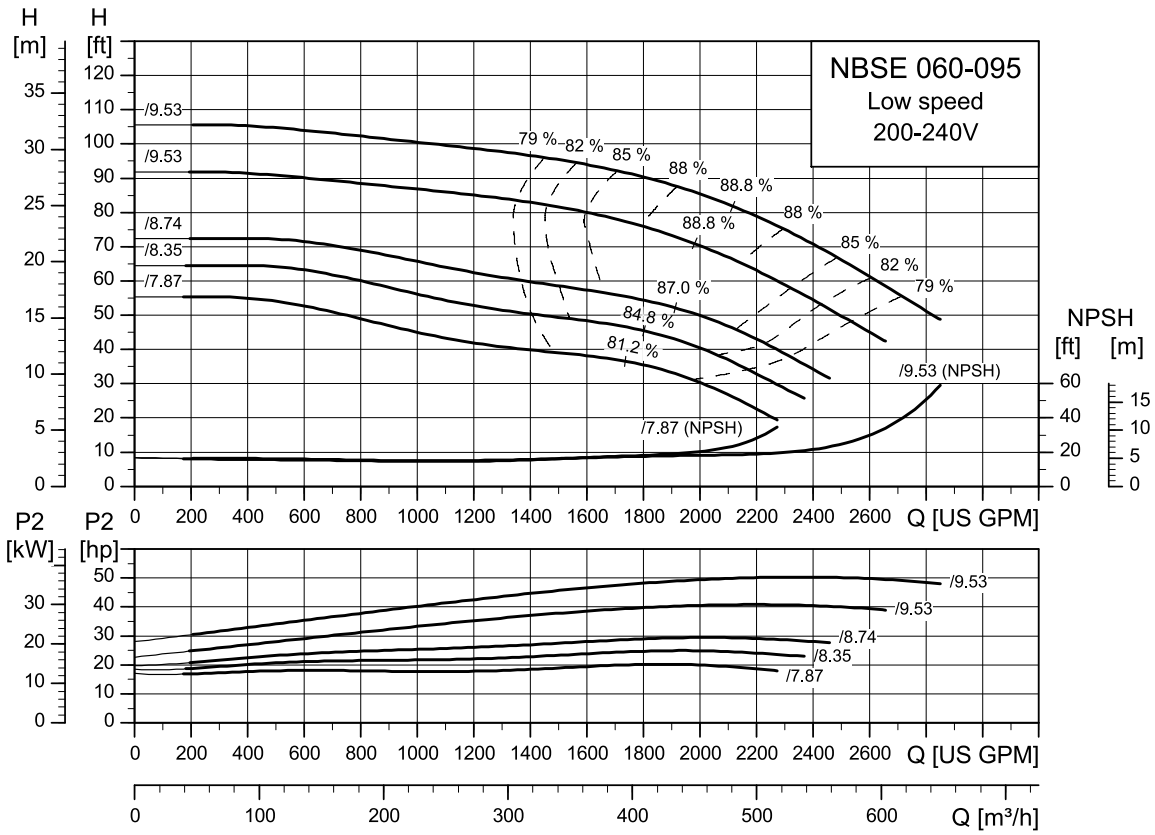
TM089353

NBSE 050-135



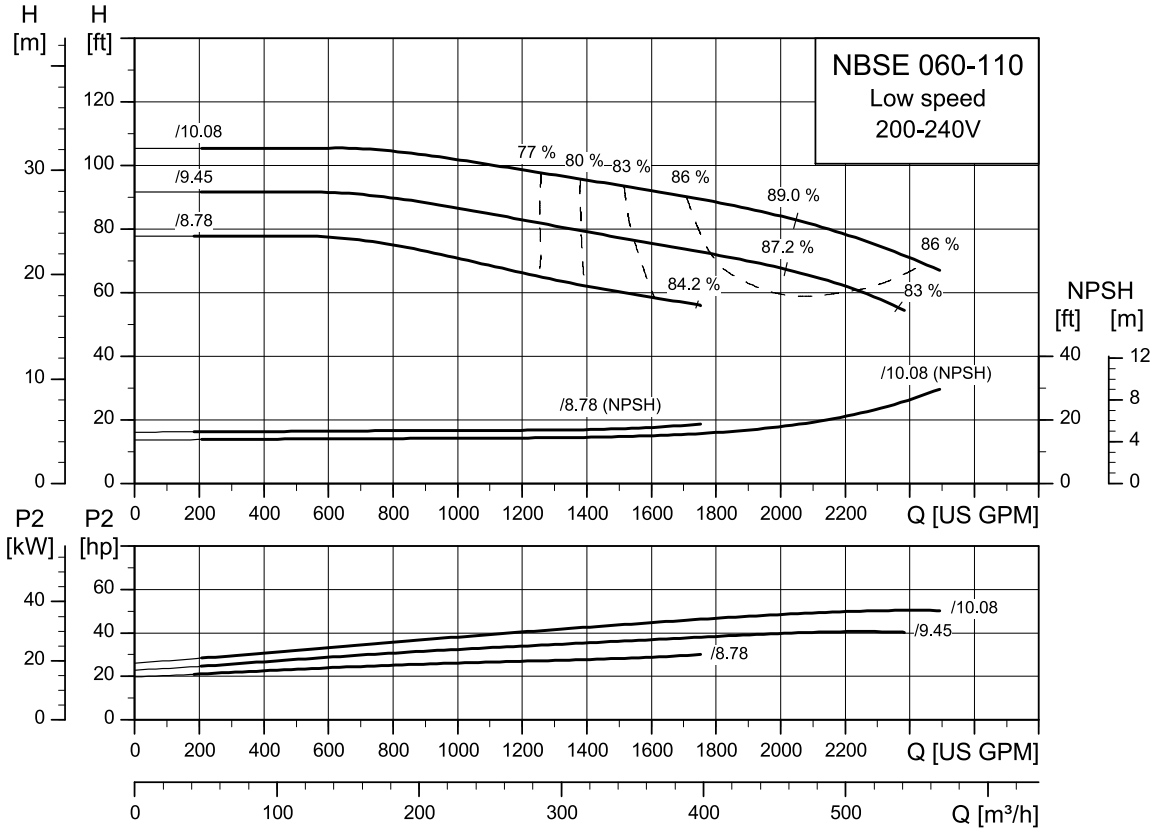
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NBSE 060-095



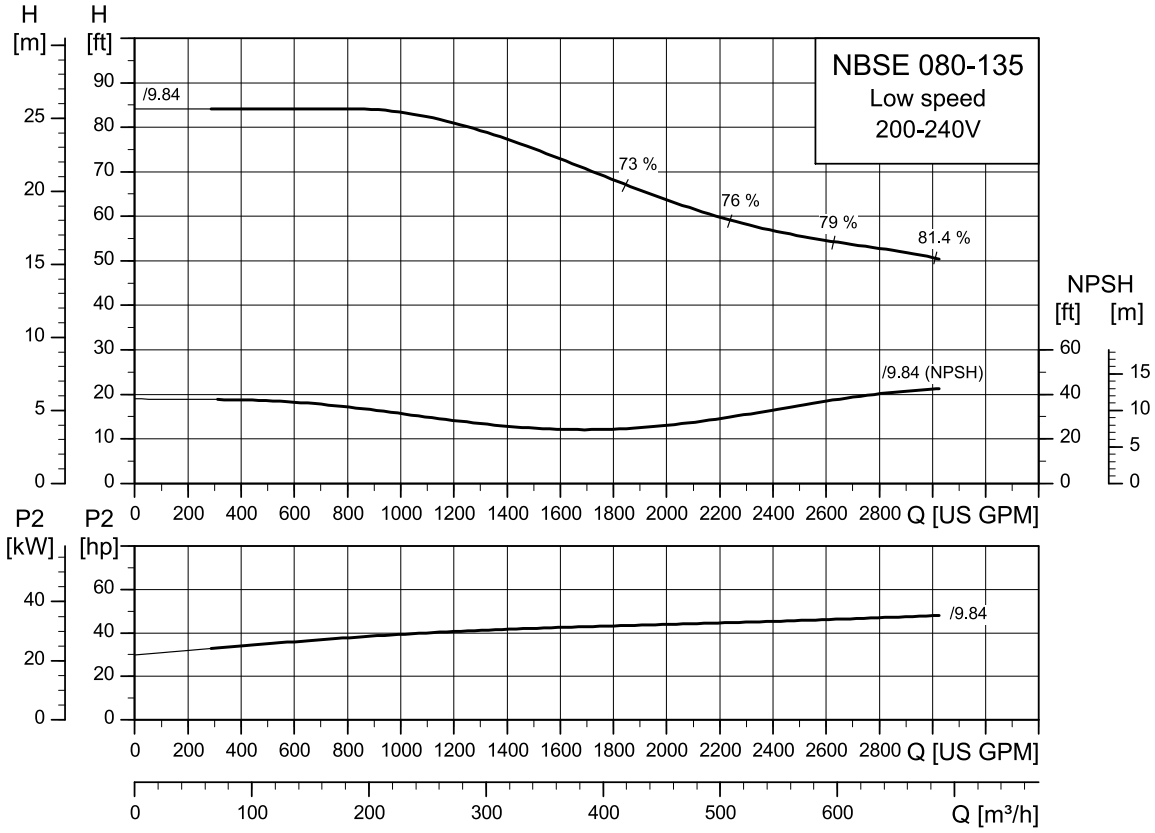
TM089355

NBSE 060-110



TM089356

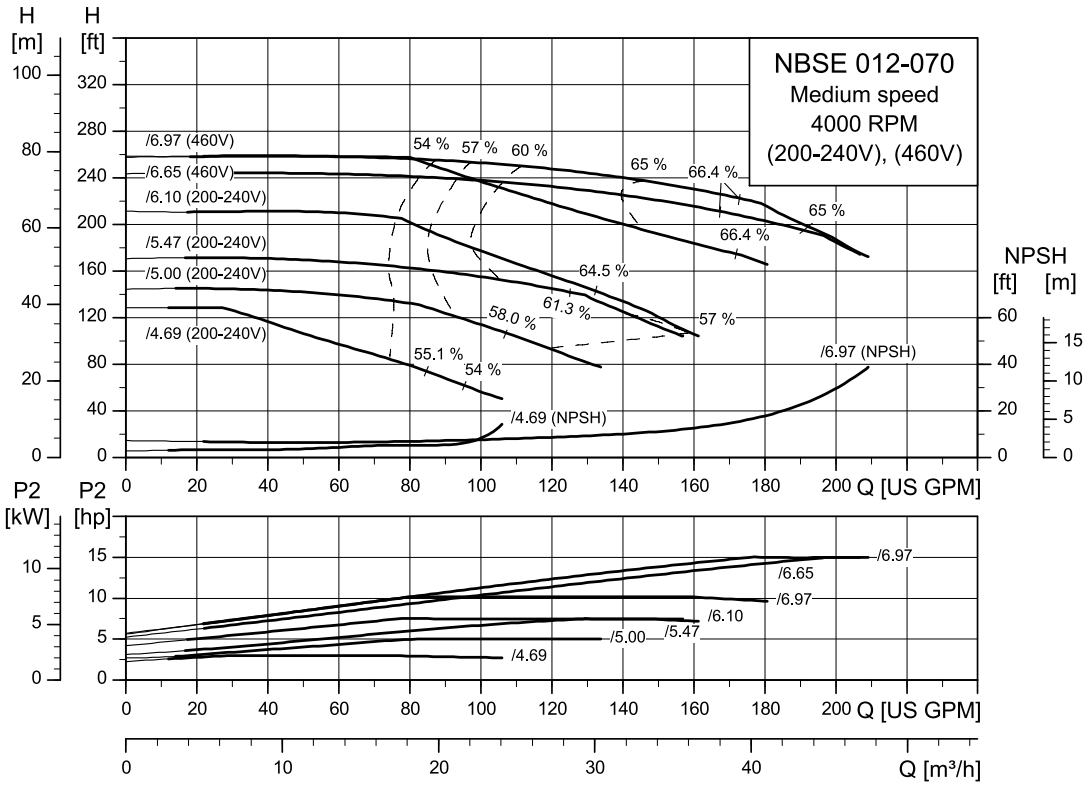
NBSE 080-135



TM089357

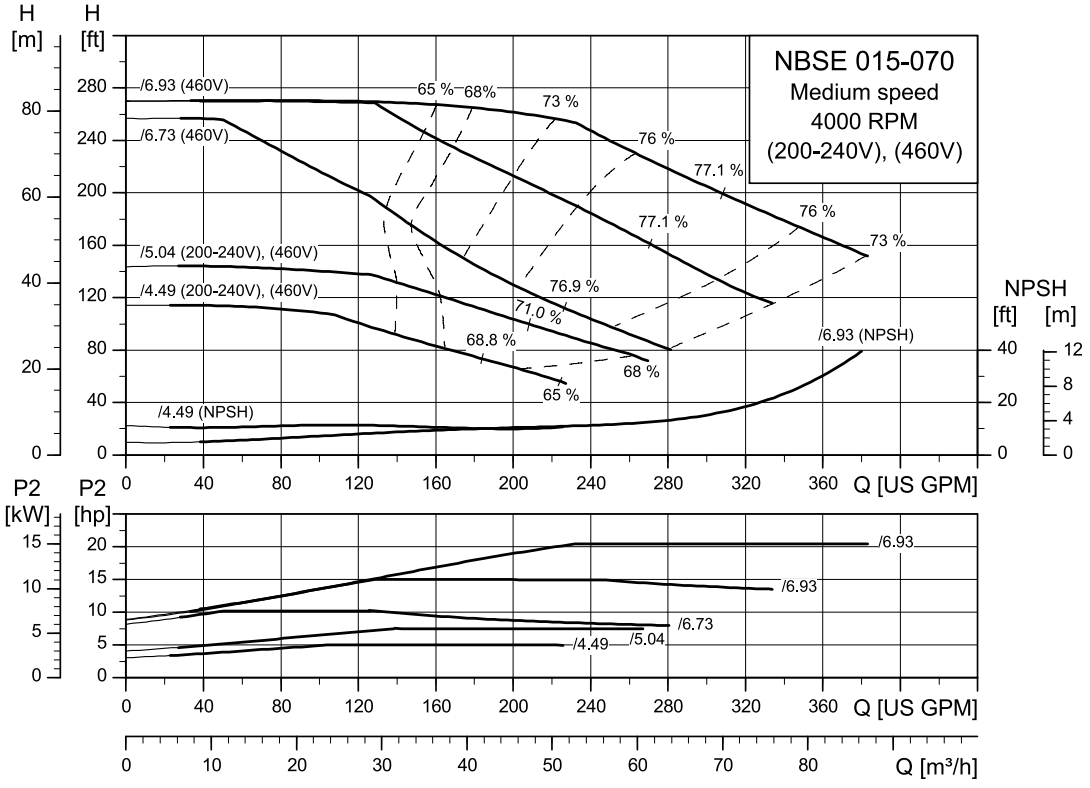
Medium speed, 4000 RPM, MLE 200-240V, MLE & CUE 460V

NBSE 012-070



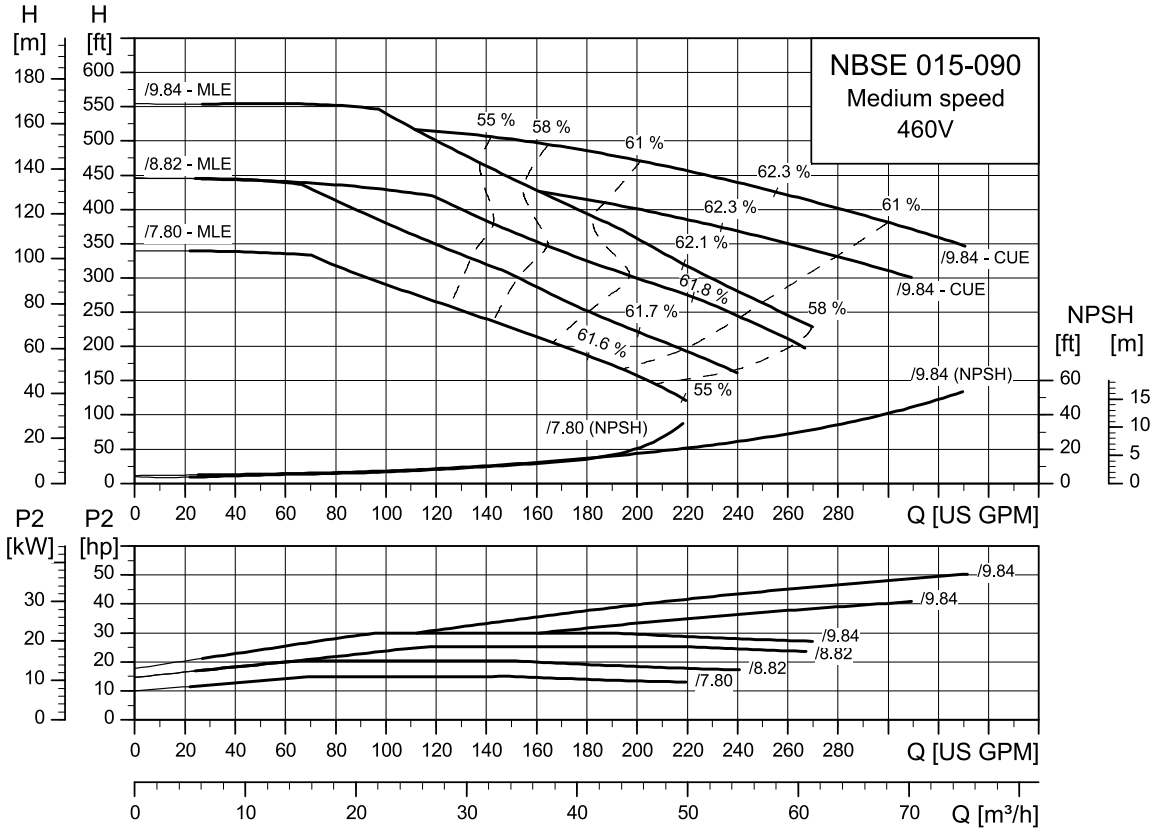
TM080526

NBSE 015-070



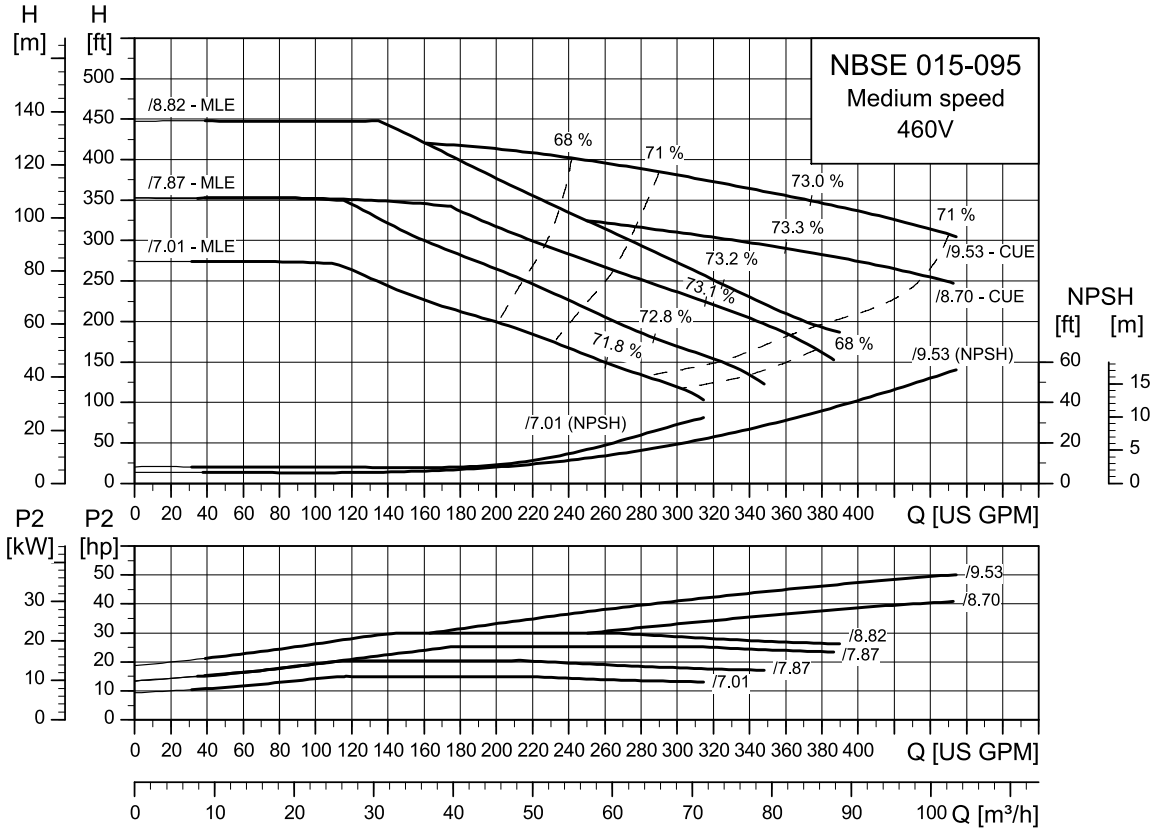
TM080527

NBSE 015-090



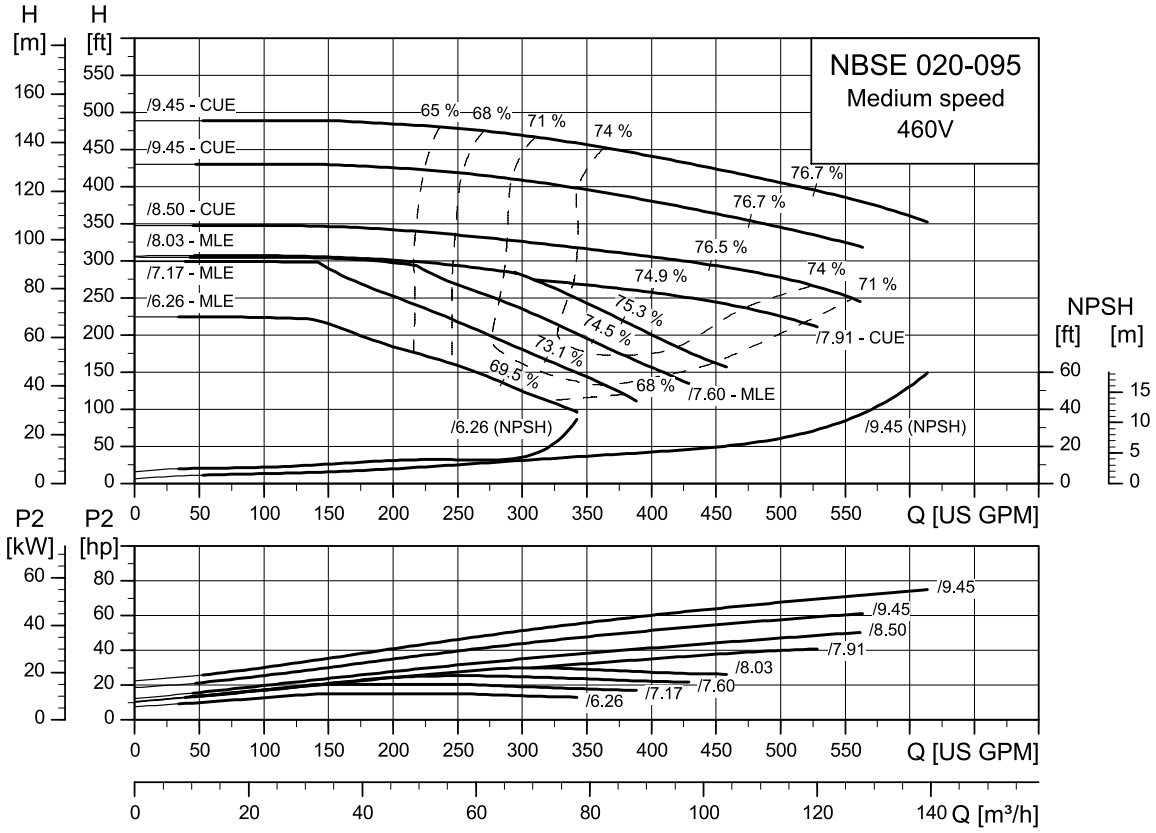
TM087598

NBSE 015-095



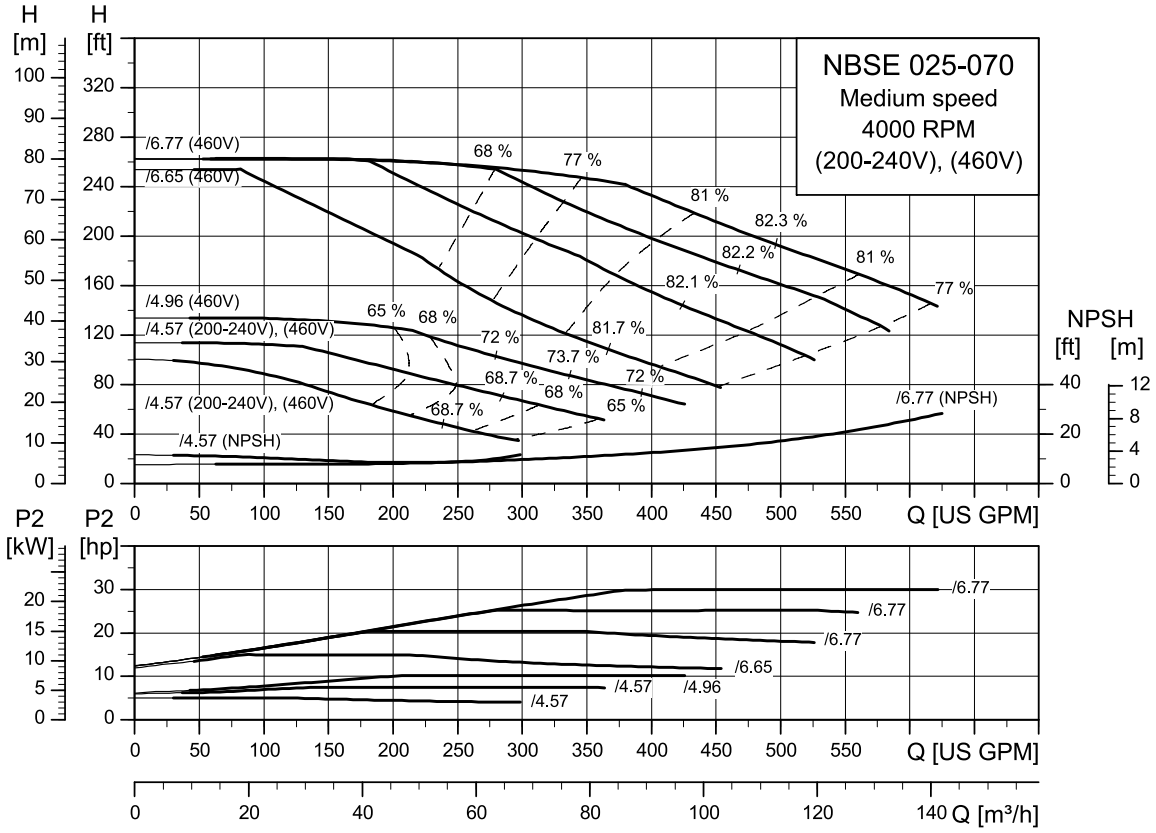
TM087599

NBSE 020-095



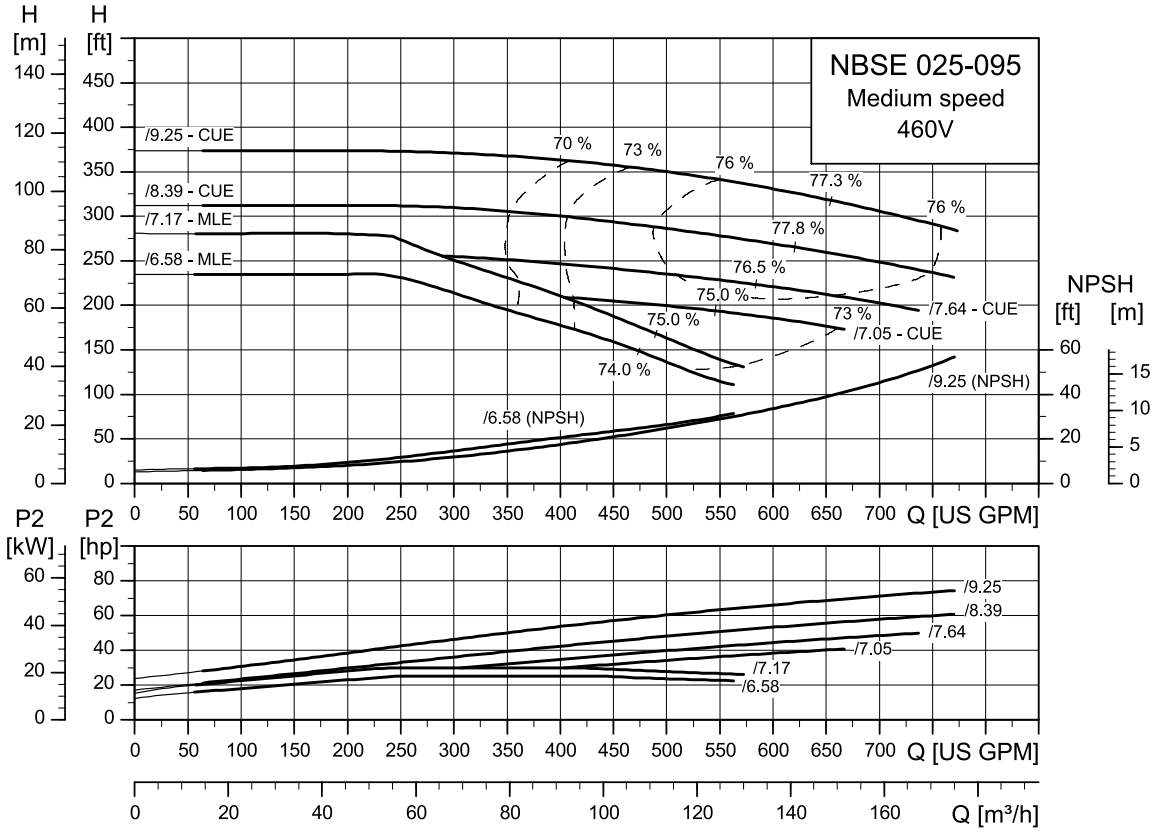
TM087600

NBSE 025-070



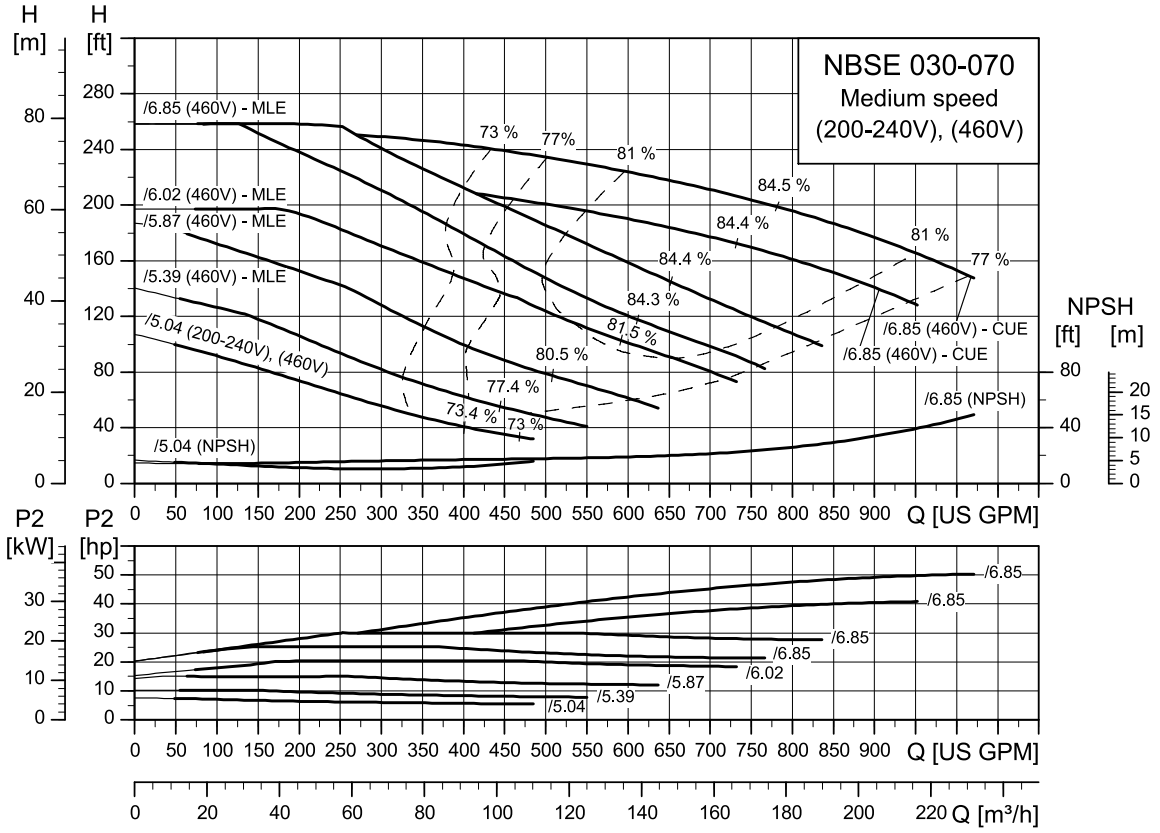
TM080528

NBSE 025-095



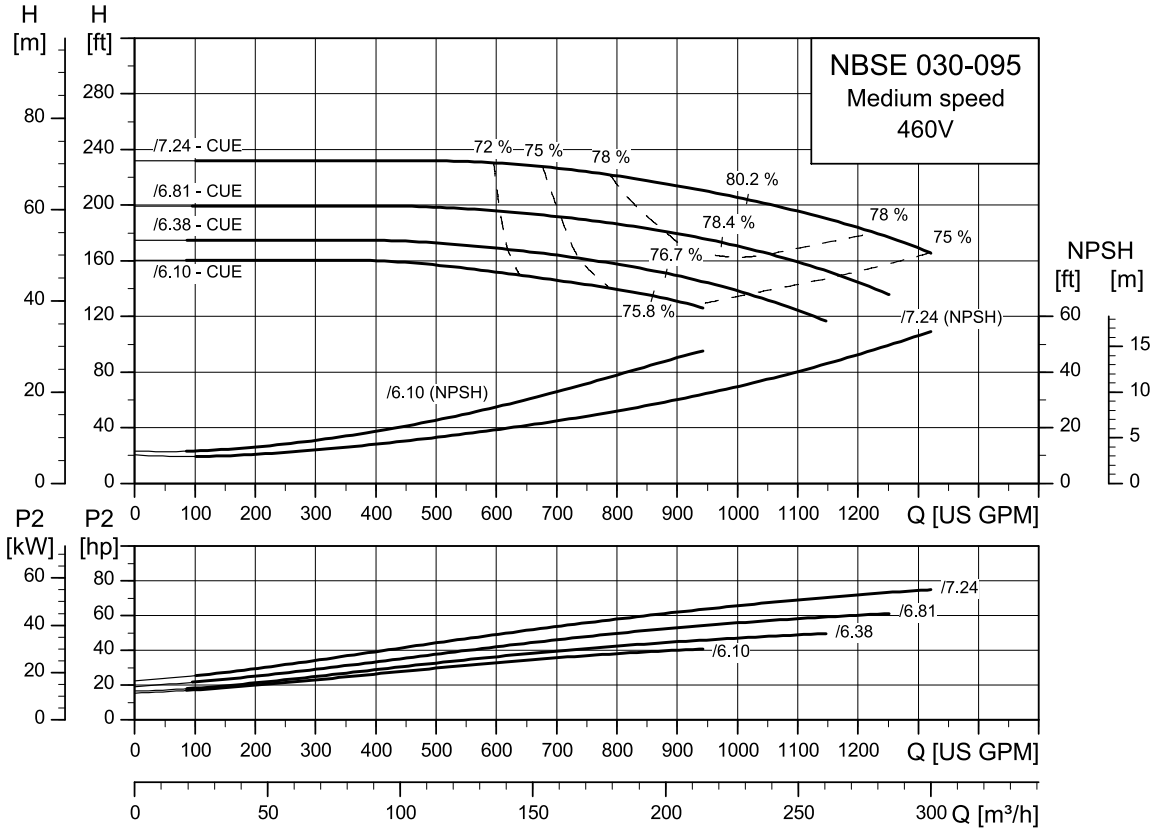
TM087601

NBSE 030-070



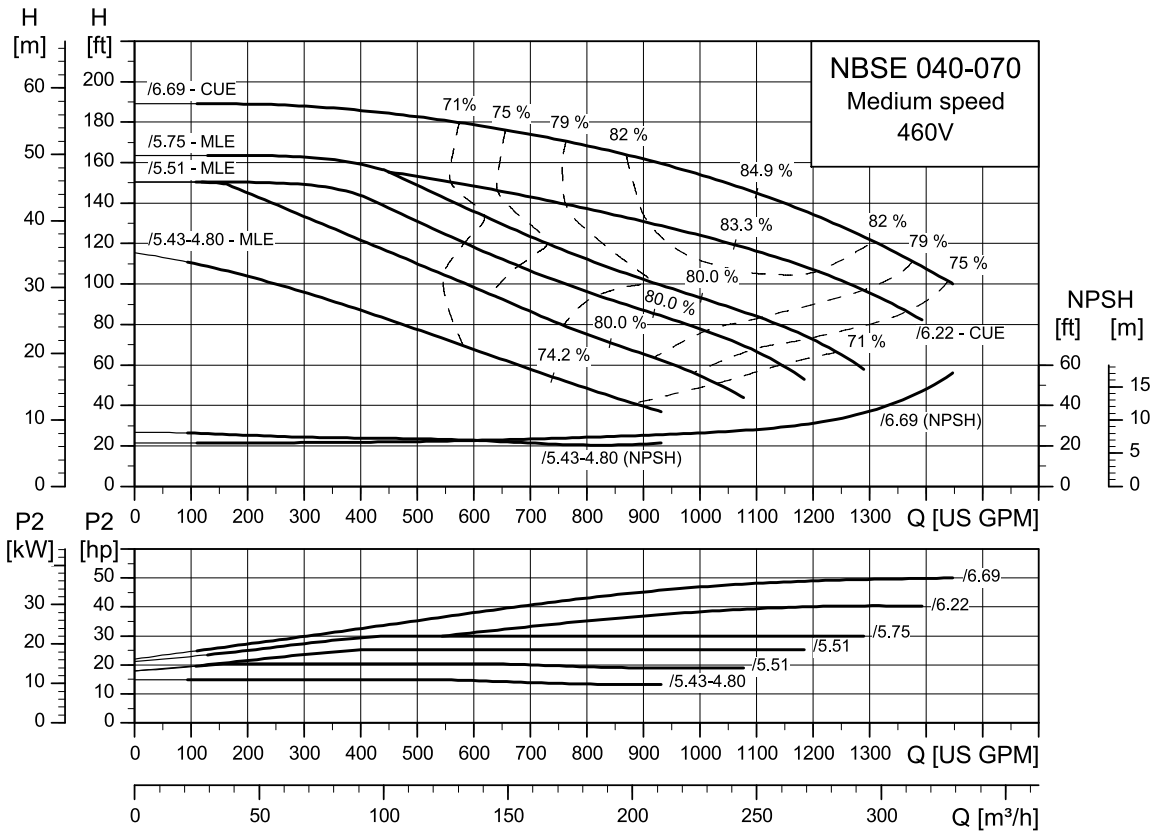
TM080529

NBSE 030-095



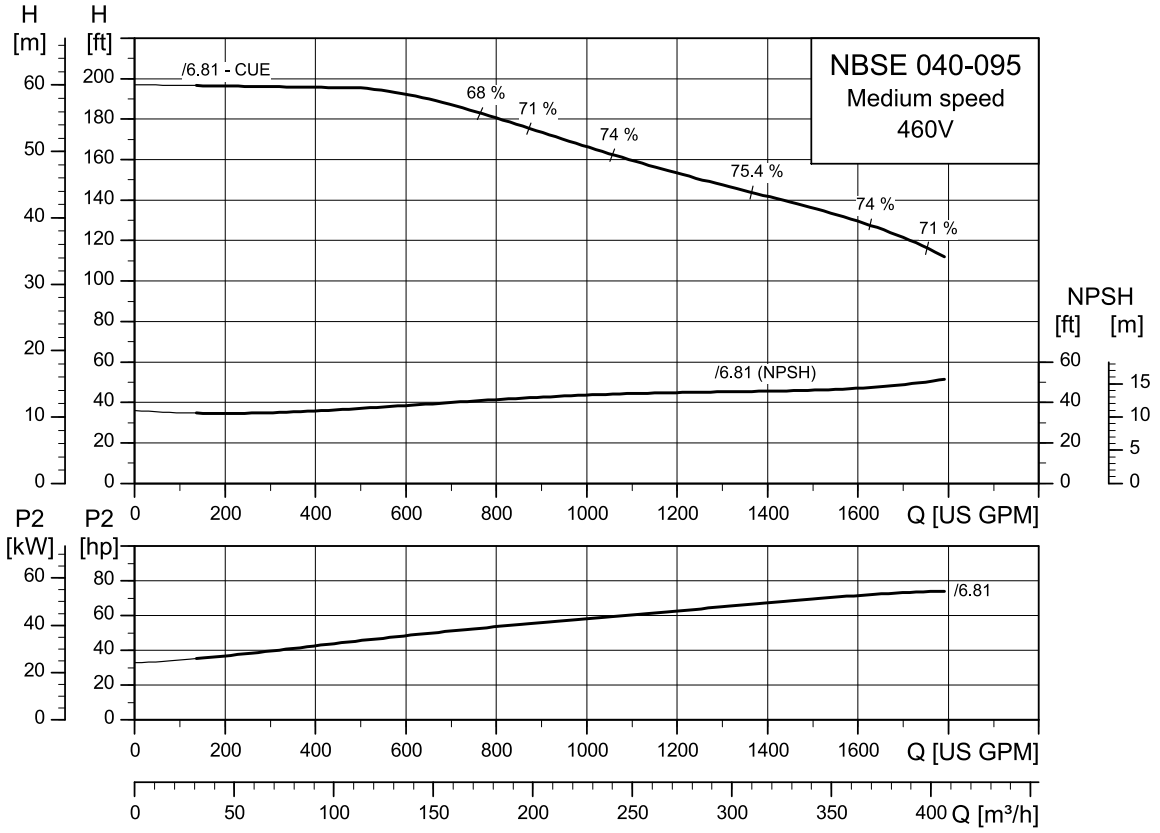
TM088434

NBSE 040-070



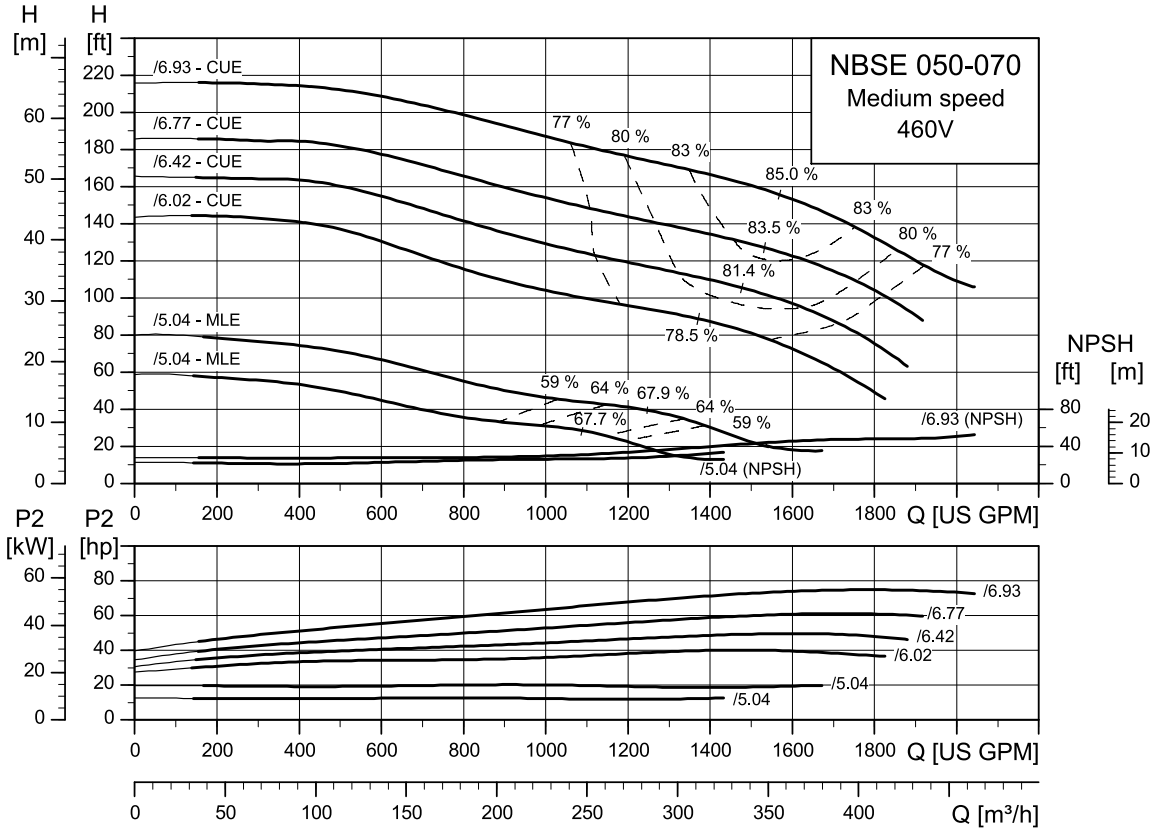
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NBSE 040-095



TM088433

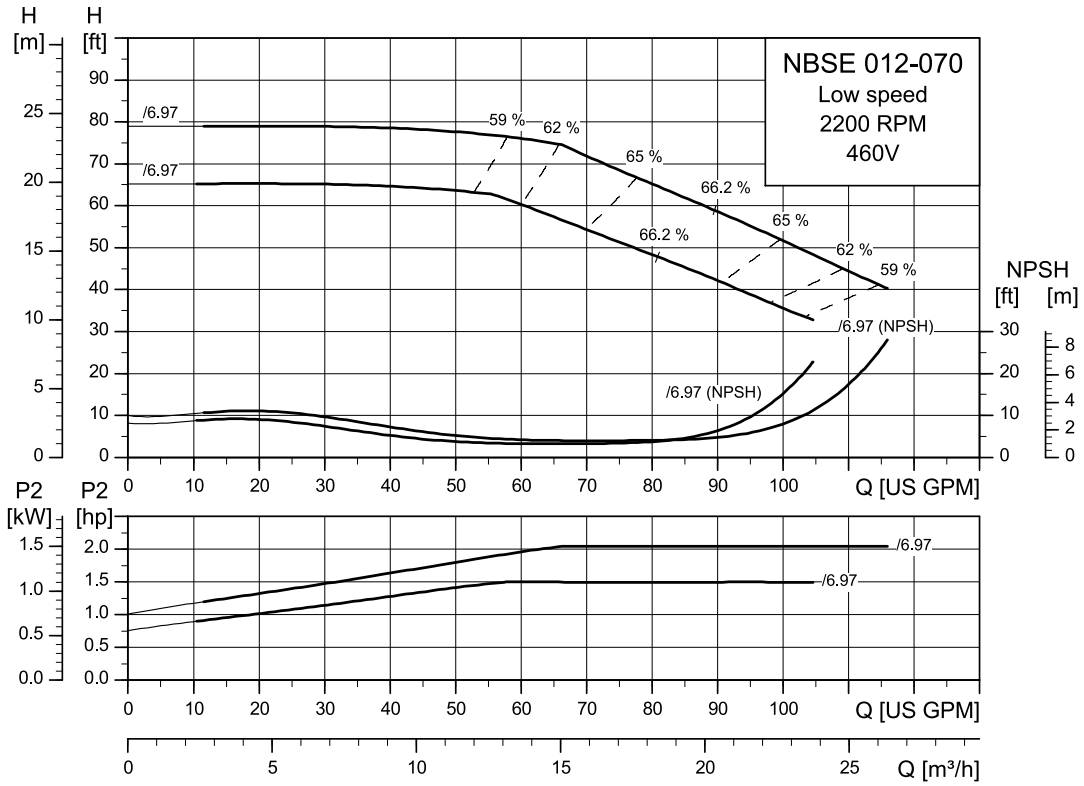
NBSE 050-070



TM087597

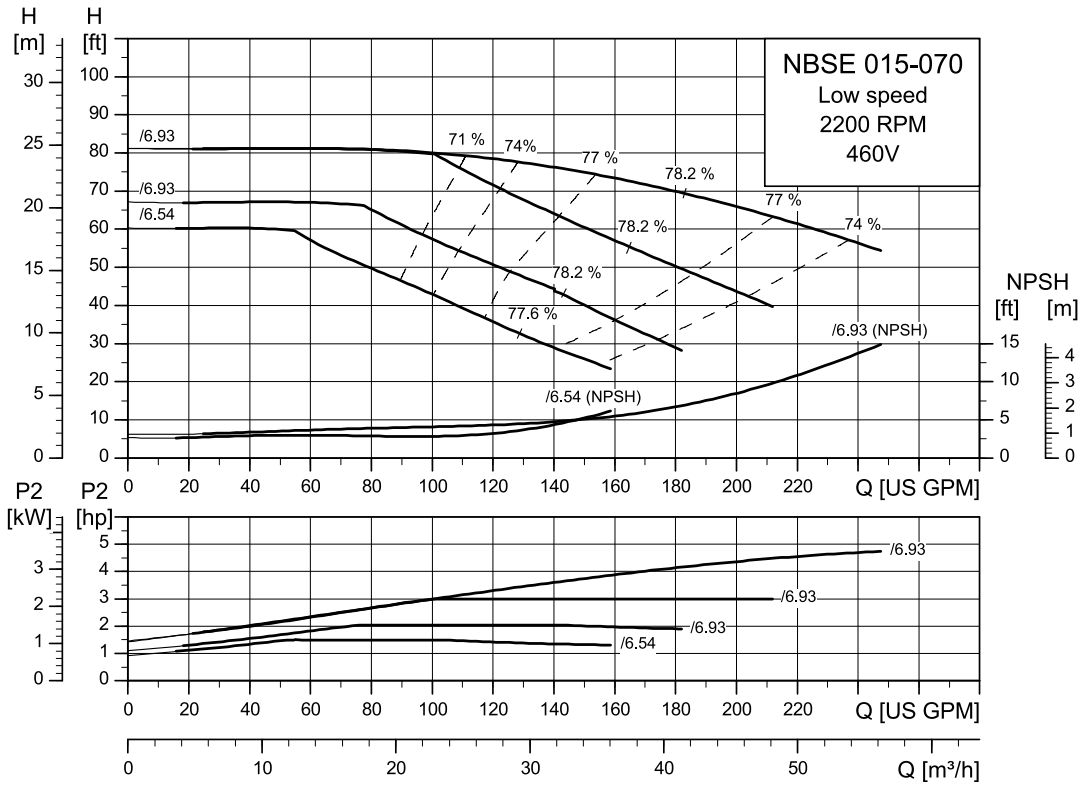
Low speed, 2000/2200 RPM, MLE & CUE 460V

NBSE 012-070



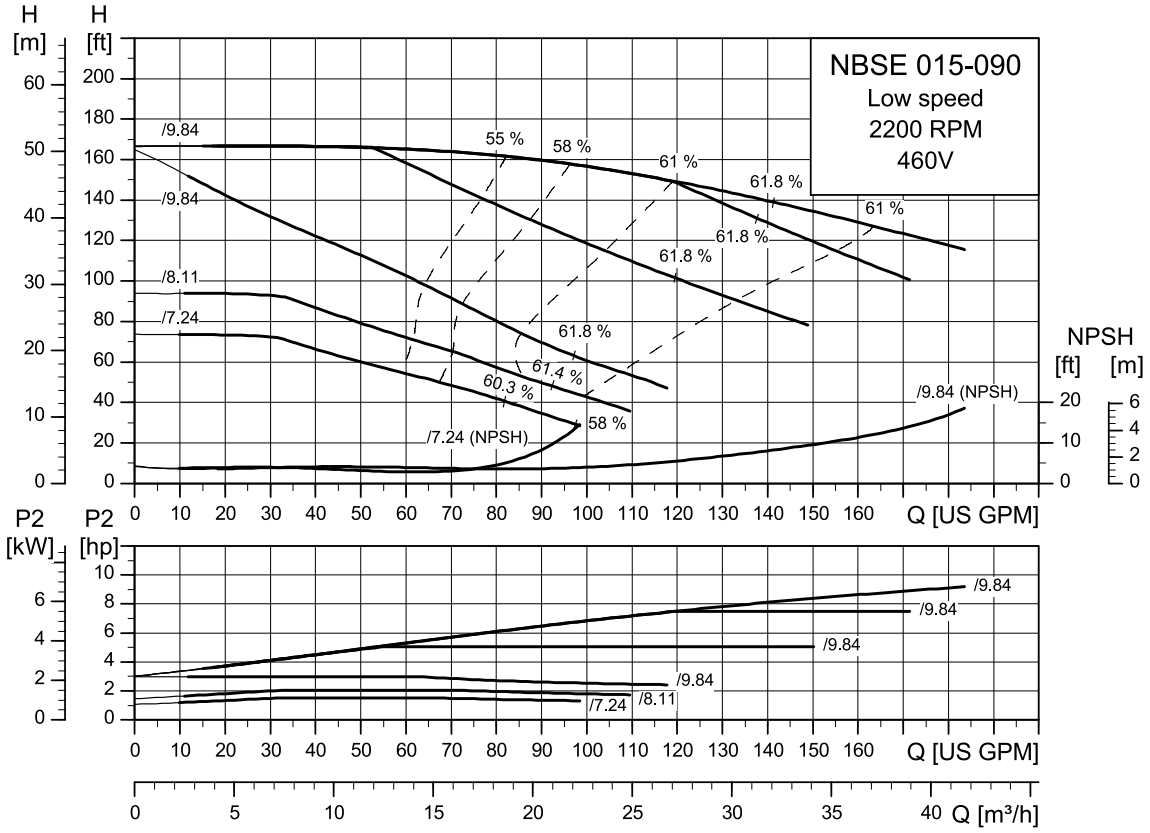
TM087608

NBSE 015-070



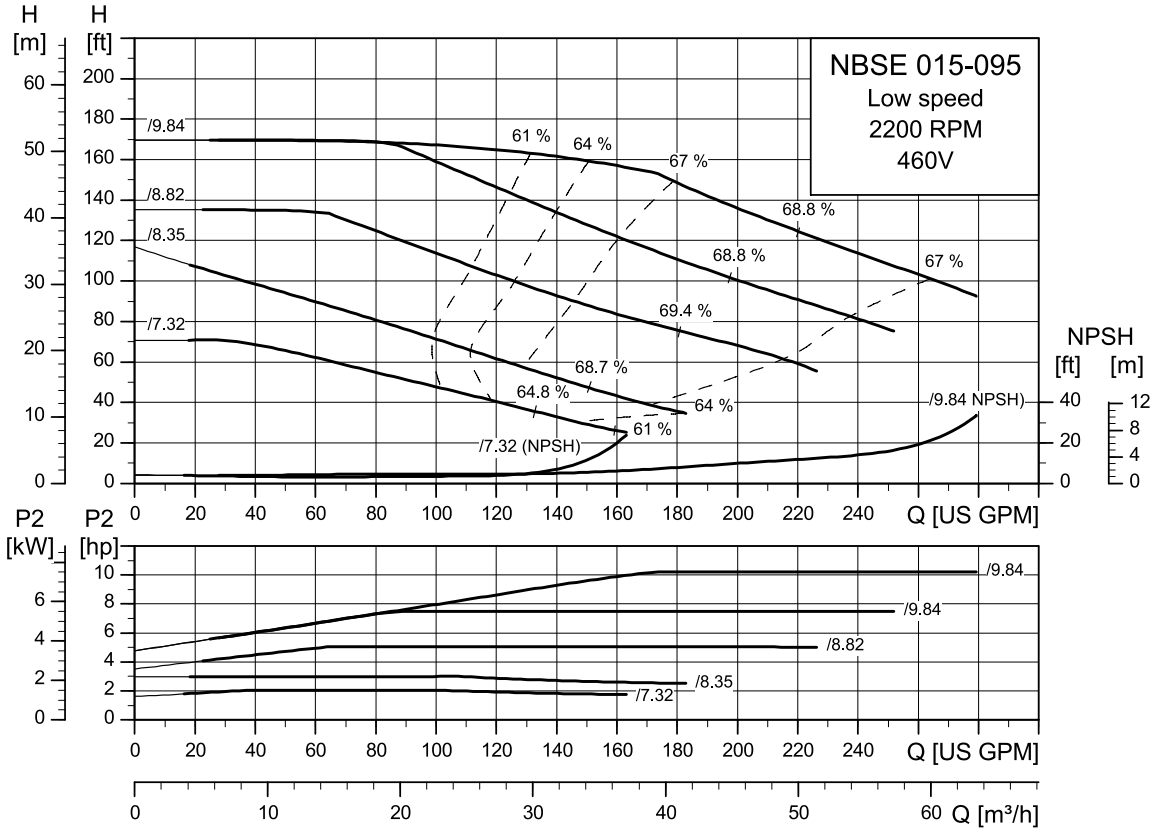
TM080530

NBSE 015-090



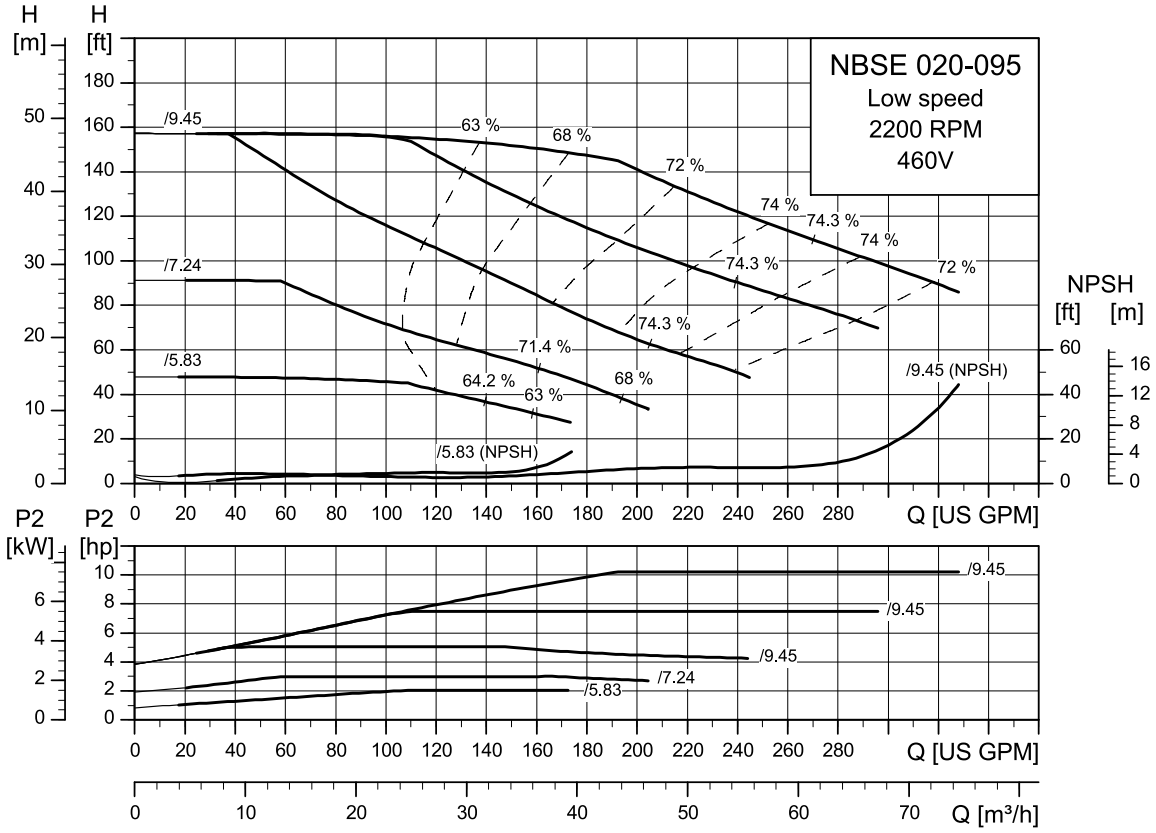
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NBSE 015-095



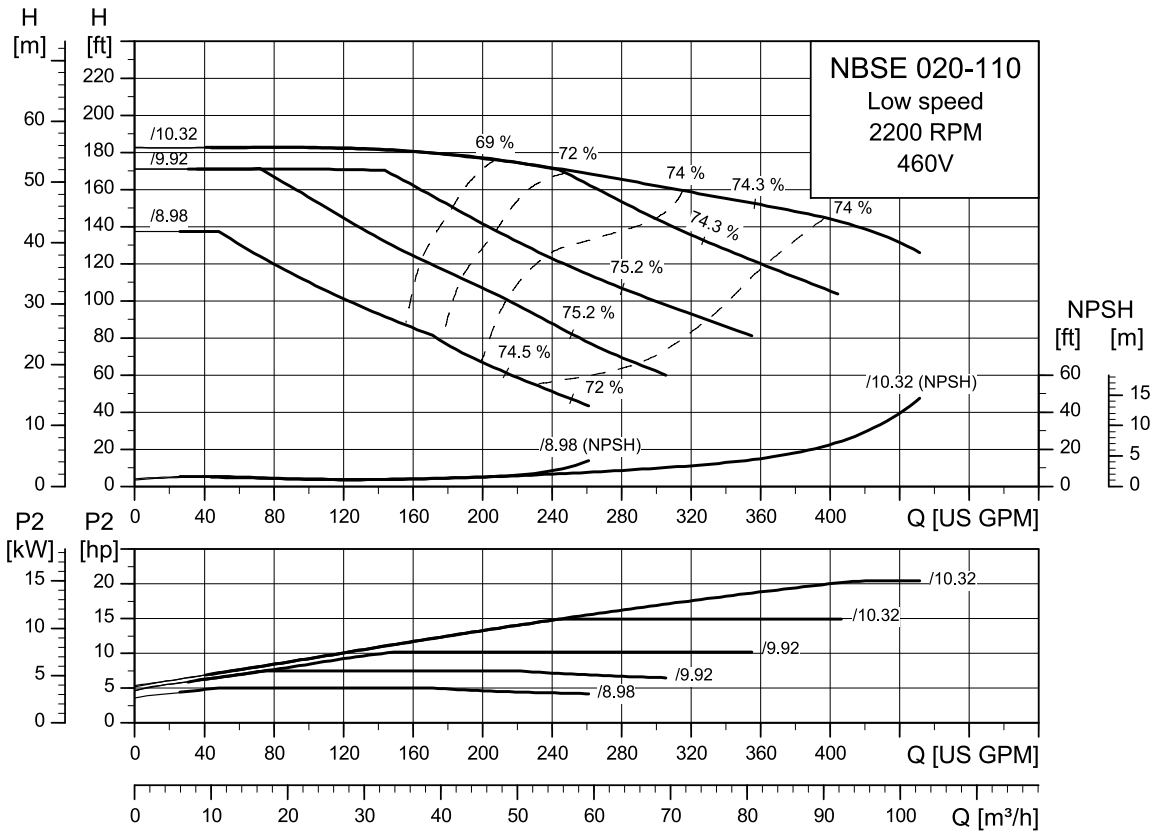
TM080532

NBSE 020-095



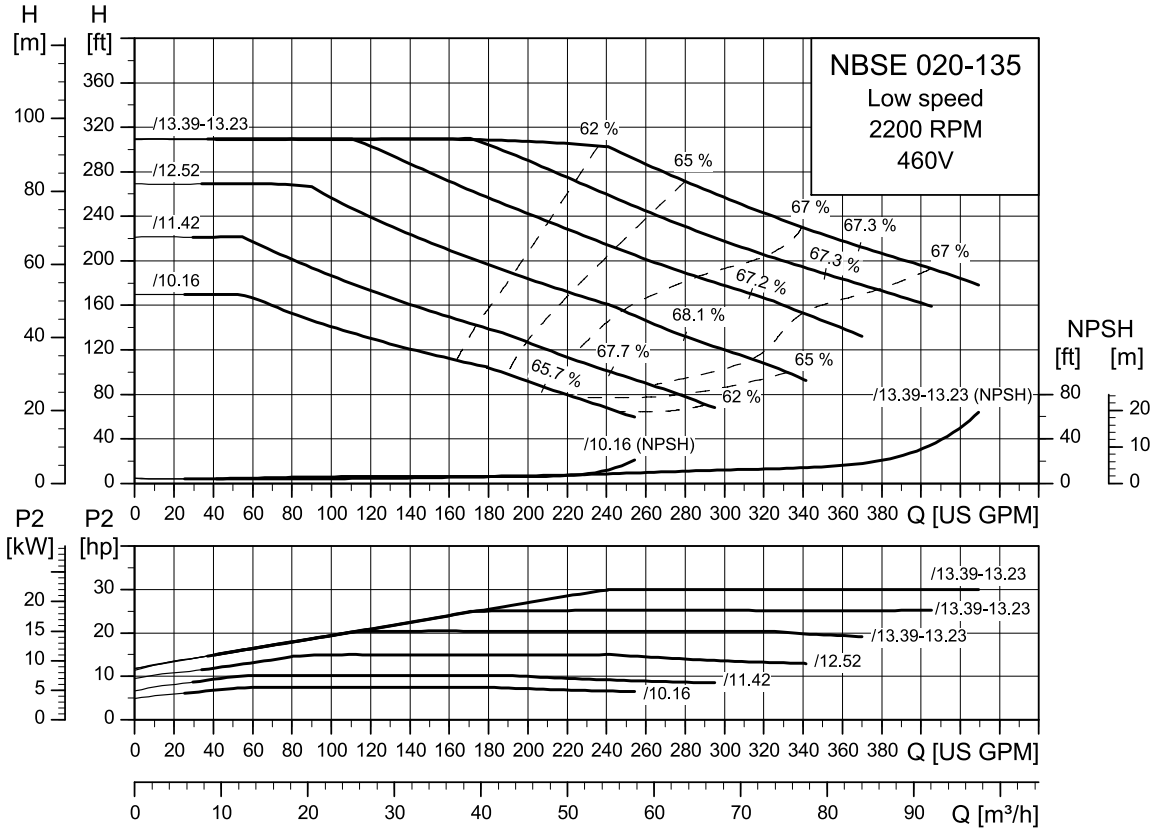
TM080533

NBSE 020-110



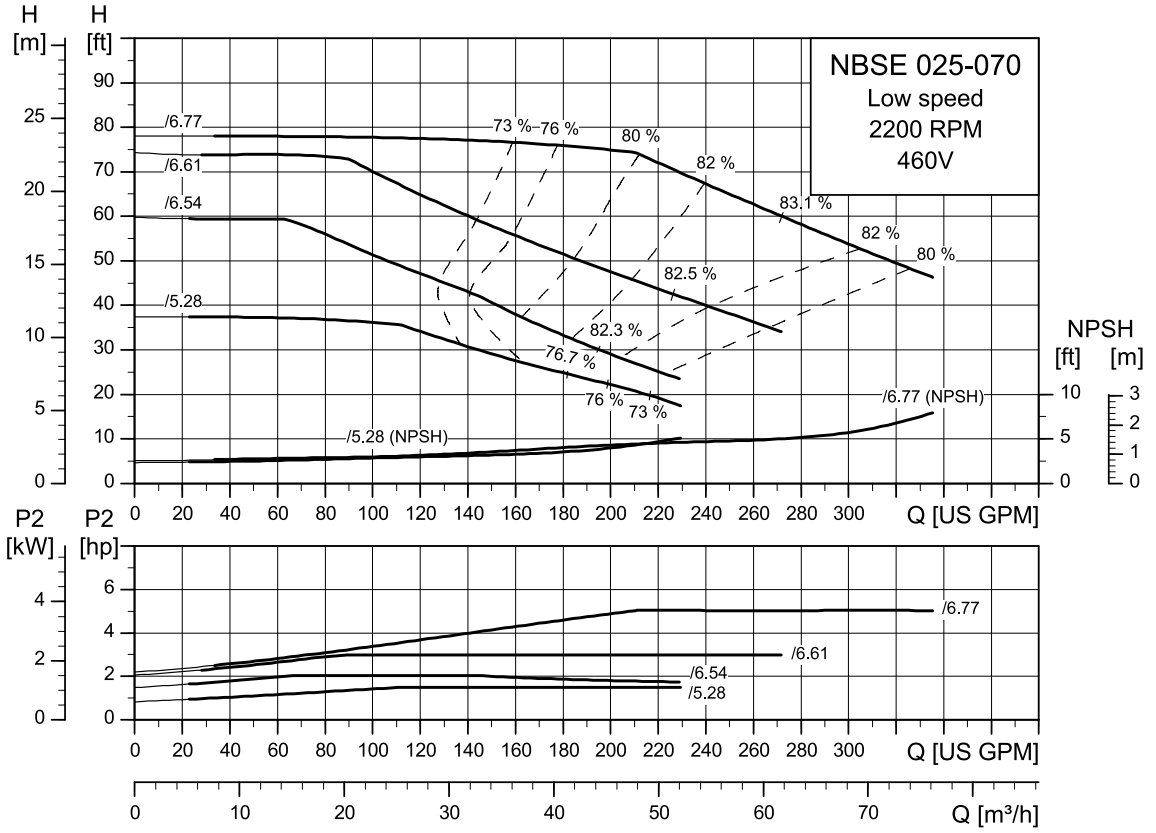
TM080534

NBSE 020-135



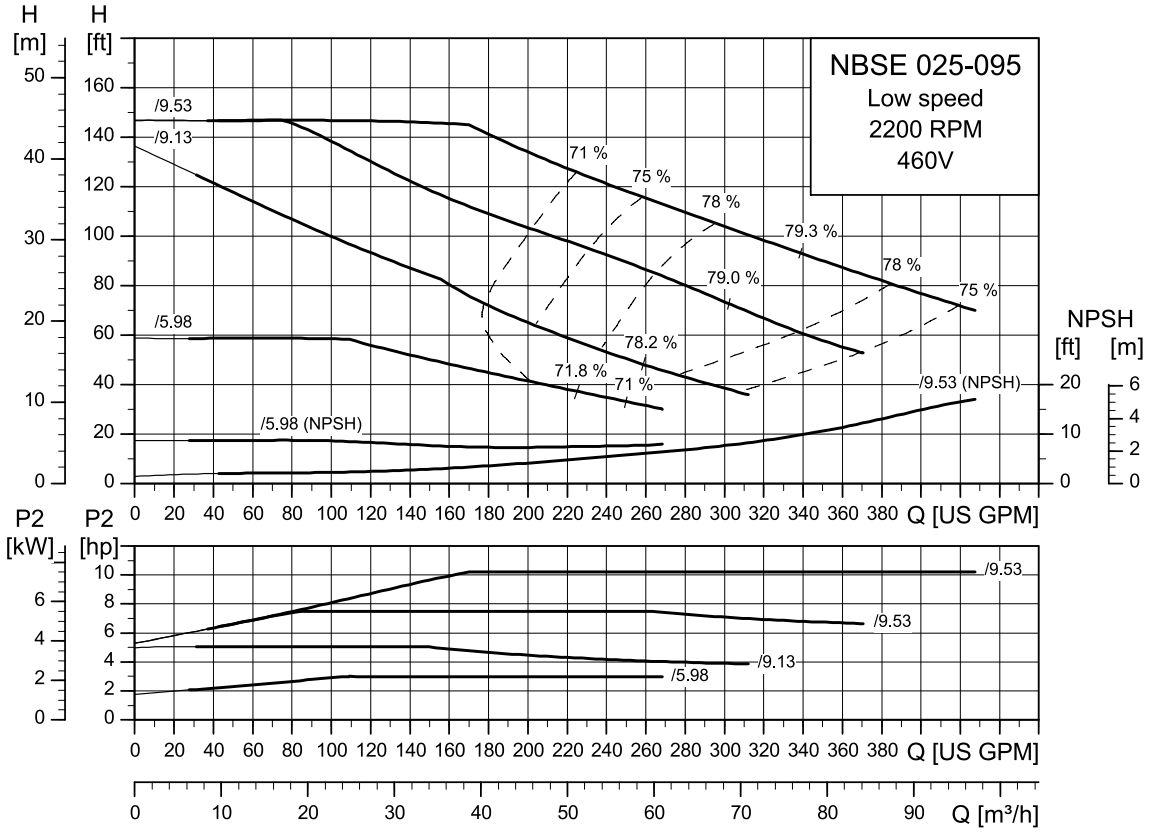
TM087612

NBSE 025-070



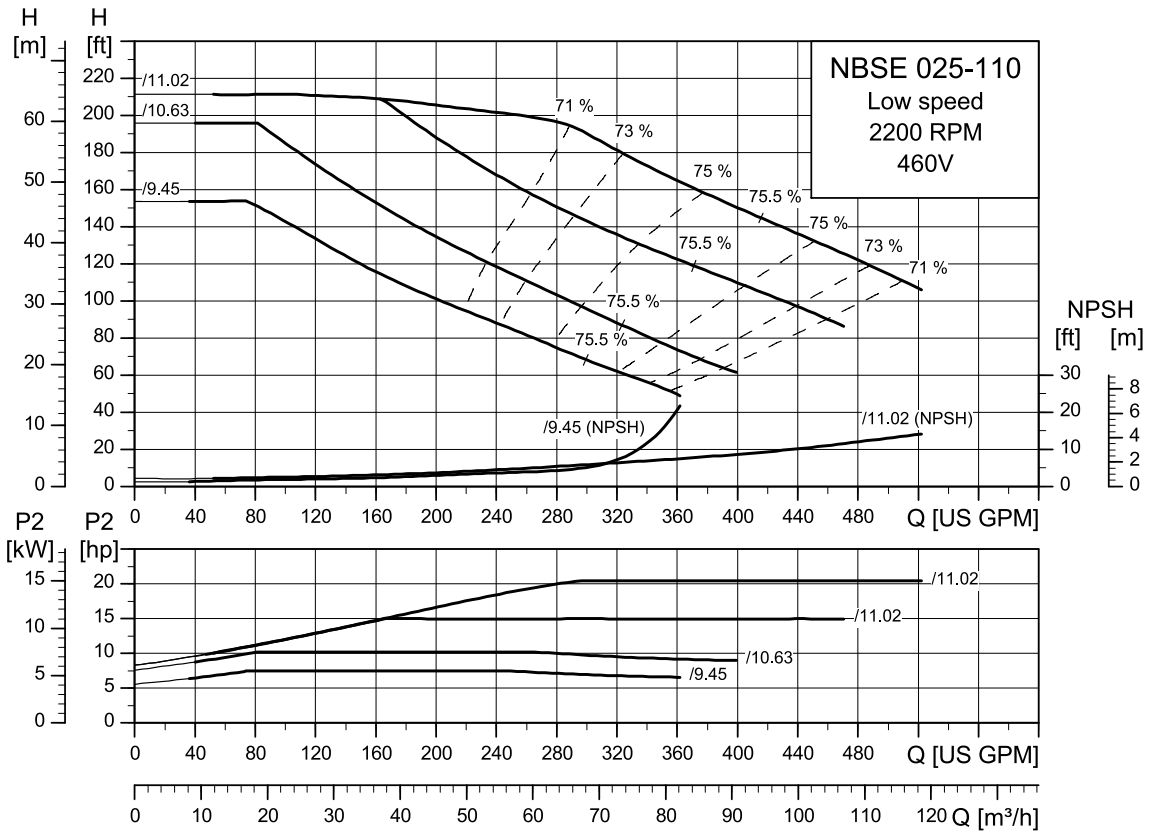
TM080535

NBSE 025-095



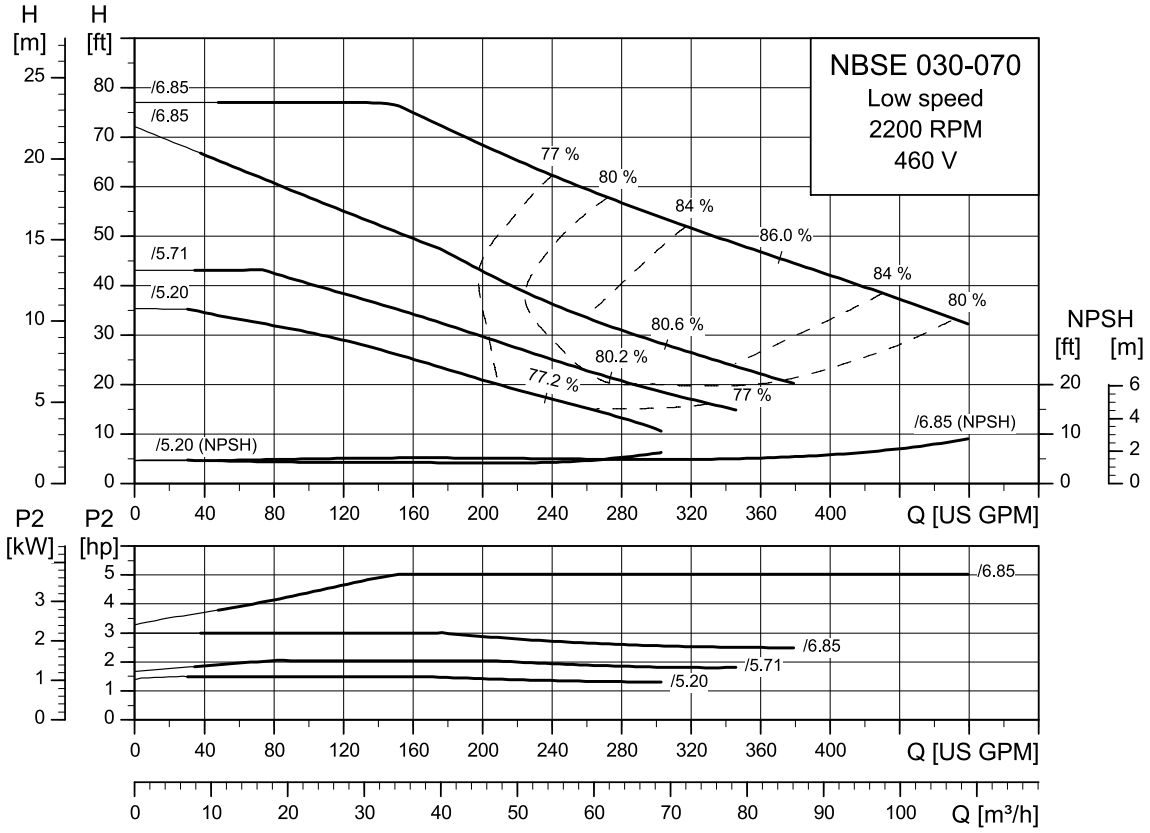
TM080536

NBSE 025-110



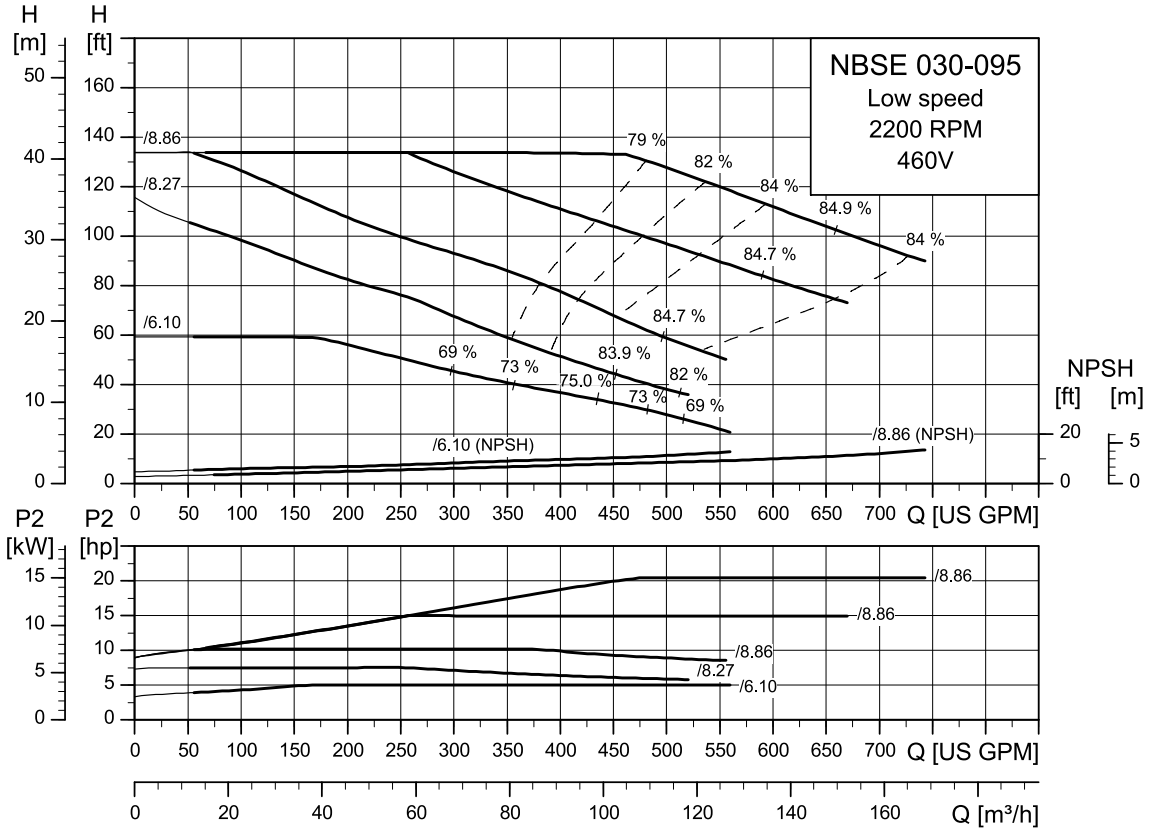
TM087609

NBSE 030-070



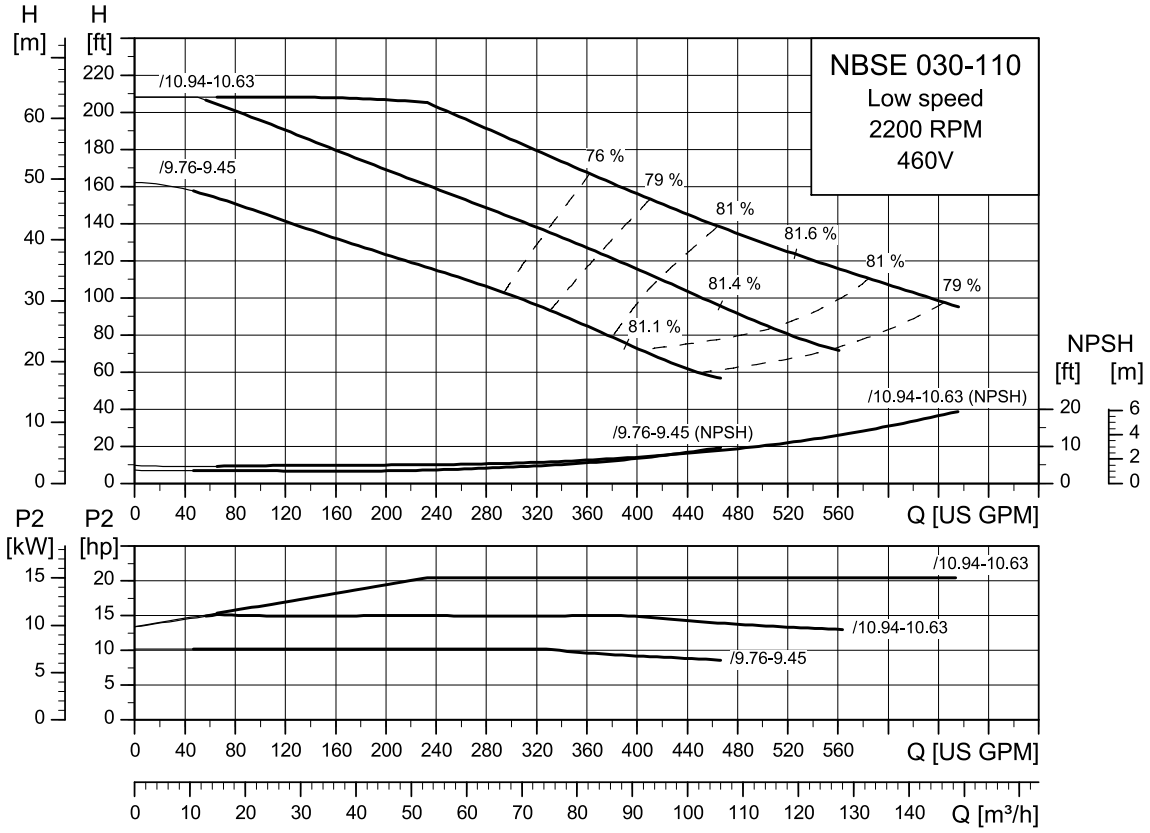
TM080537

NBSE 030-095



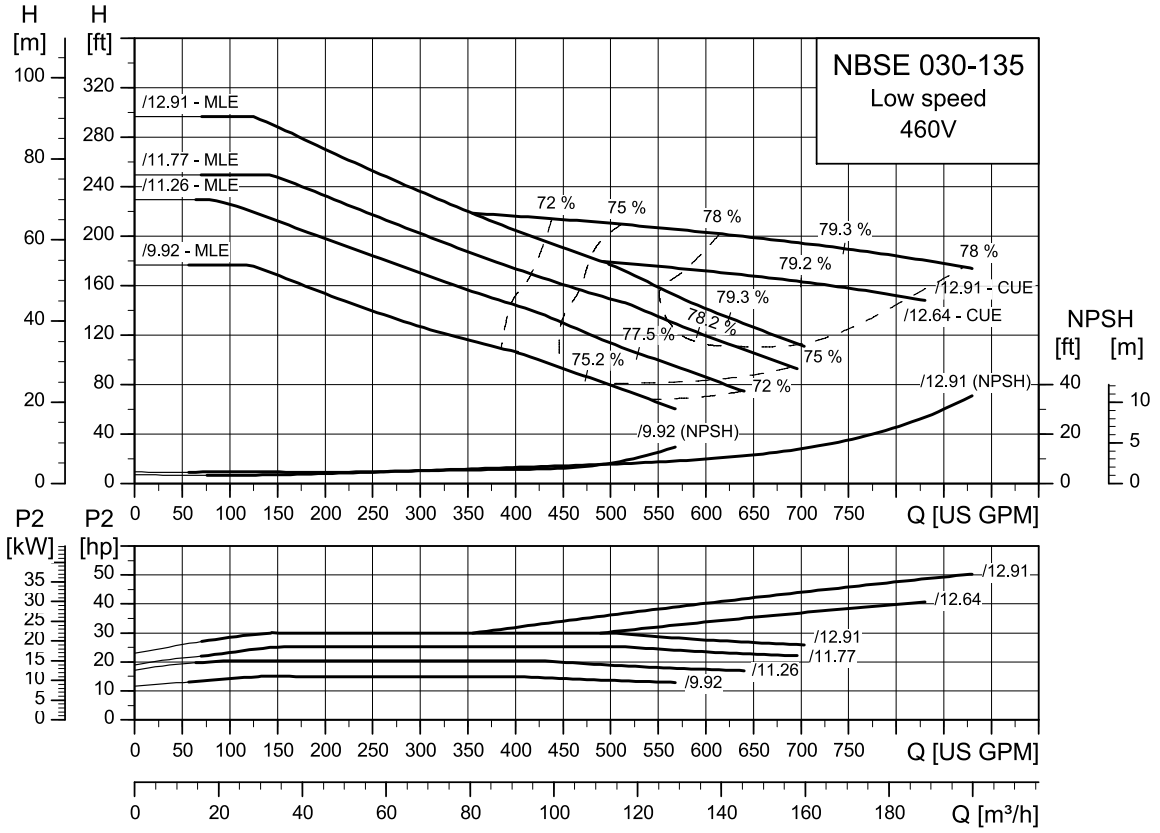
TM080538

NBSE 030-110



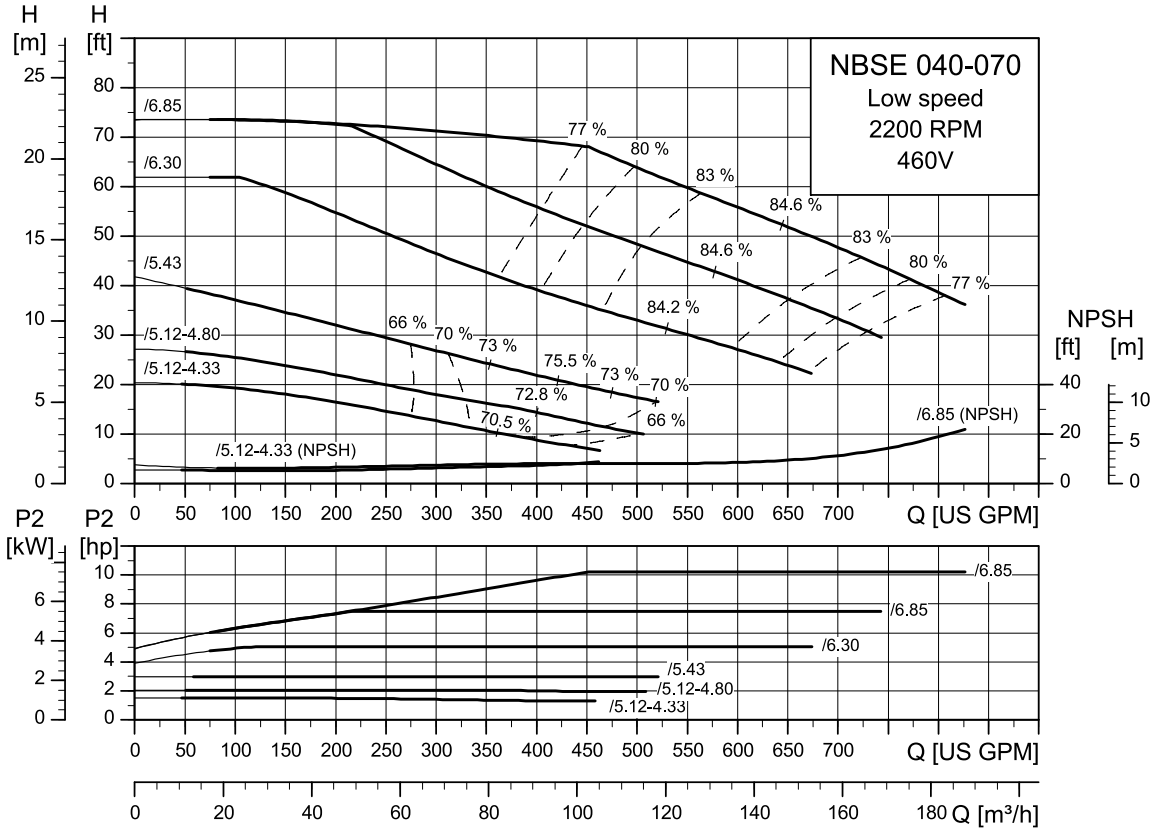
TM087610

NBSE 030-135



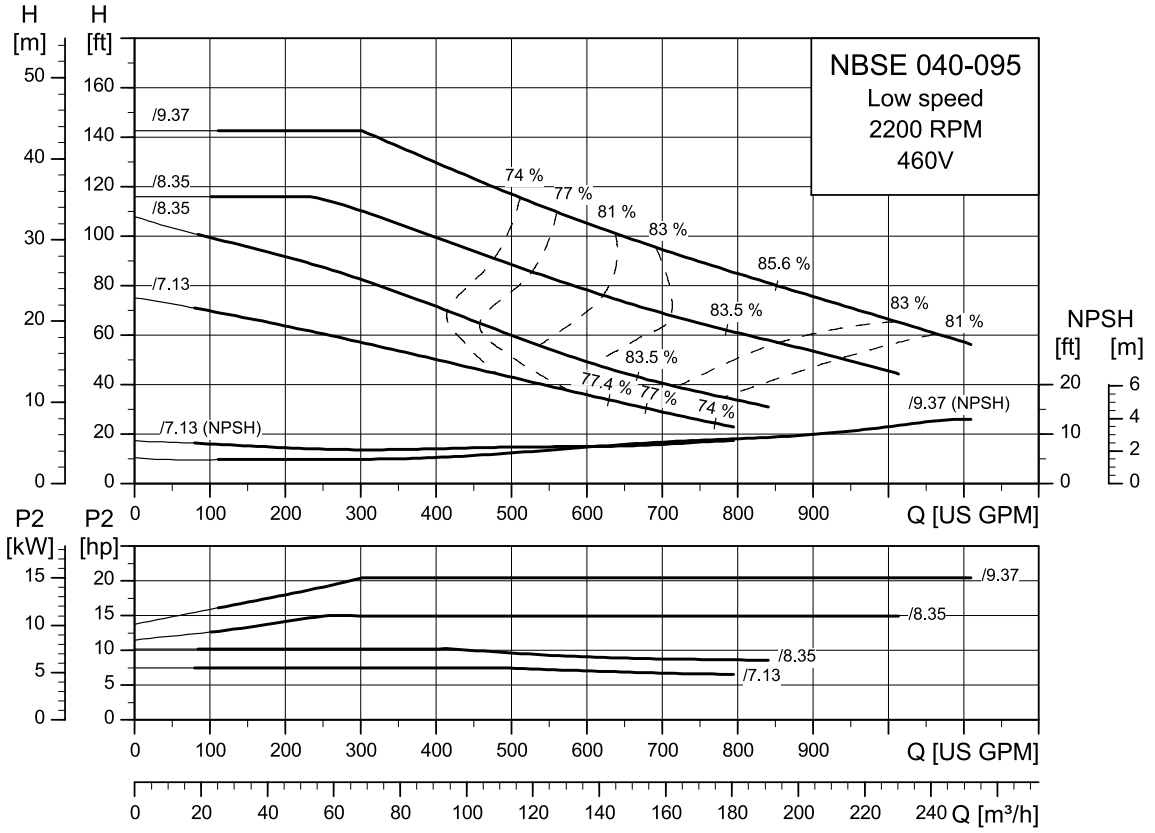
TM087613

NBSE 040-070



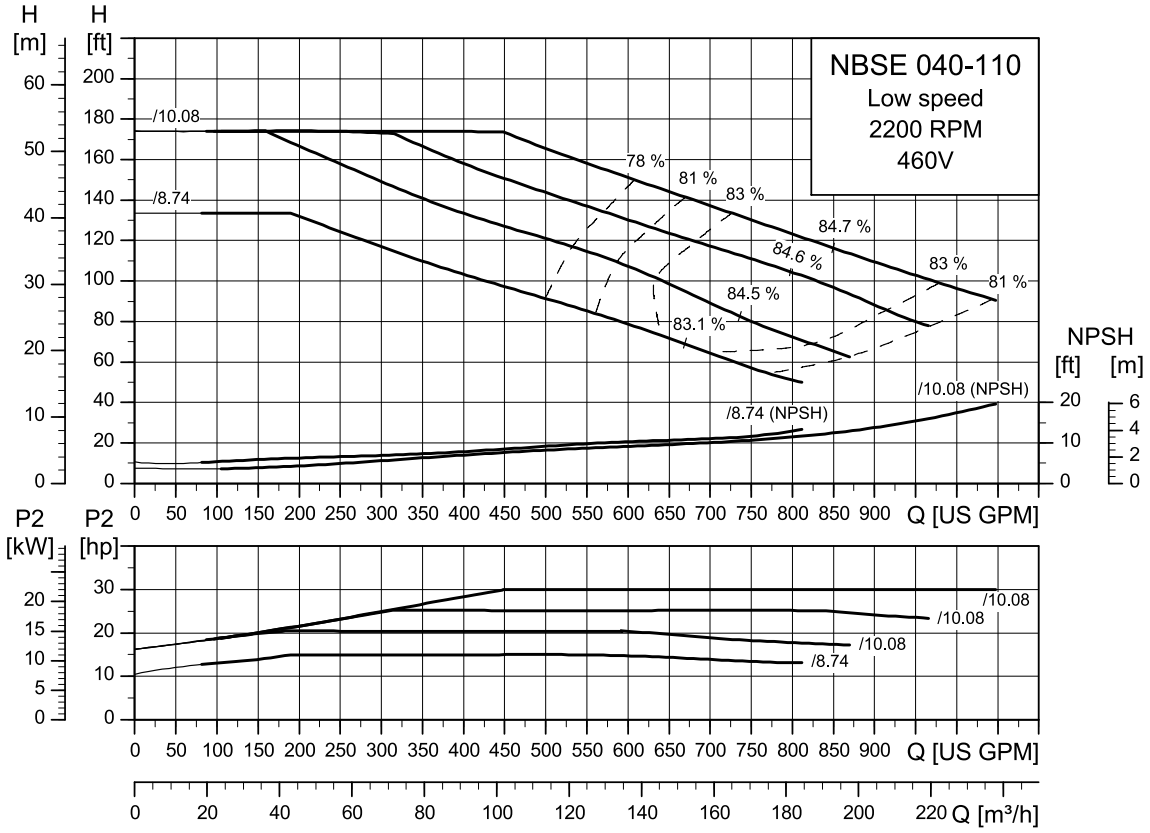
TM080539

NBSE 040-095



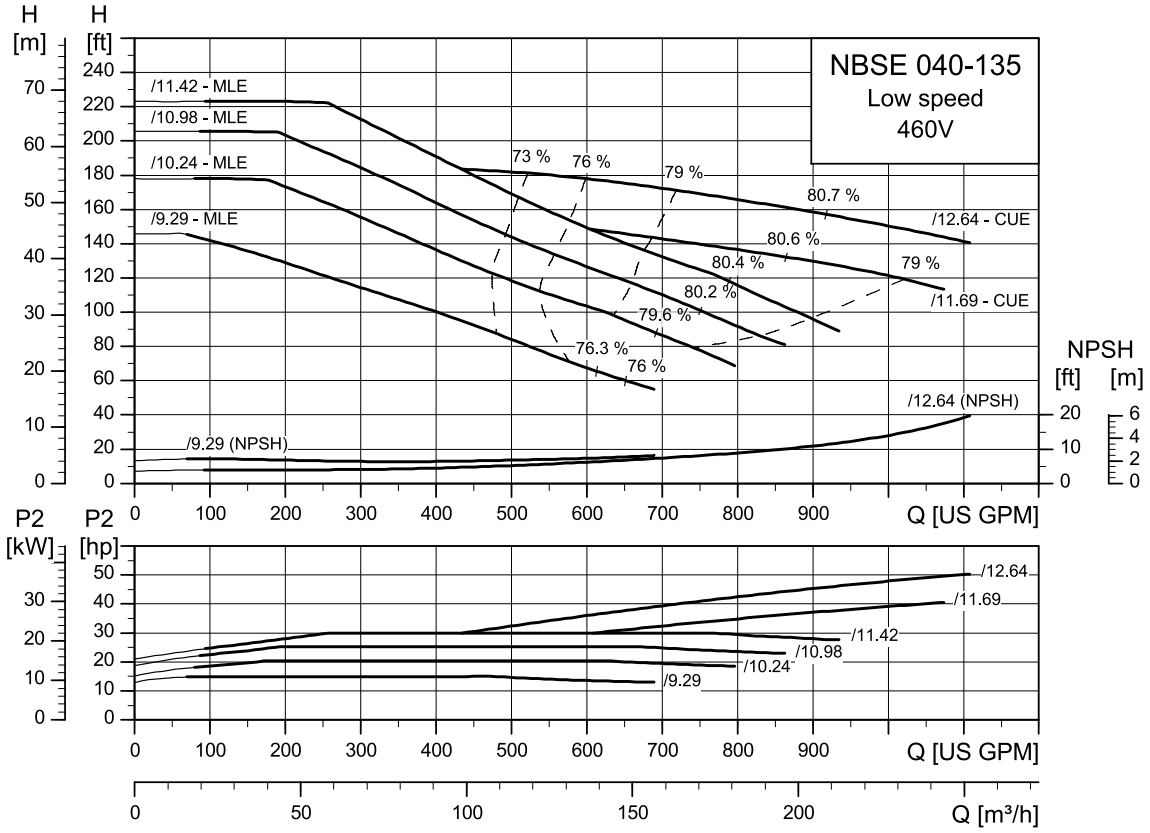
TM087614

NBSE 040-110



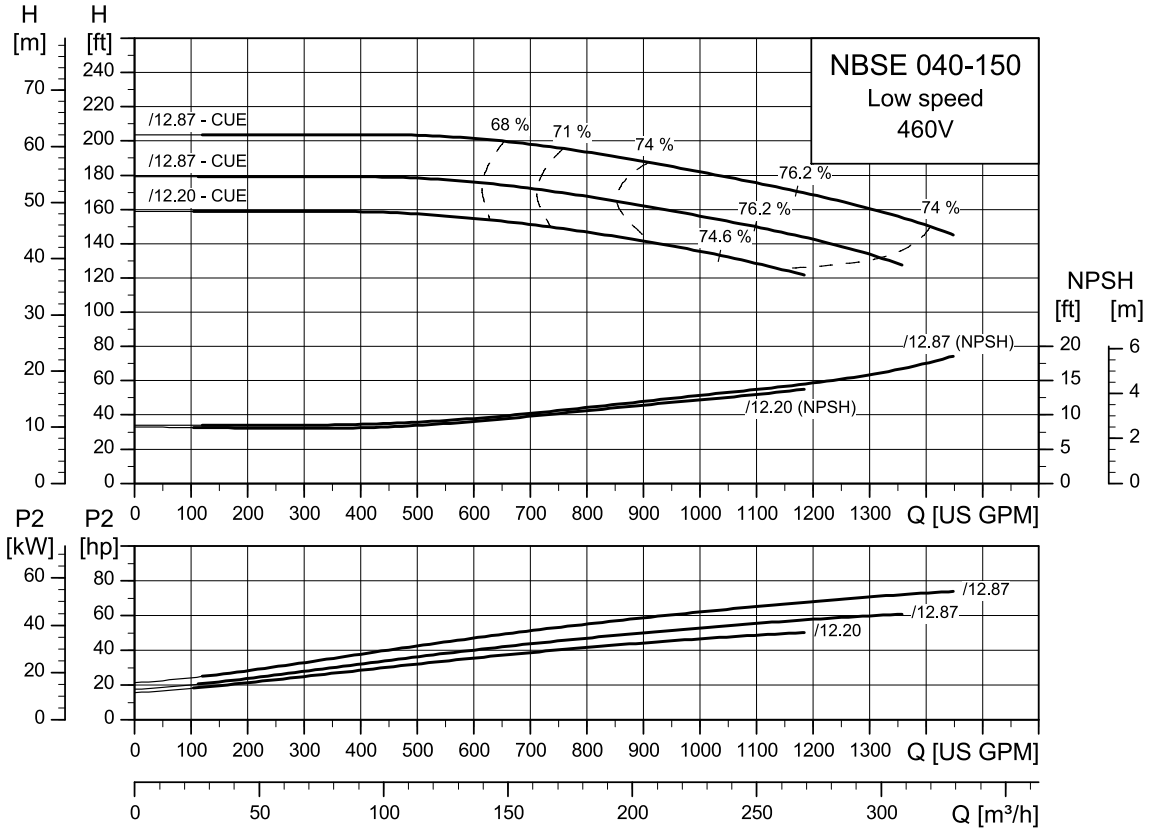
TM087611

NBSE 040-135



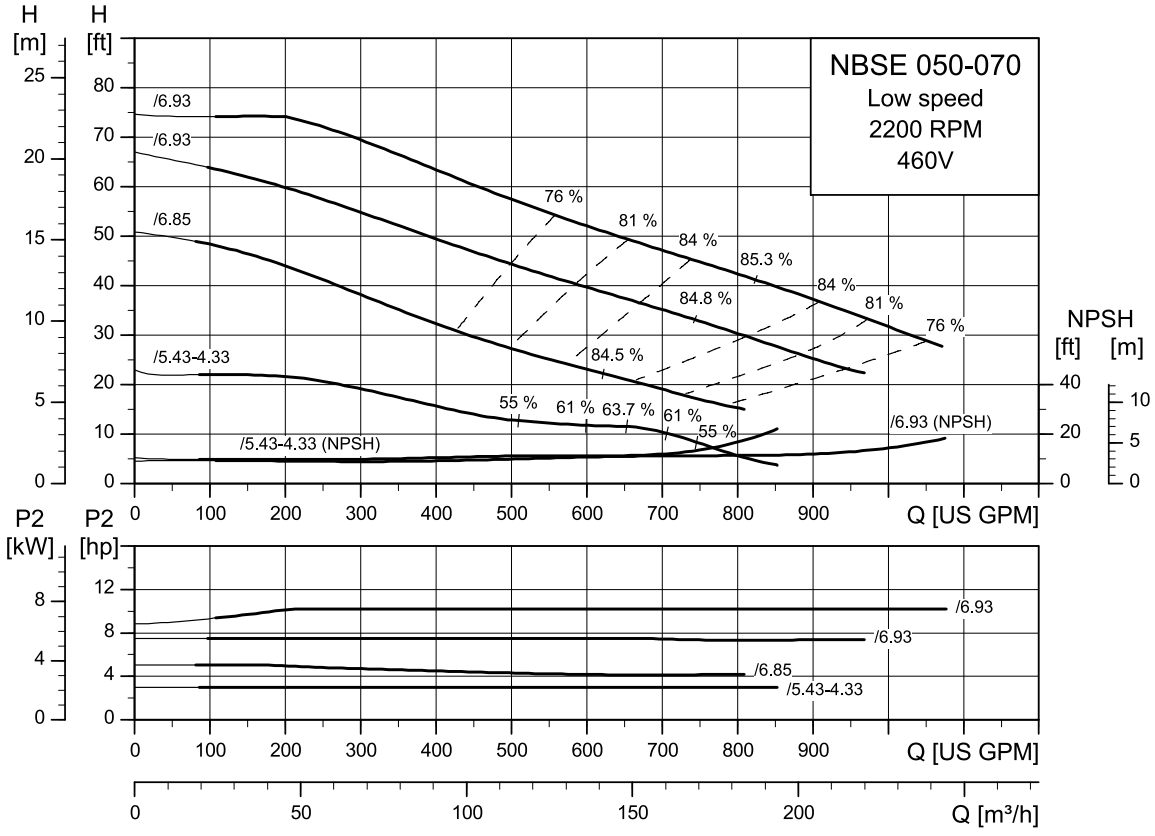
TM087615

NBSE 040-150



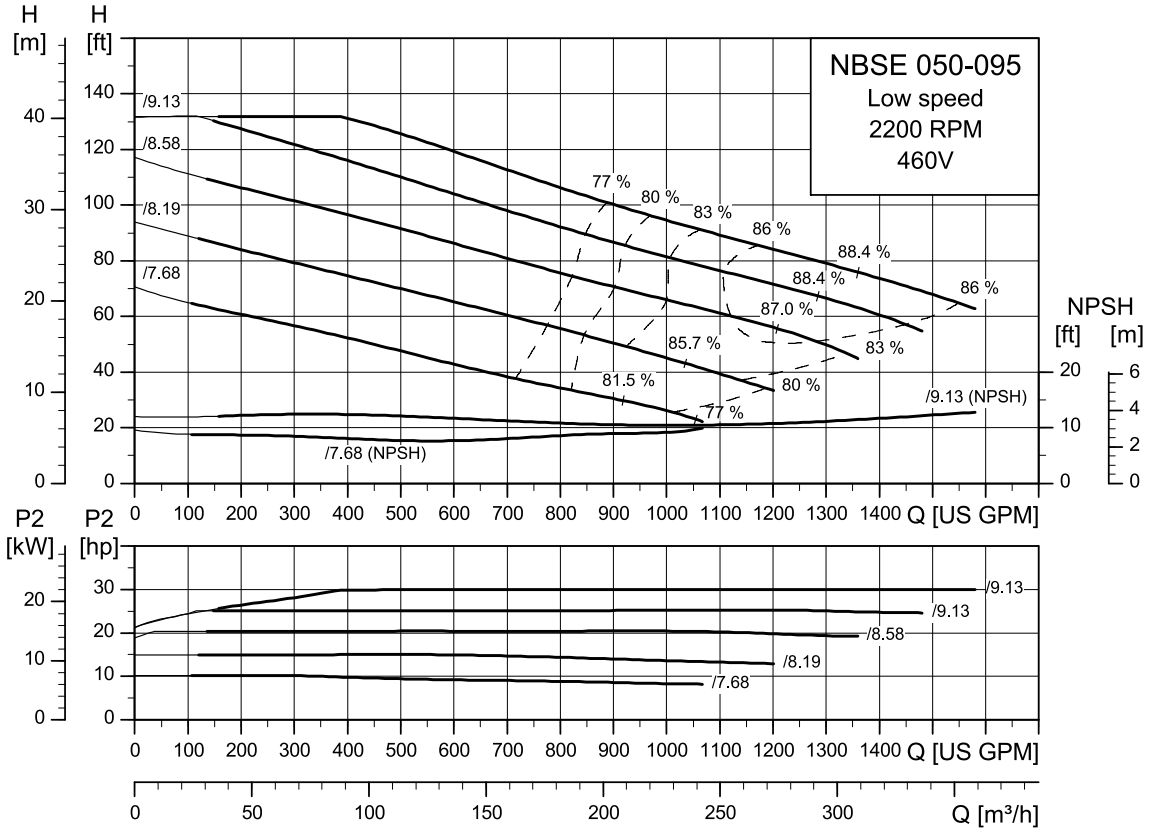
TM088435

NBSE 050-070



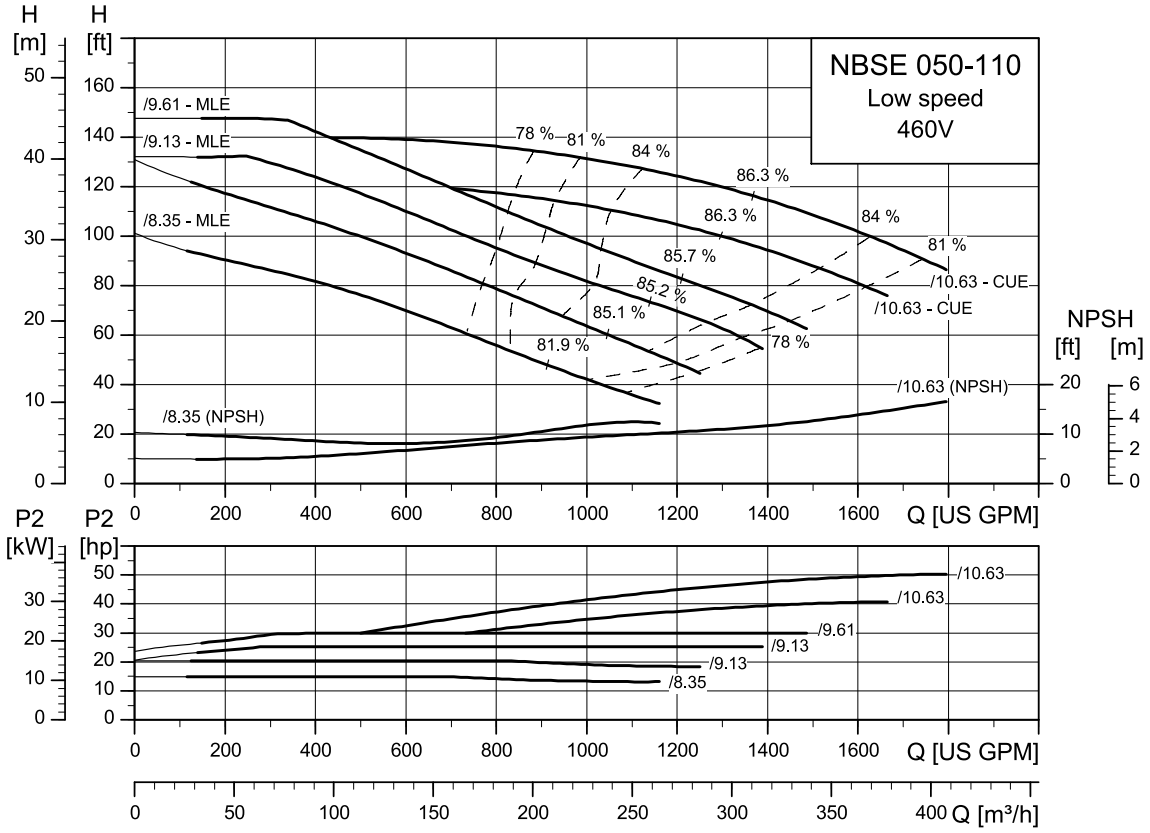
TM080540

NBSE 050-095



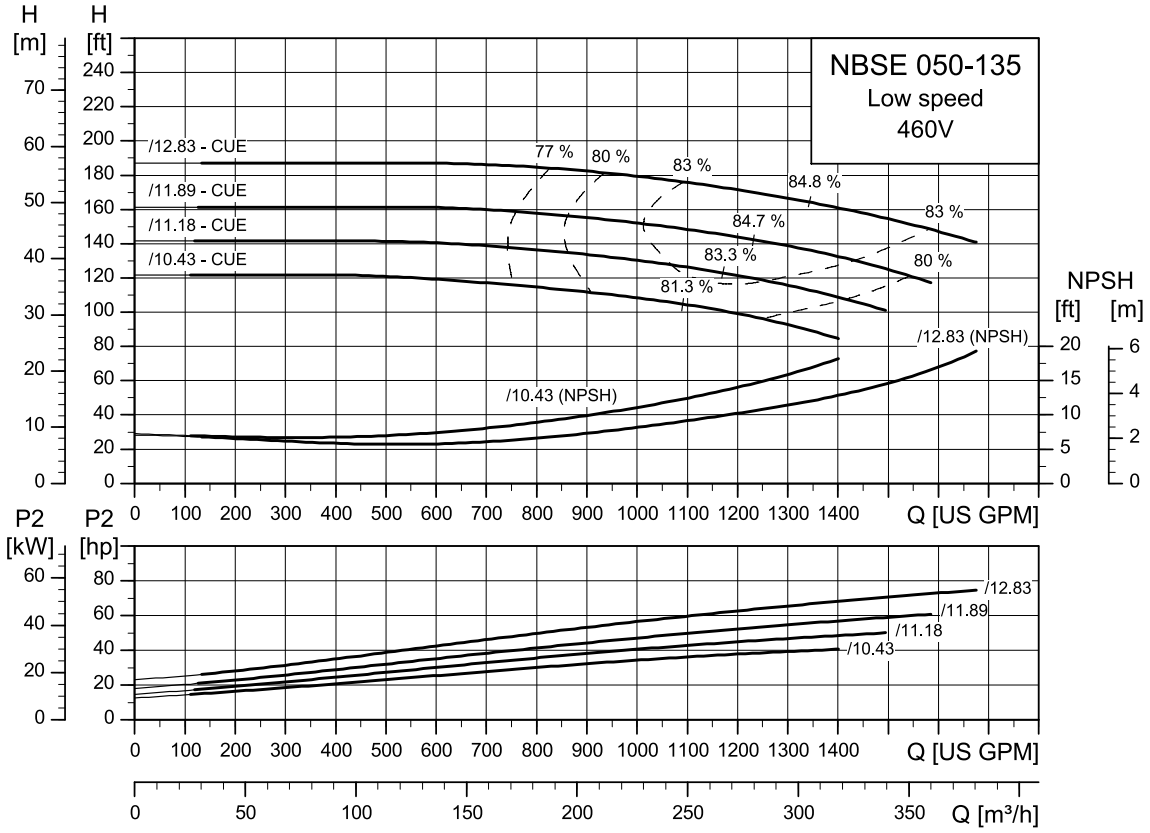
TM080541

NBSE 050-110



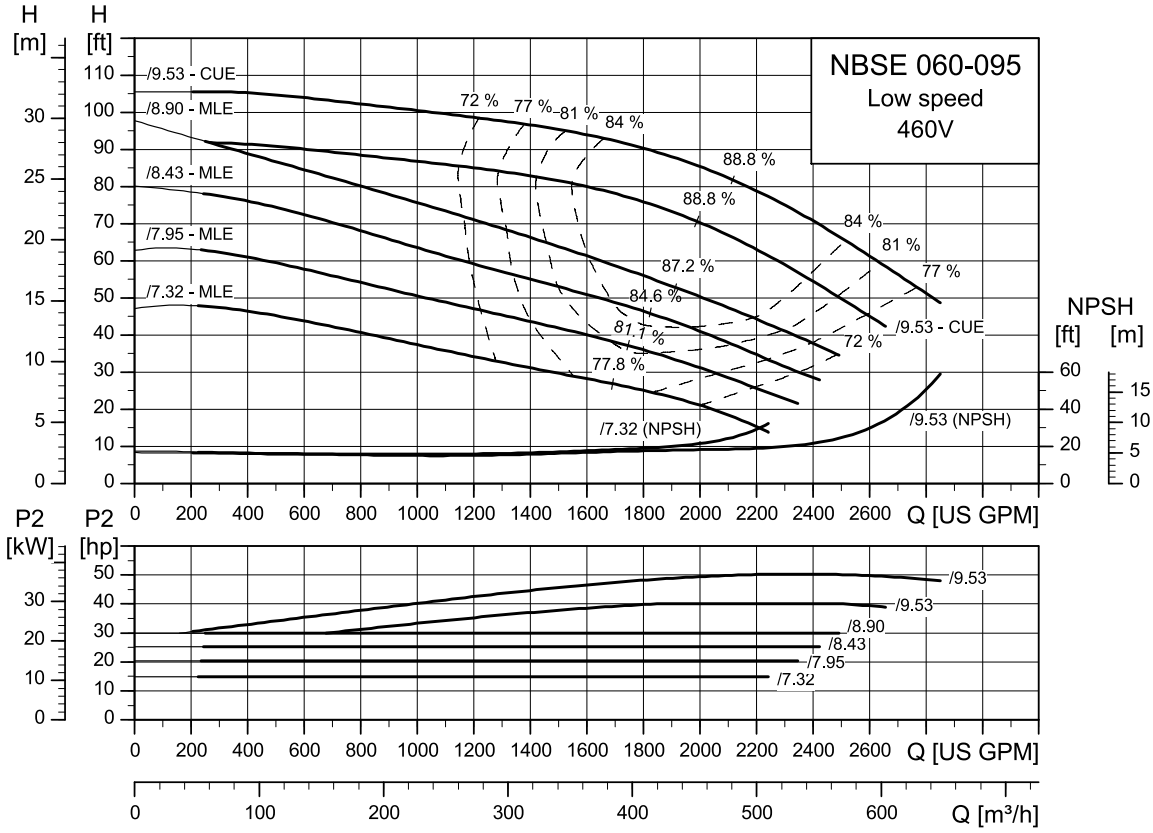
TM087616

NBSE 050-135



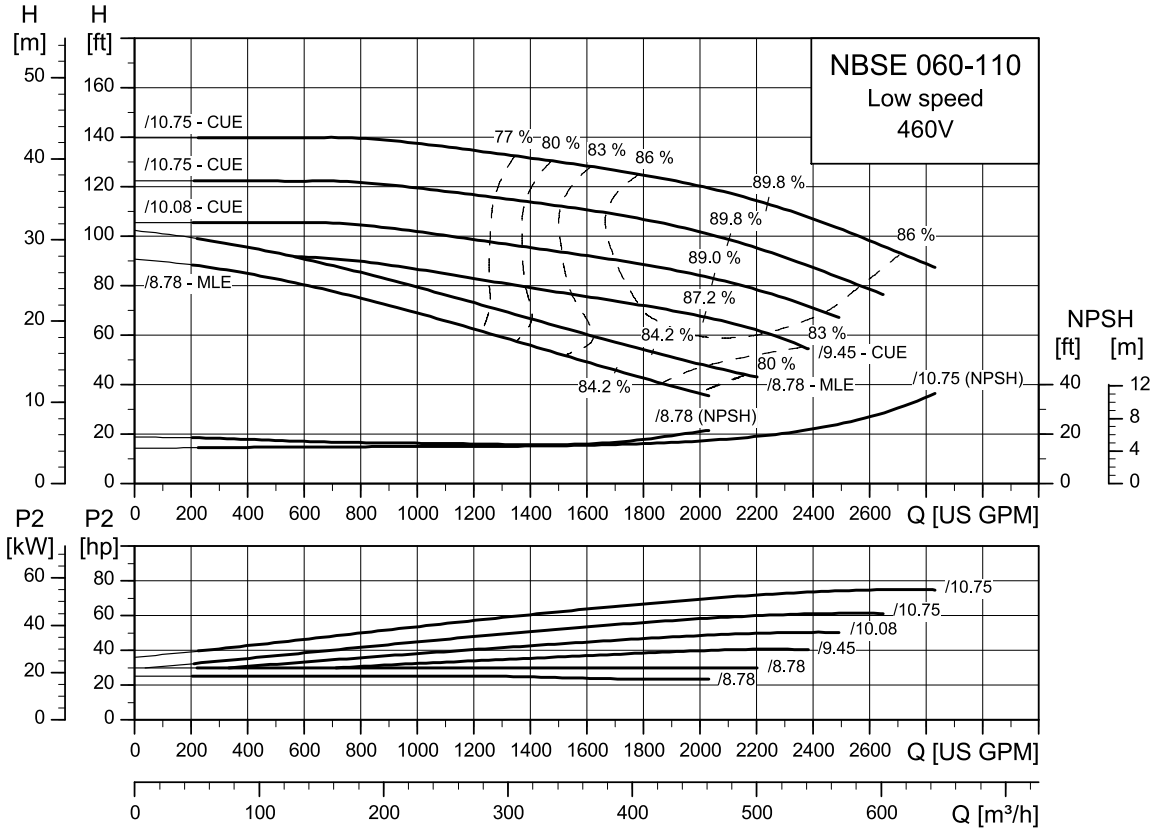
TM088437

NBSE 060-095



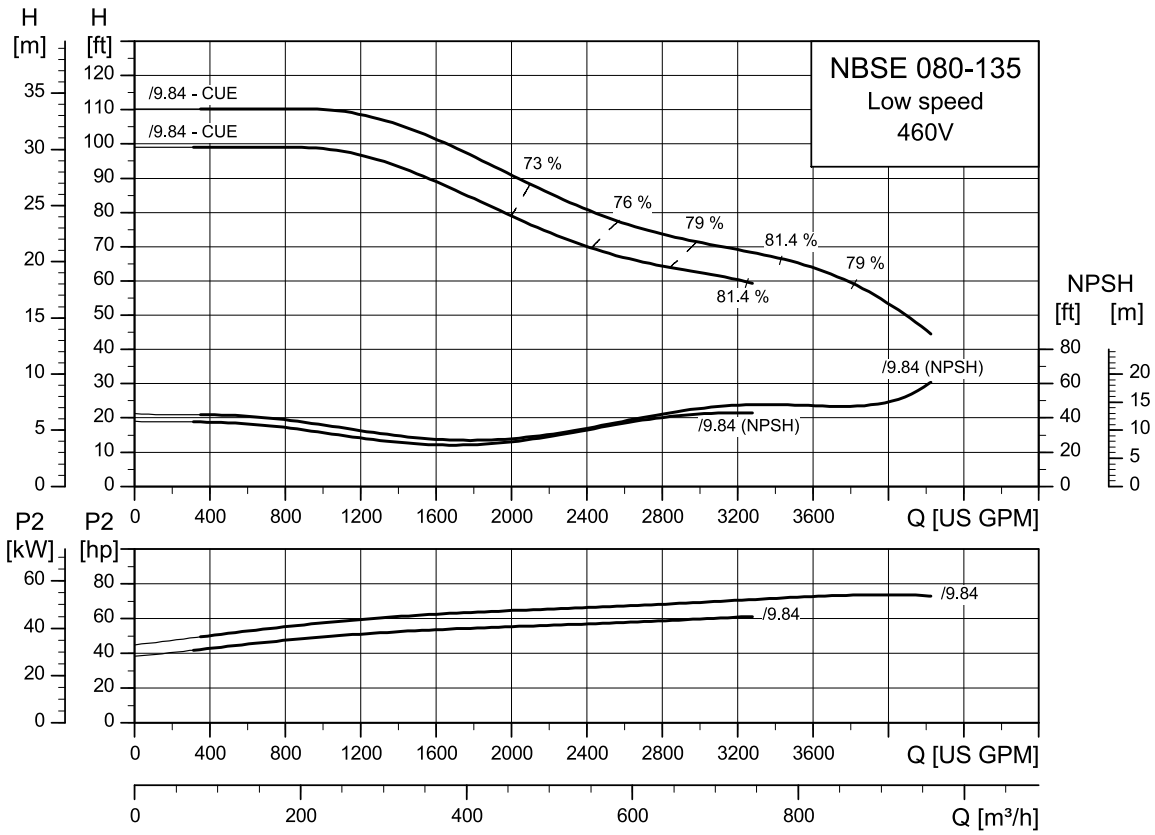
TM087617

NBSE 060-110



TM087618

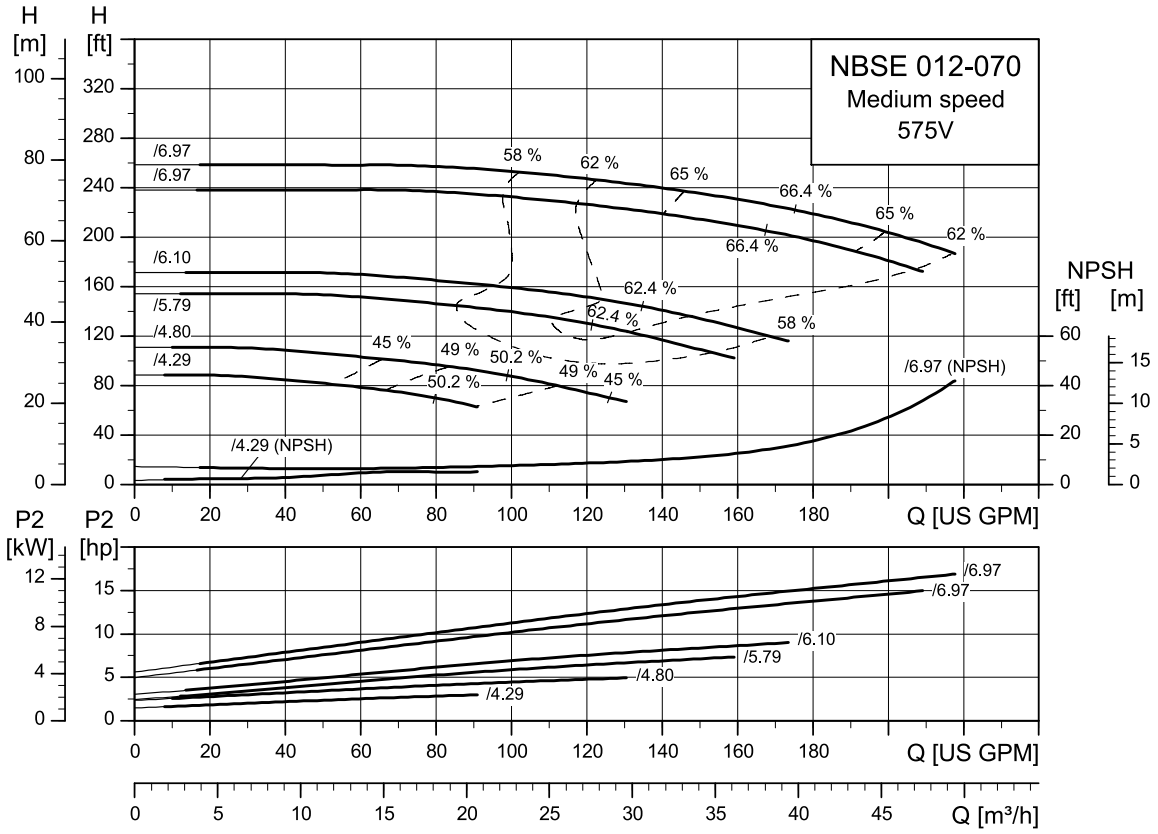
NBSE 080-135



TM088439

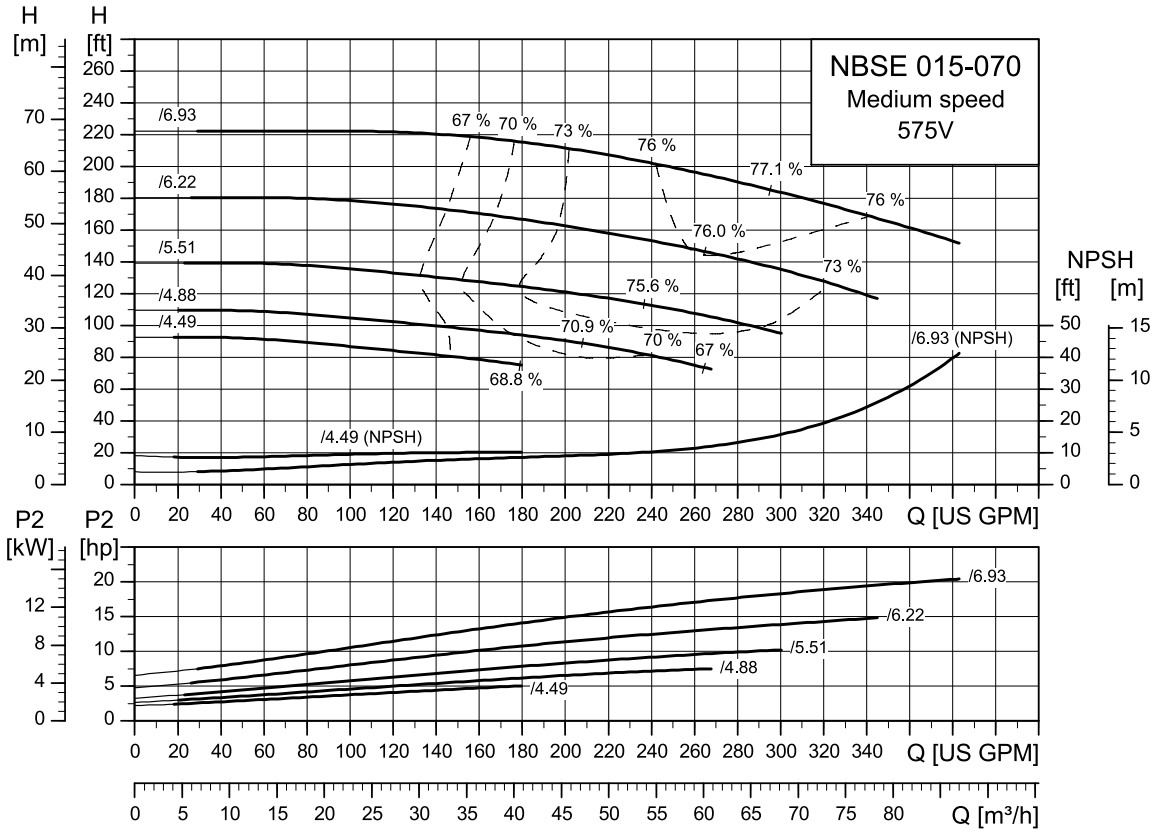
Medium speed, 4000 RPM, CUE 575V

NBSE 012-070



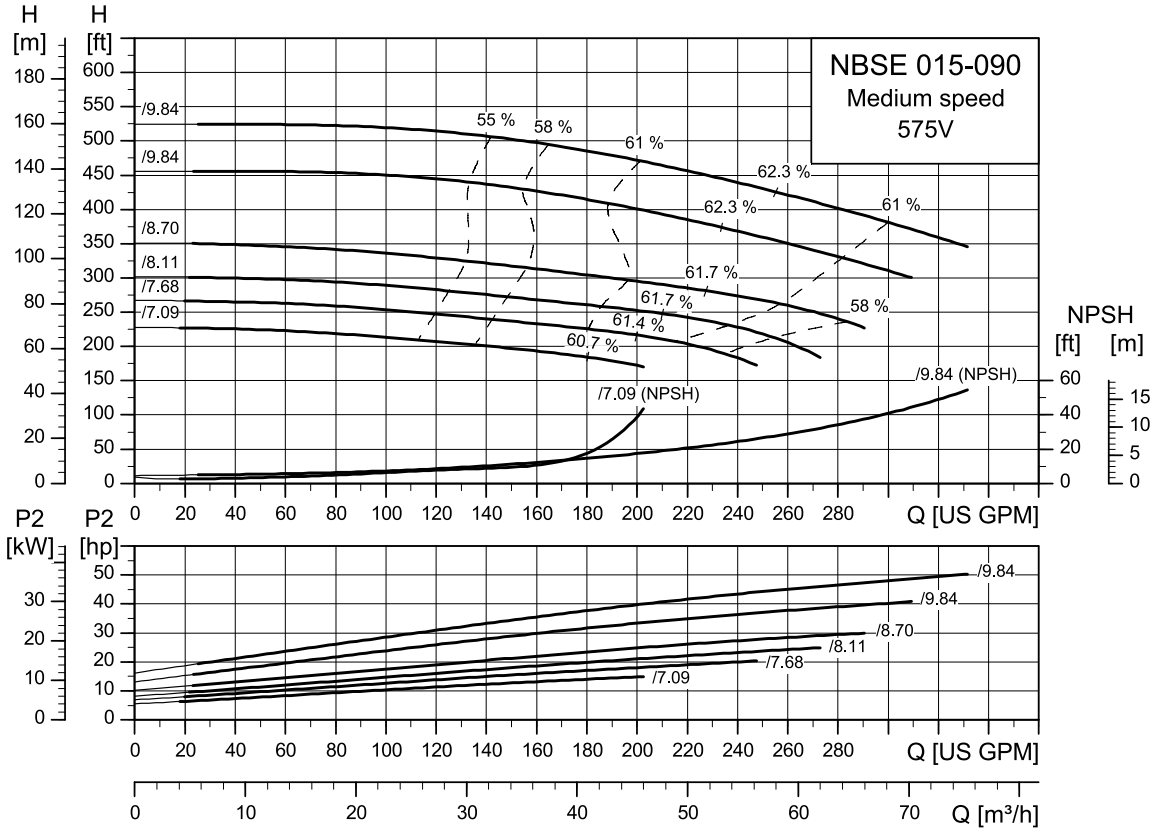
TM089176

NBSE 015-070



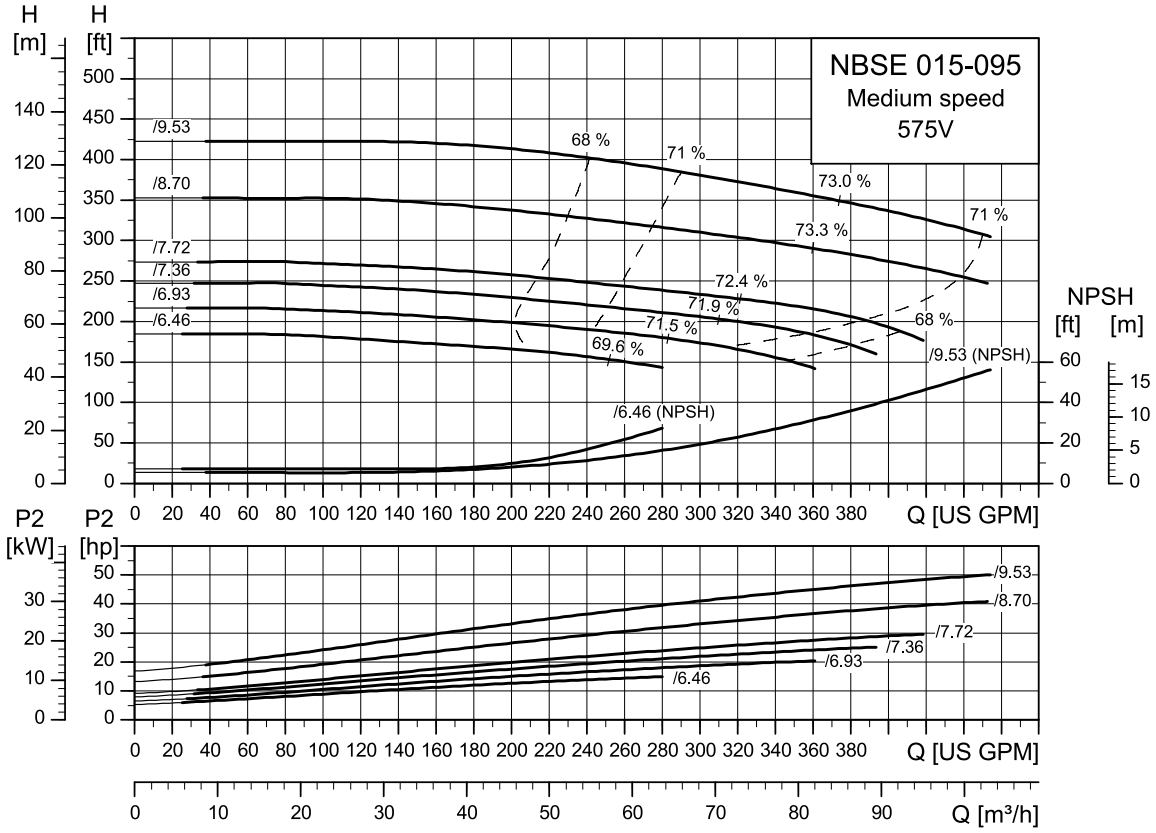
TM089177

NBSE 015-090



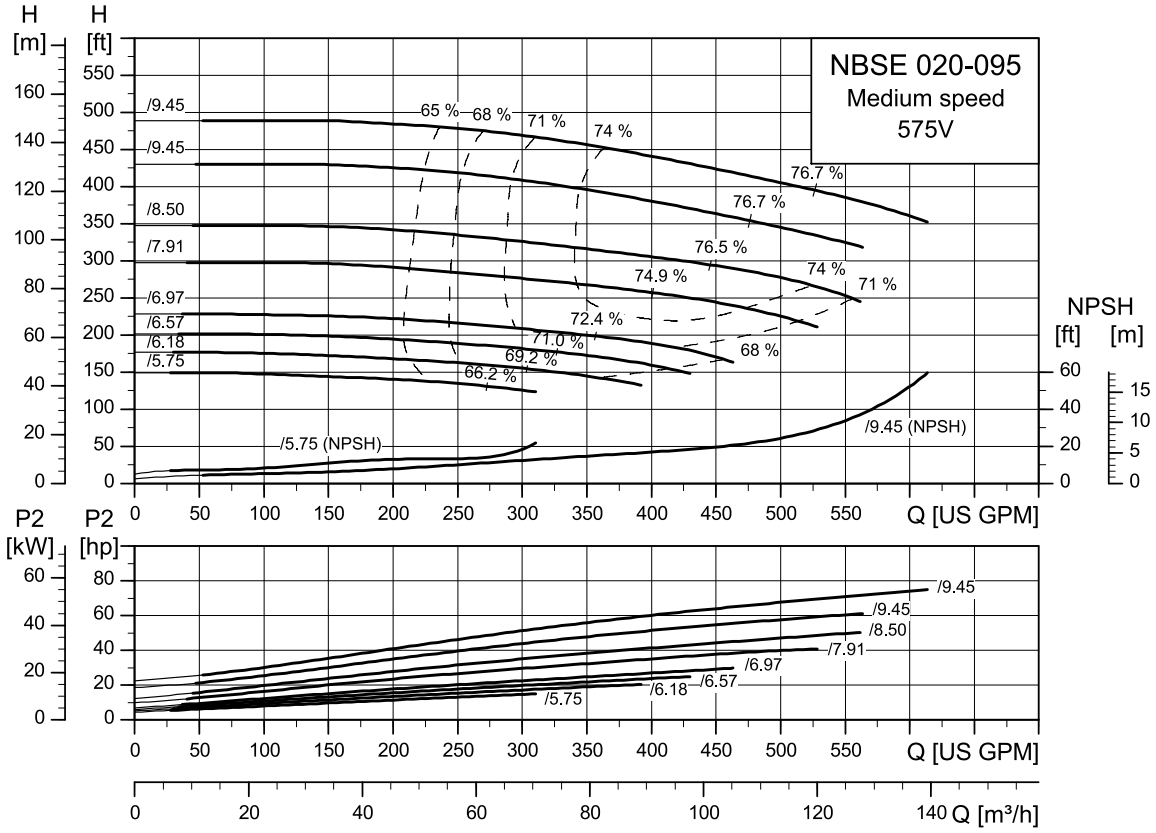
TM089178

NBSE 015-095



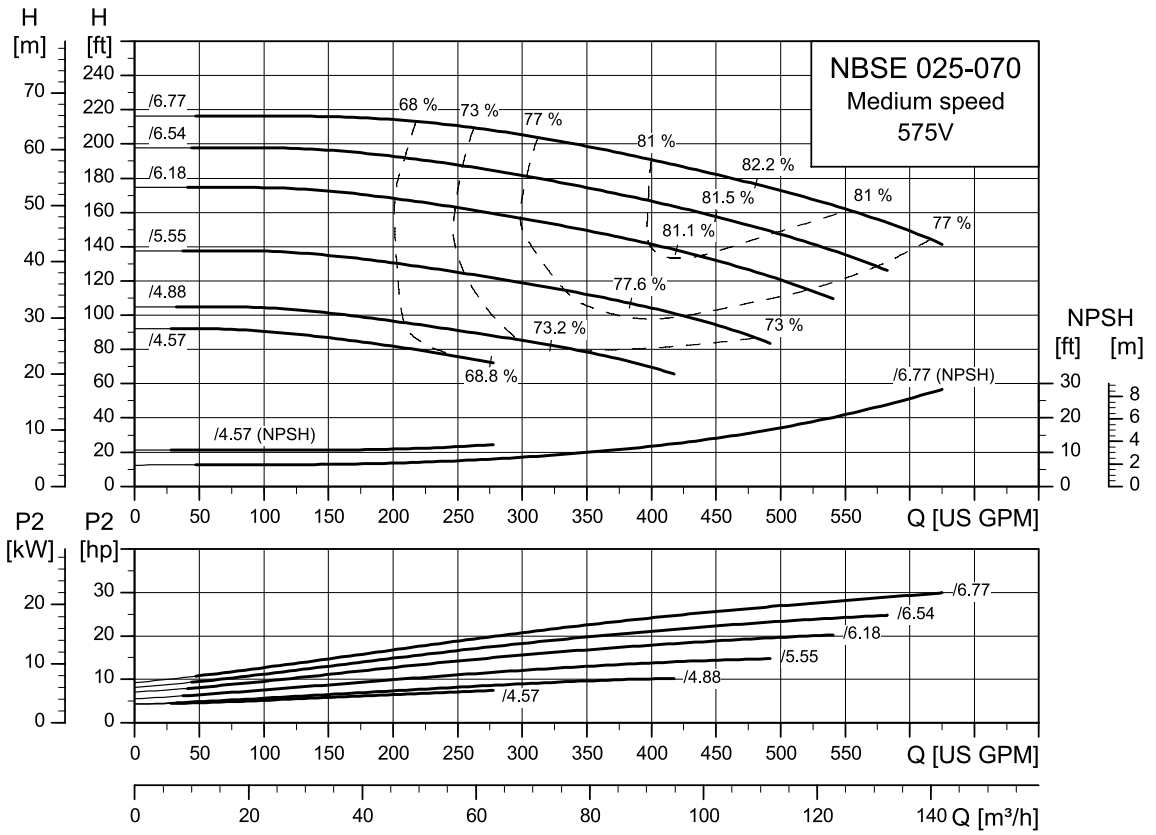
TM089179

NBSE 020-095



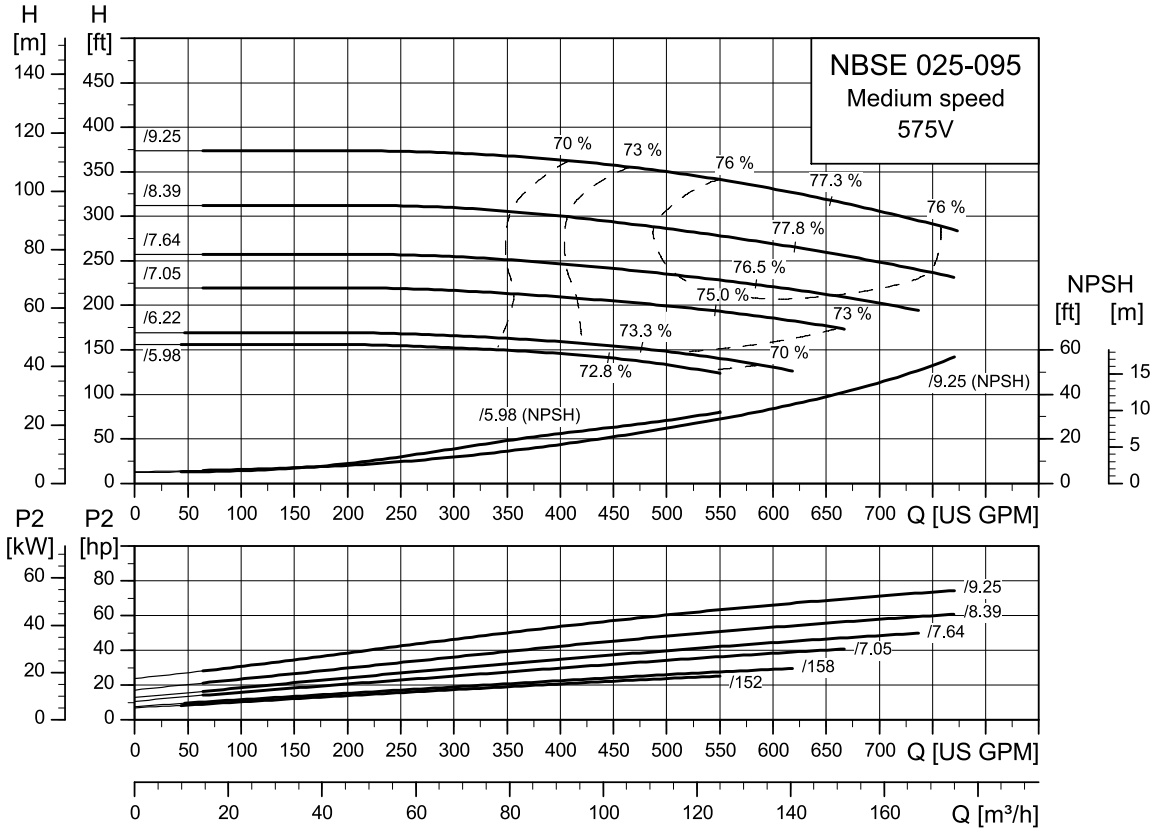
TM089180

NBSE 025-070



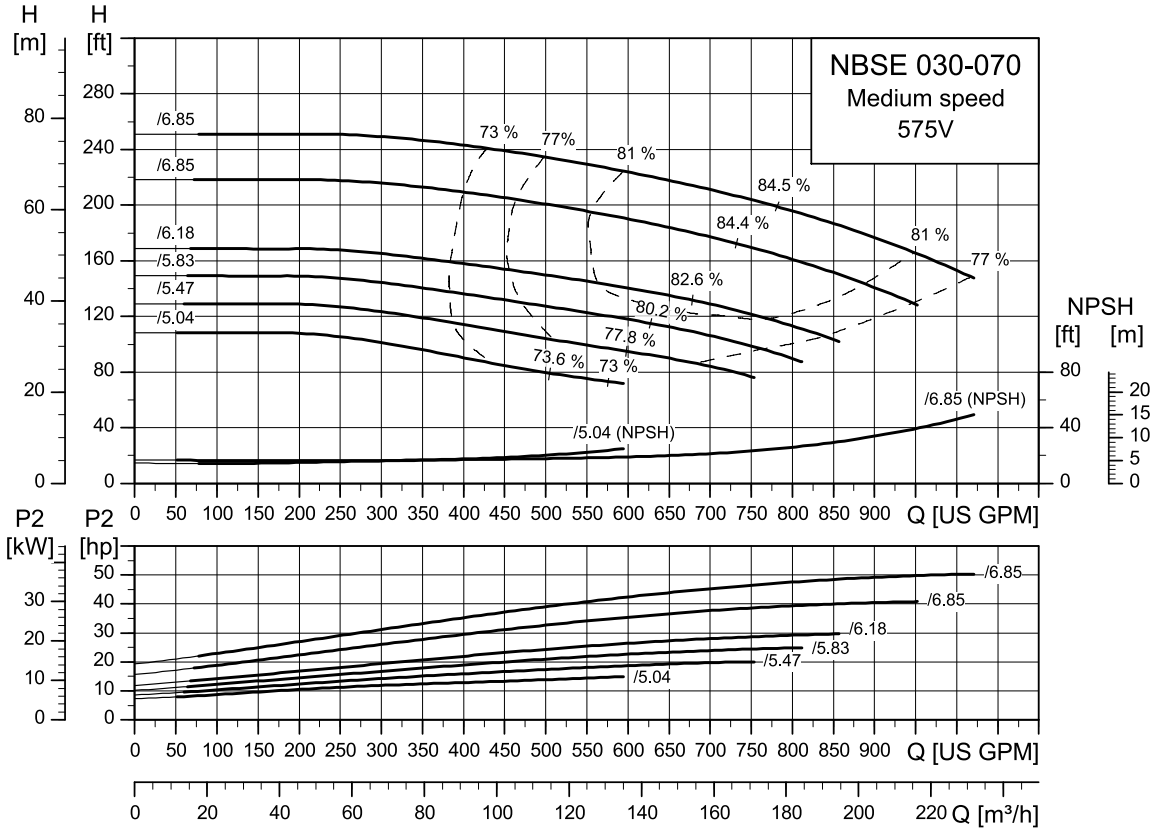
TM089181

NBSE 025-095



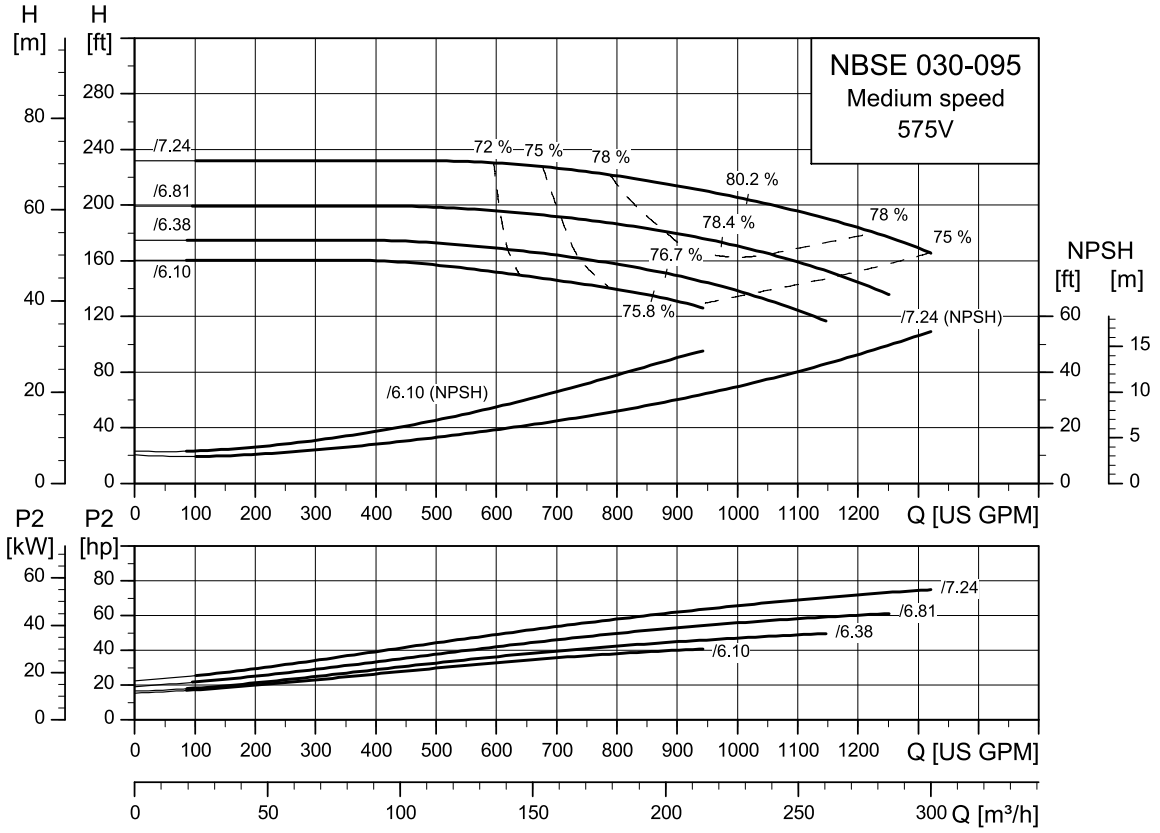
TM089175

NBSE 030-070



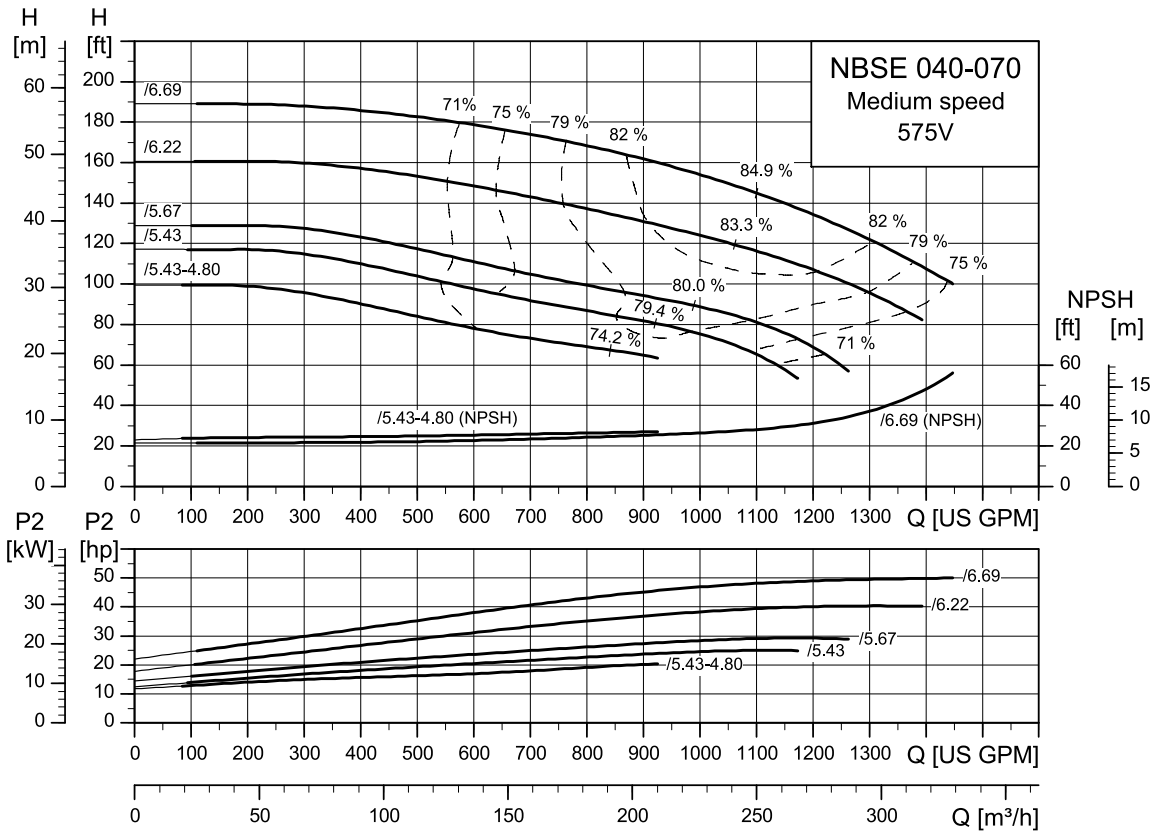
TM089182

NBSE 030-095



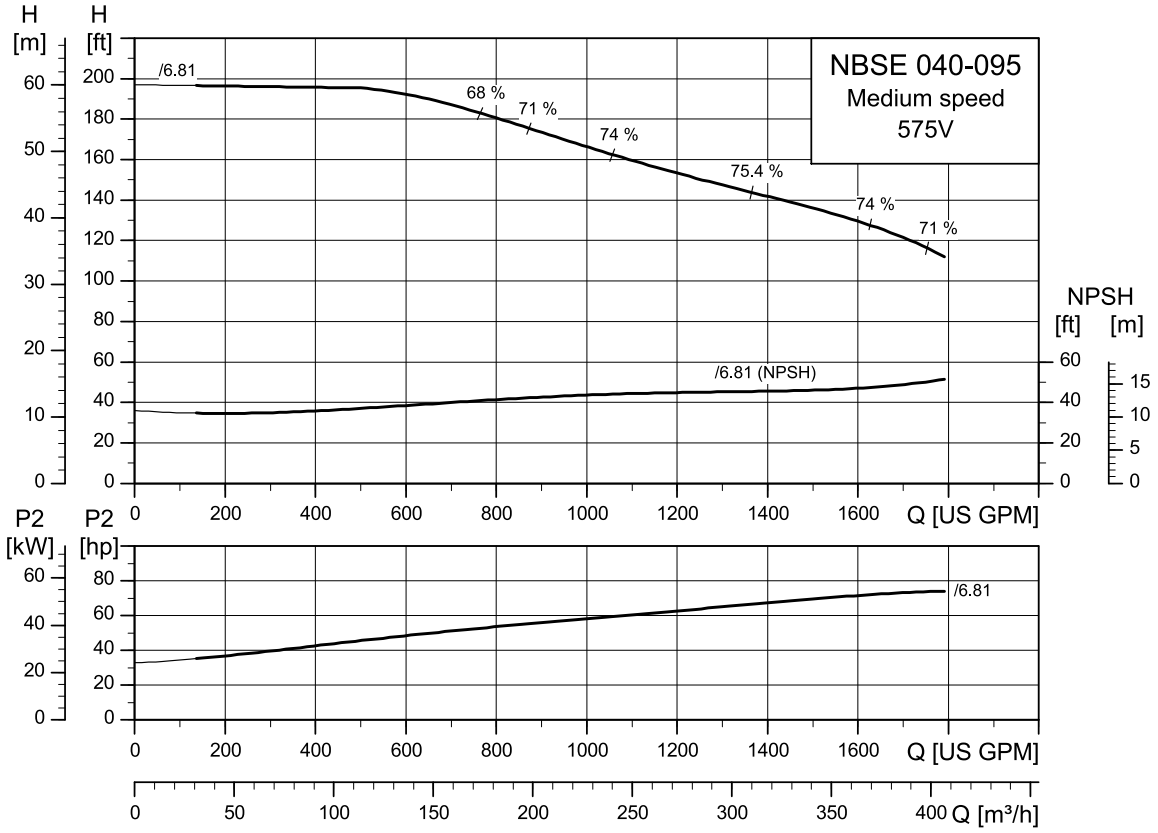
TM089329

NBSE 040-070



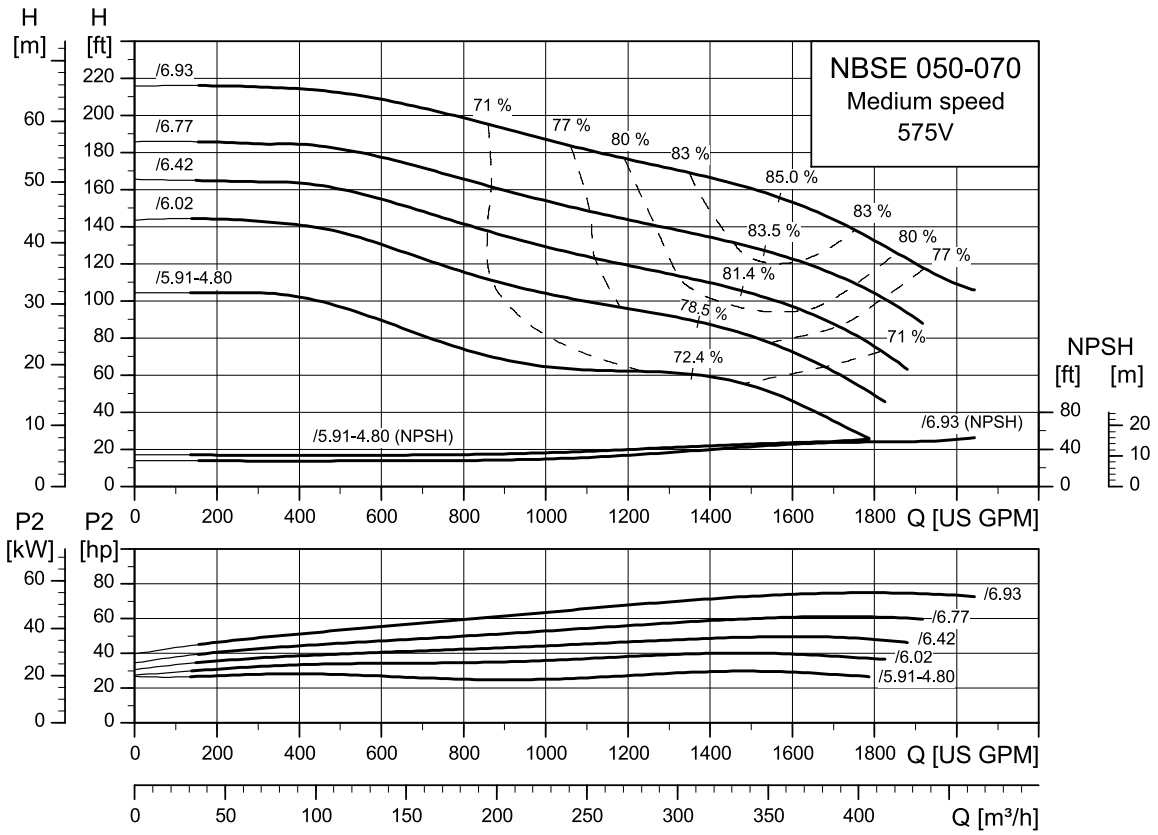
TM089183

NBSE 040-095



TM089331

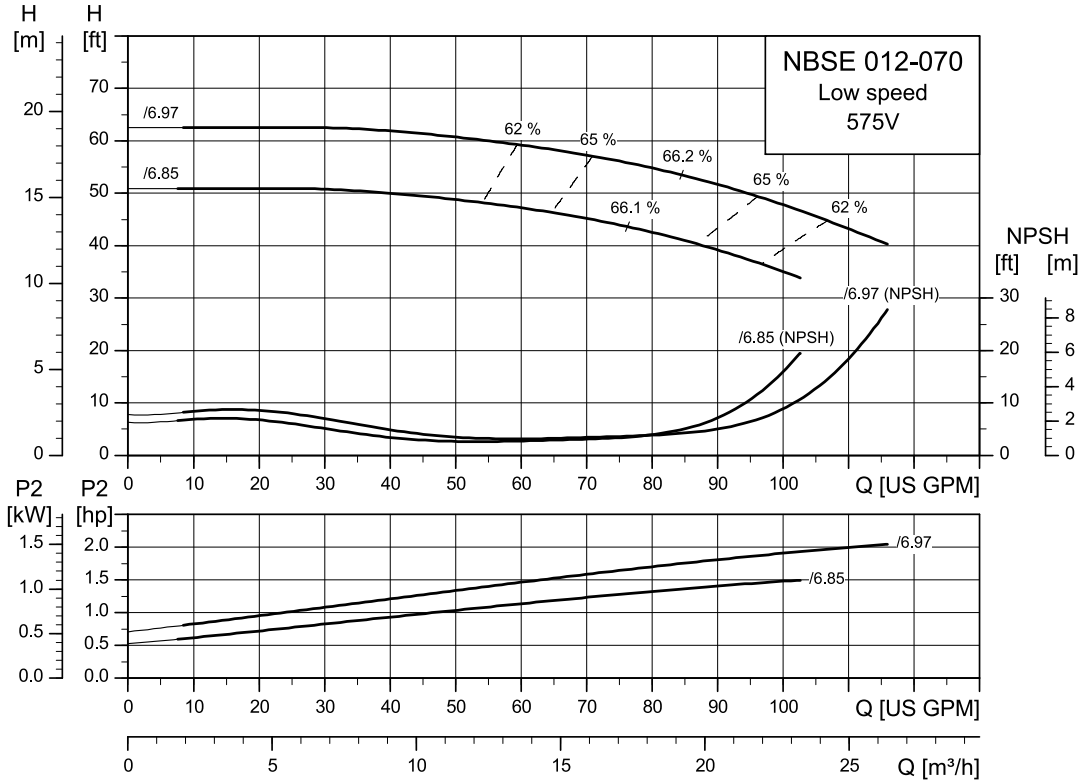
NBSE 050-070



TM089184

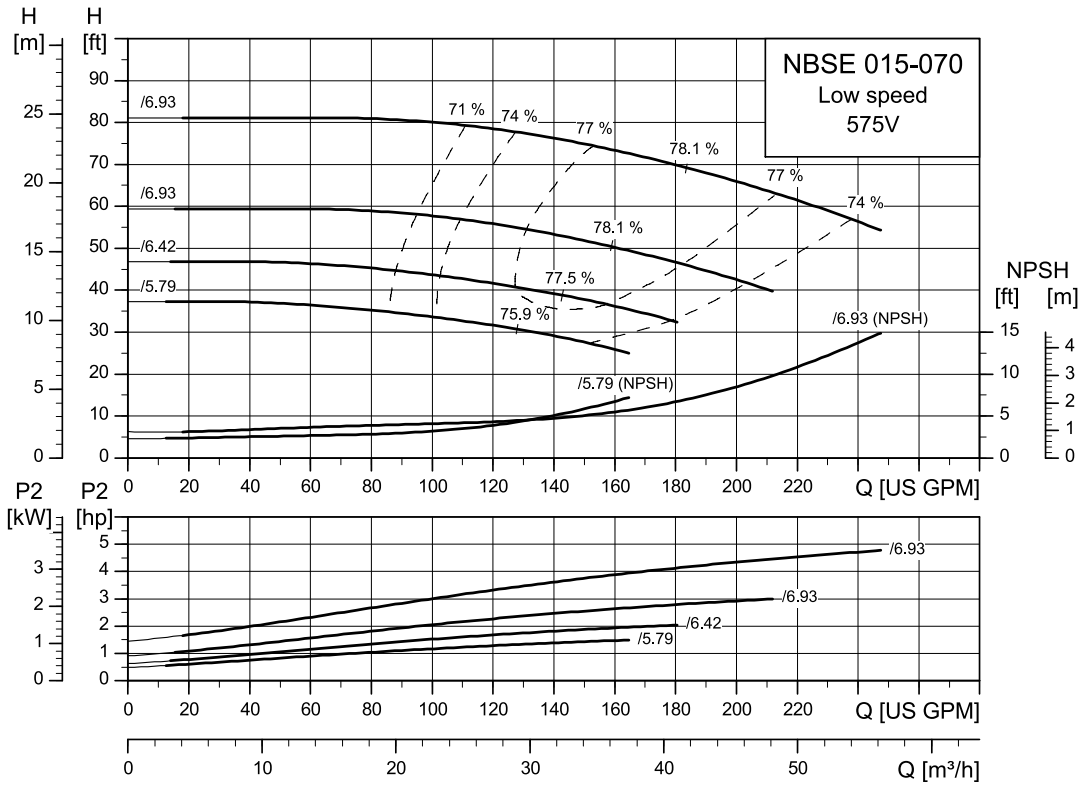
Low speed, 2000/2200 RPM, CUE 575V

NBSE 012-070



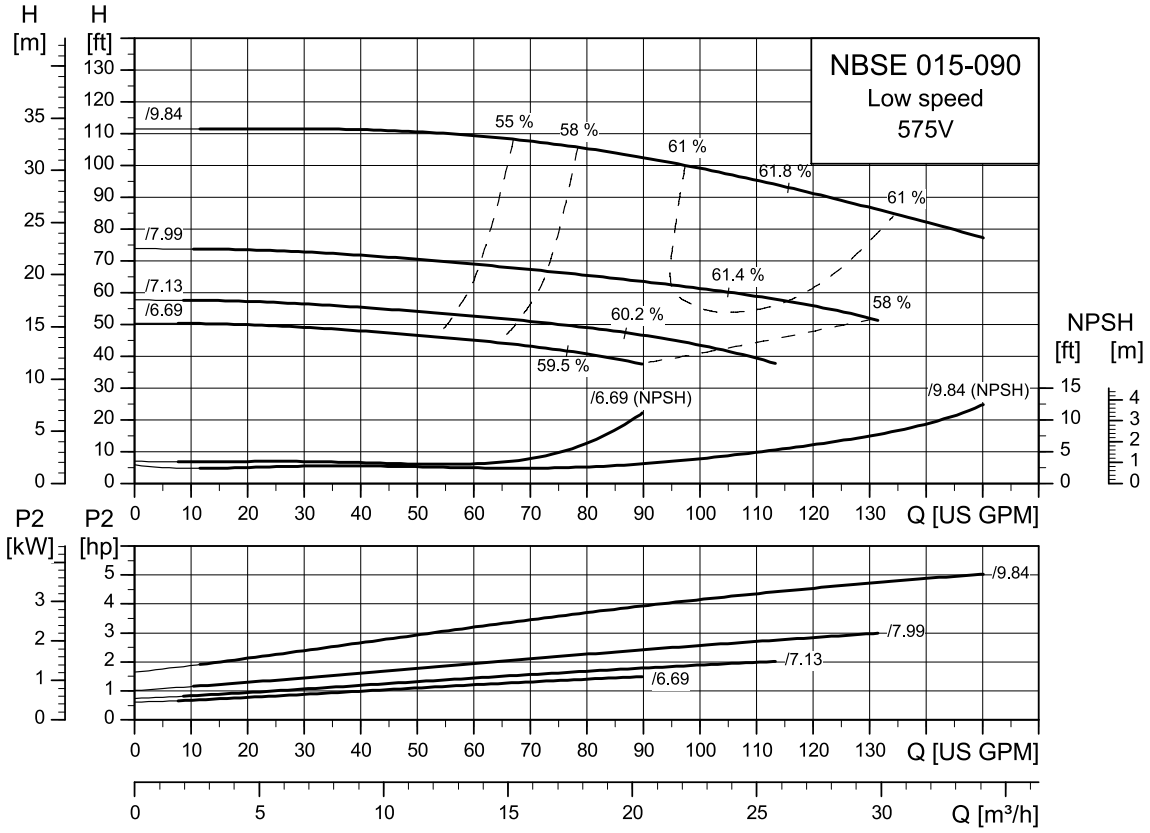
TM089185

NBSE 015-070



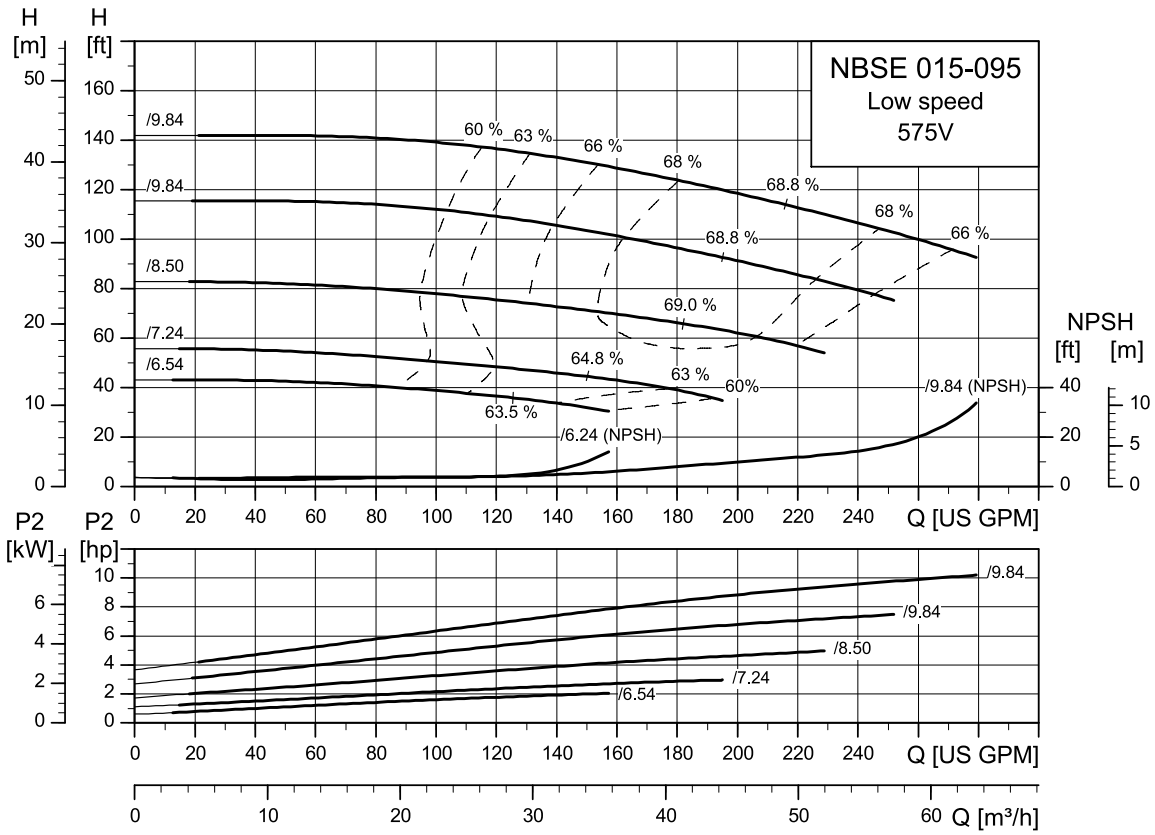
TM089186

NBSE 015-090



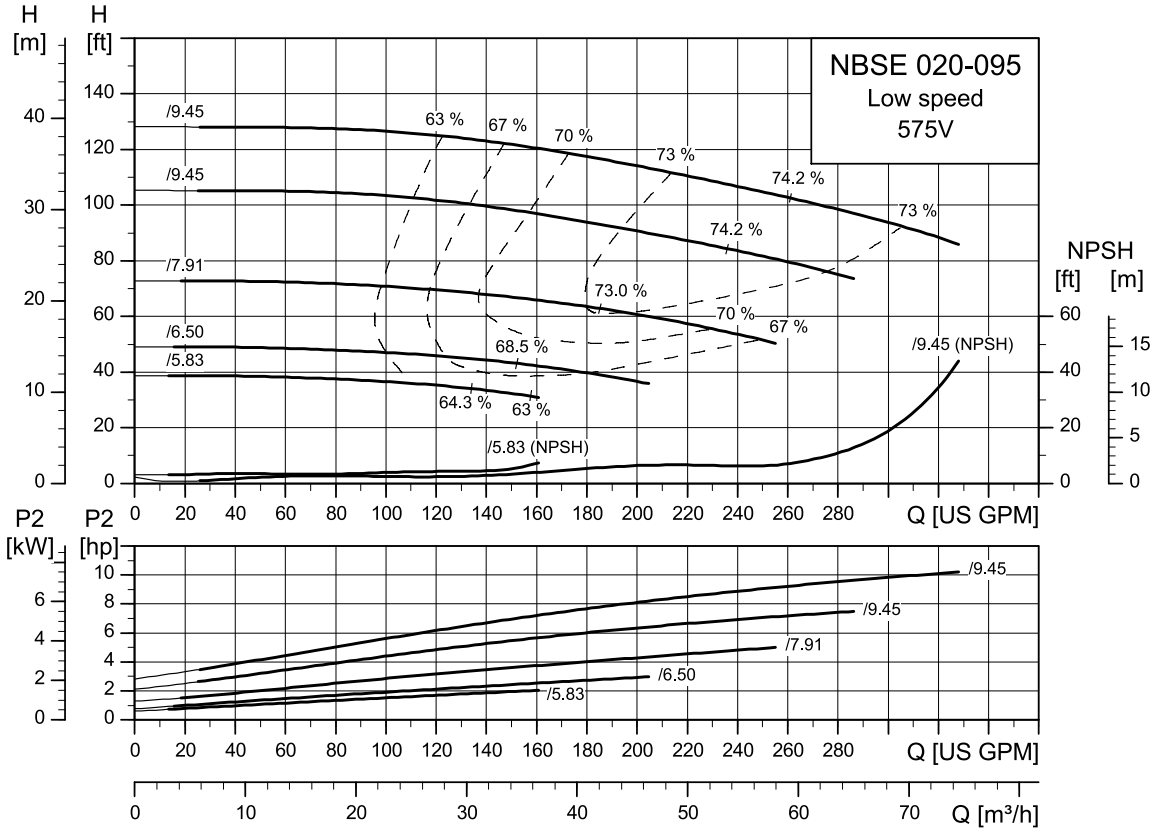
TM089187

NBSE 015-095



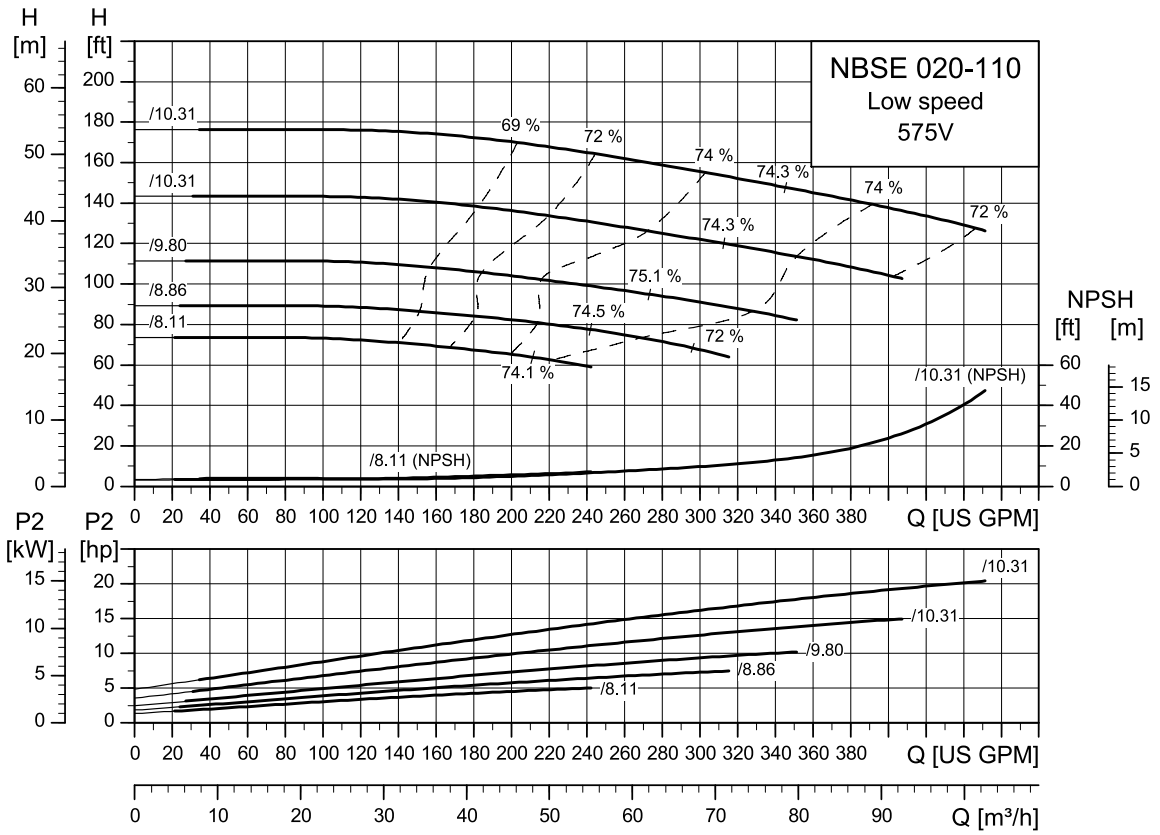
TM089188

NBSE 020-095



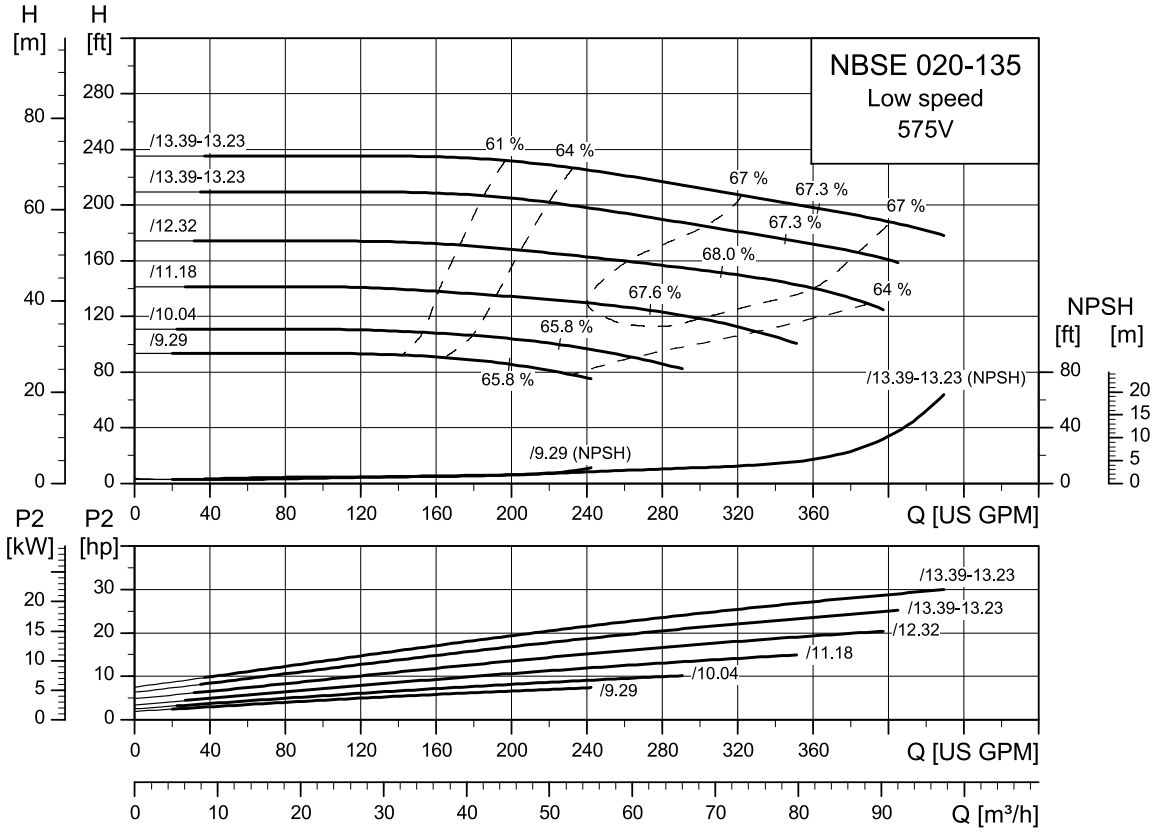
TM089189

NBSE 020-110



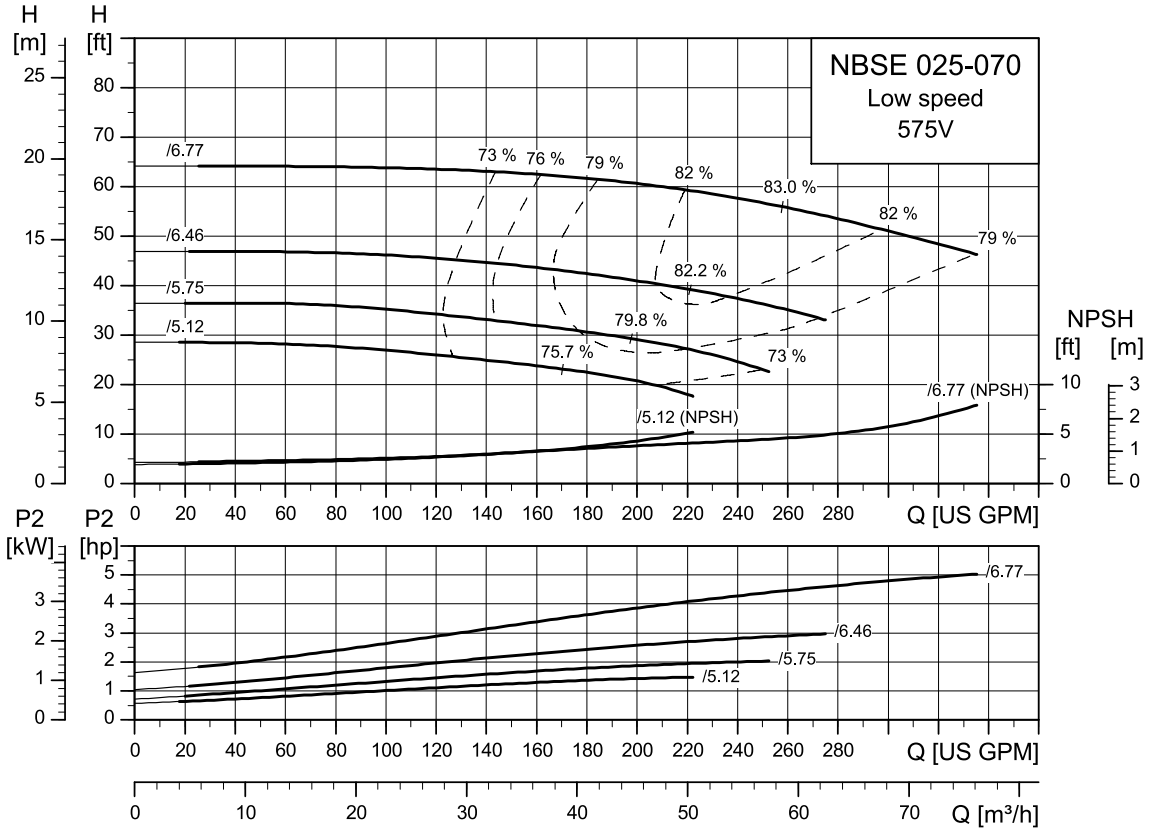
TM089190

NBSE 020-135



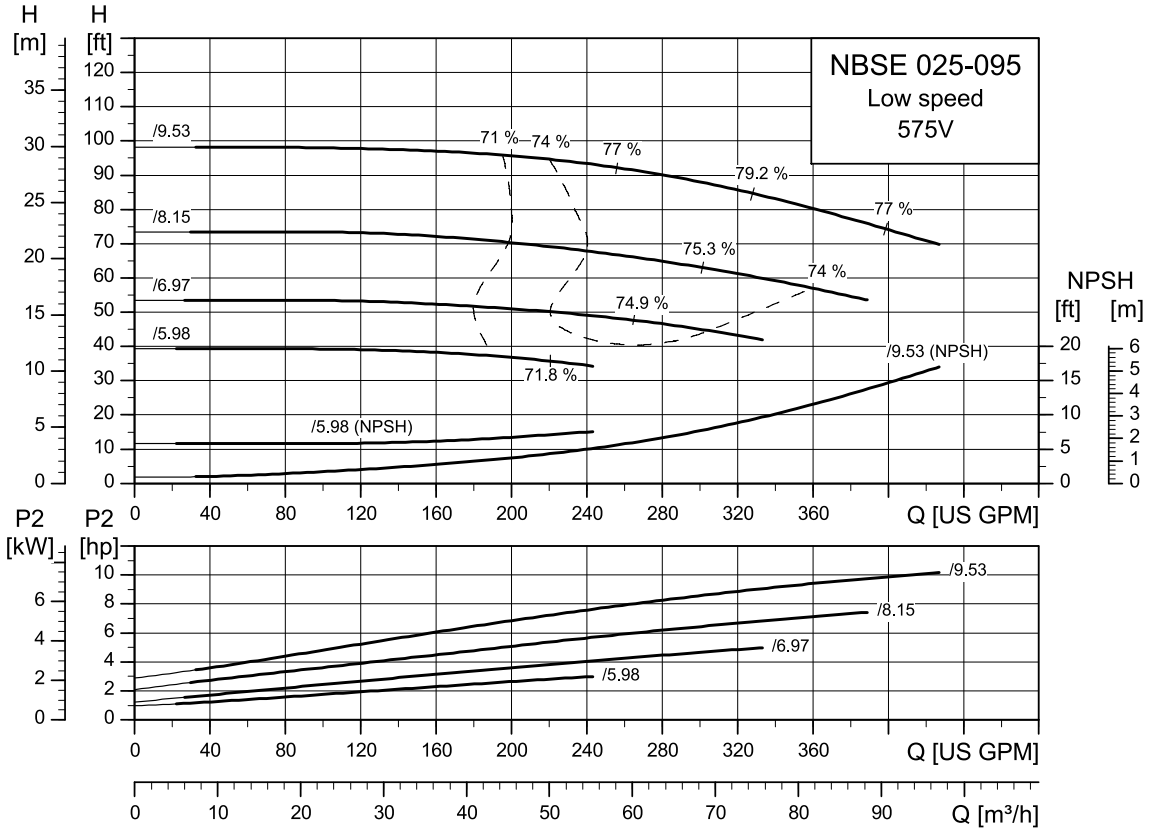
TM089191

NBSE 025-070



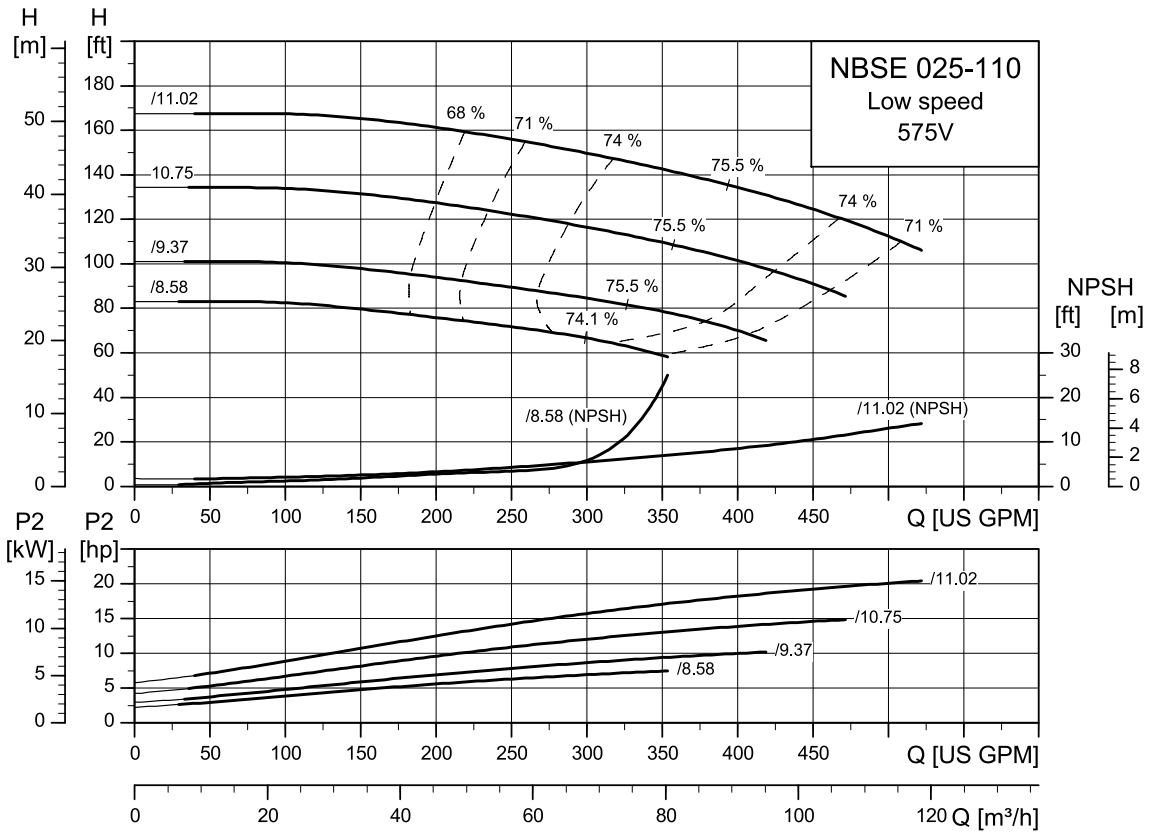
TM089192

NBSE 025-095



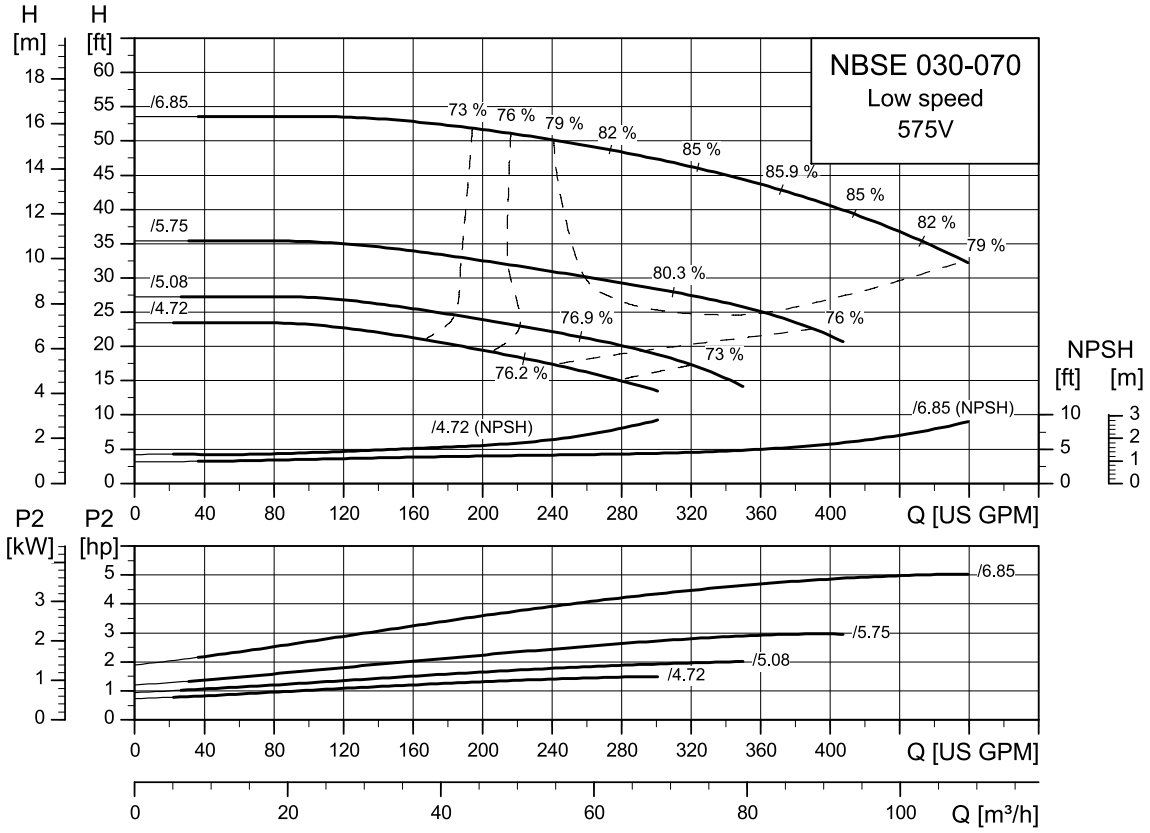
TM089193

NBSE 025-110



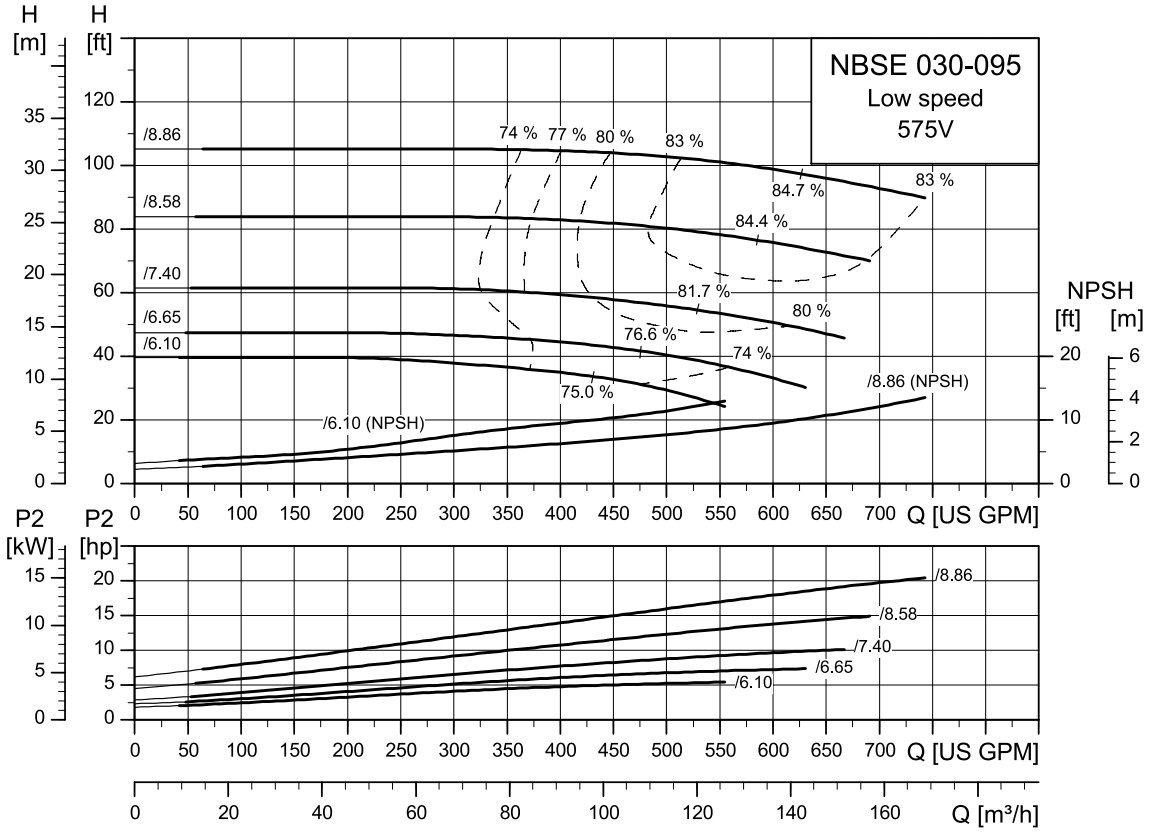
TM089194

NBSE 030-070



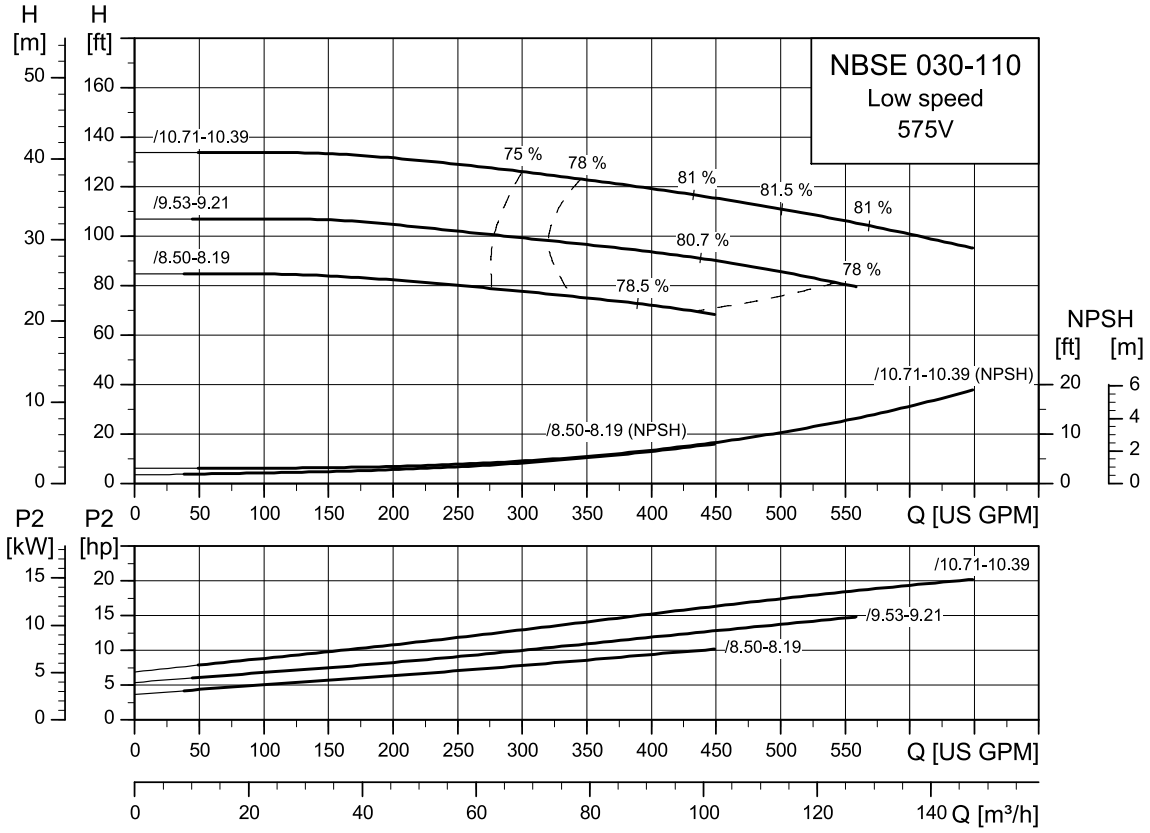
TM089195

NBSE 030-095



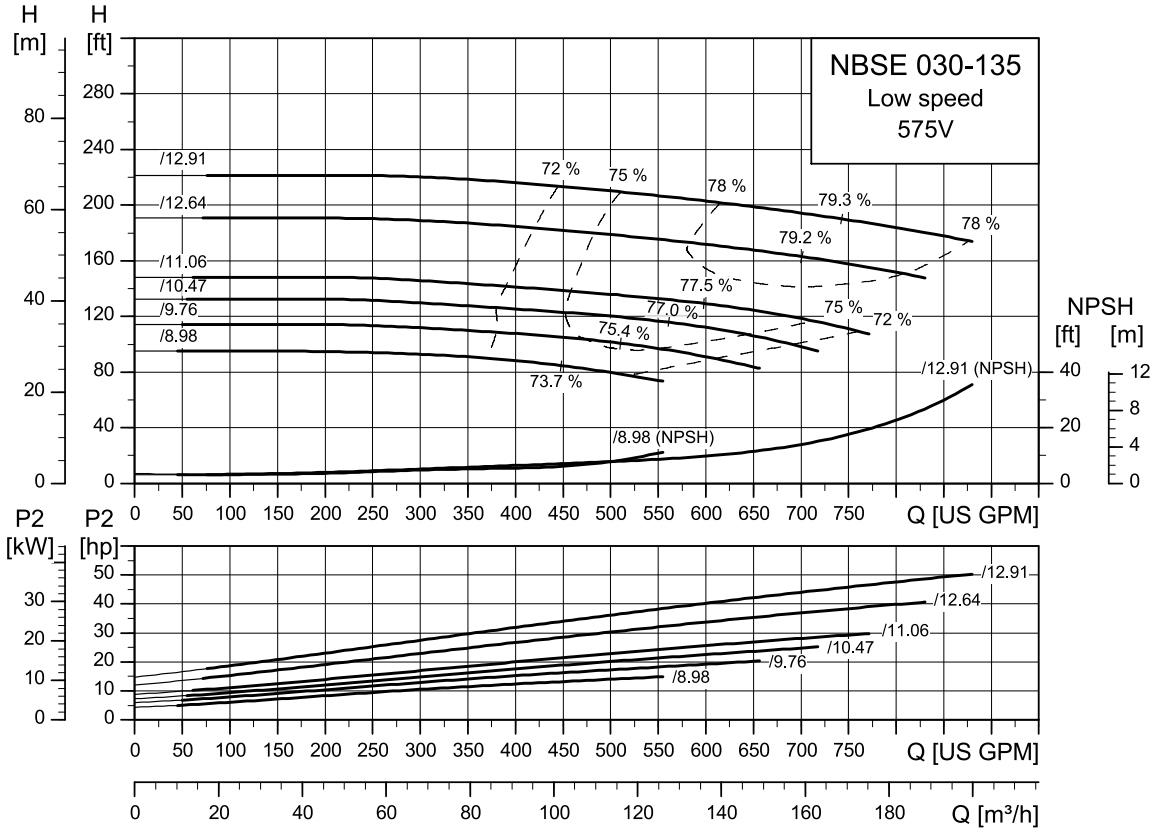
TM089196

NBSE 030-110



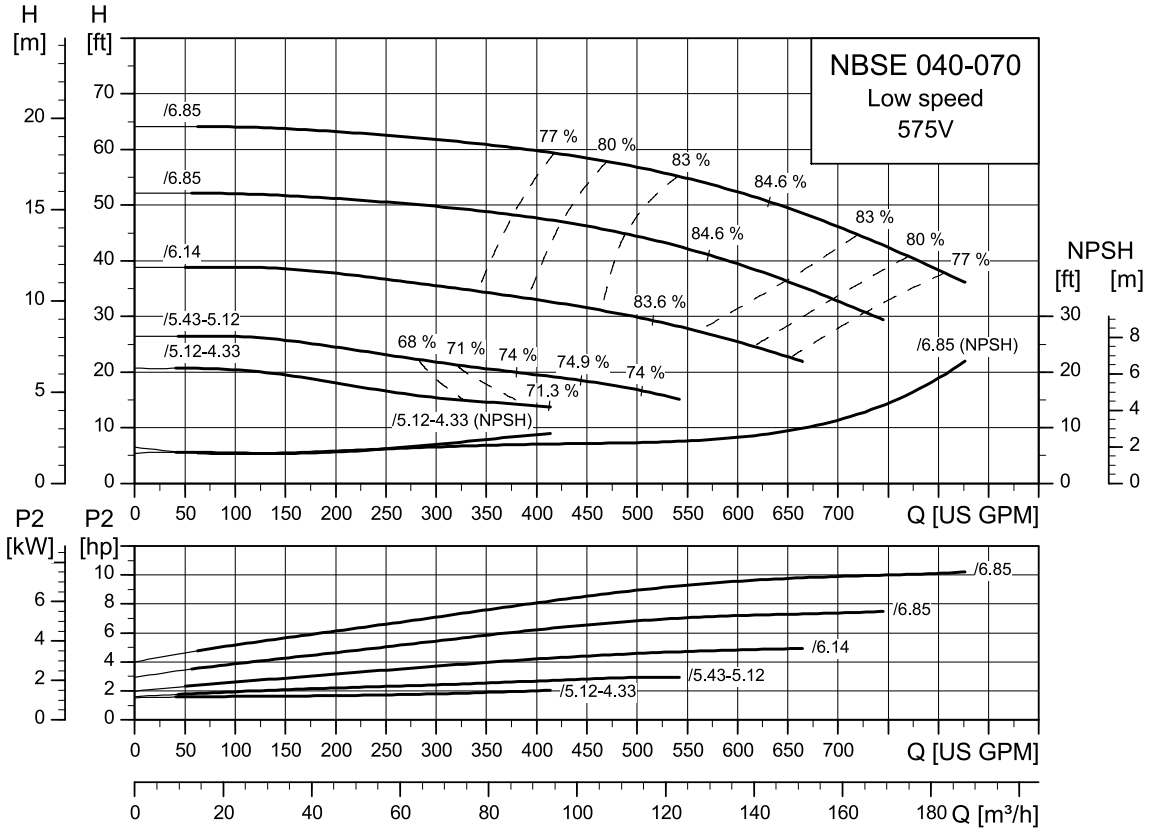
TM089197

NBSE 030-135



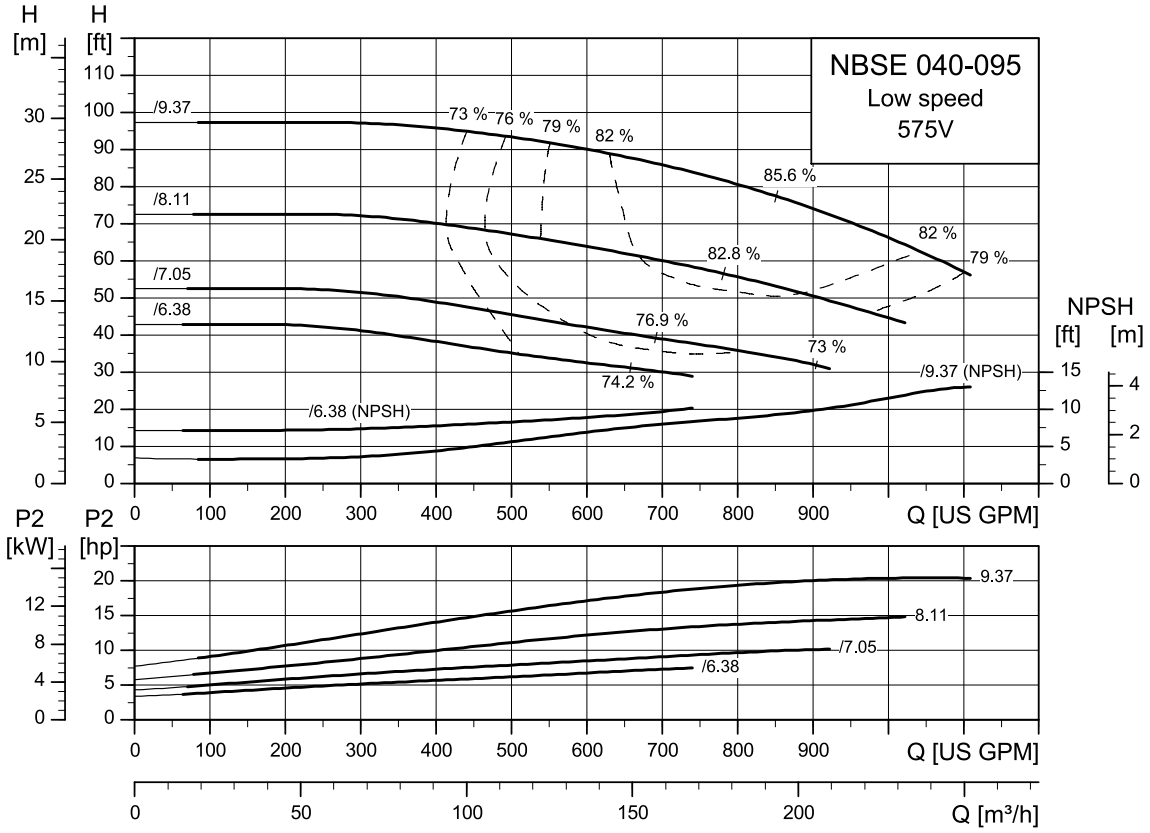
TM089198

NBSE 040-070



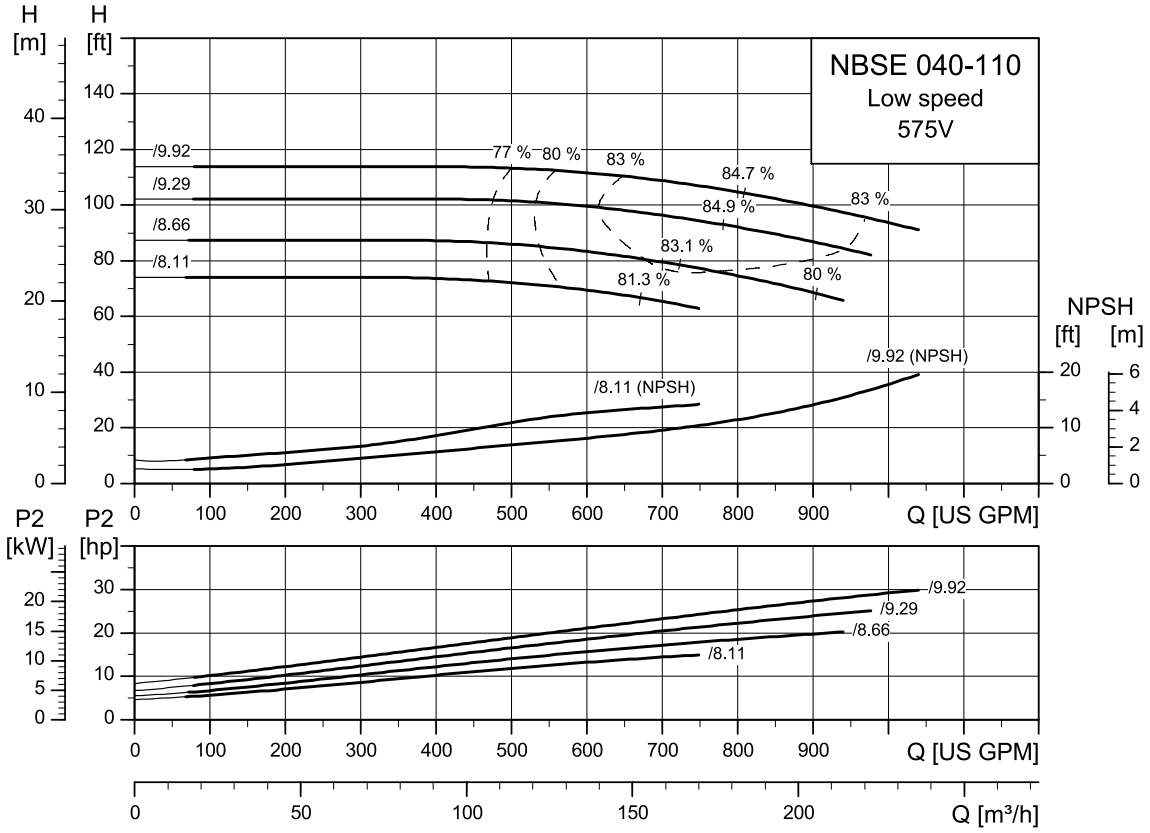
TM089199

NBSE 040-095



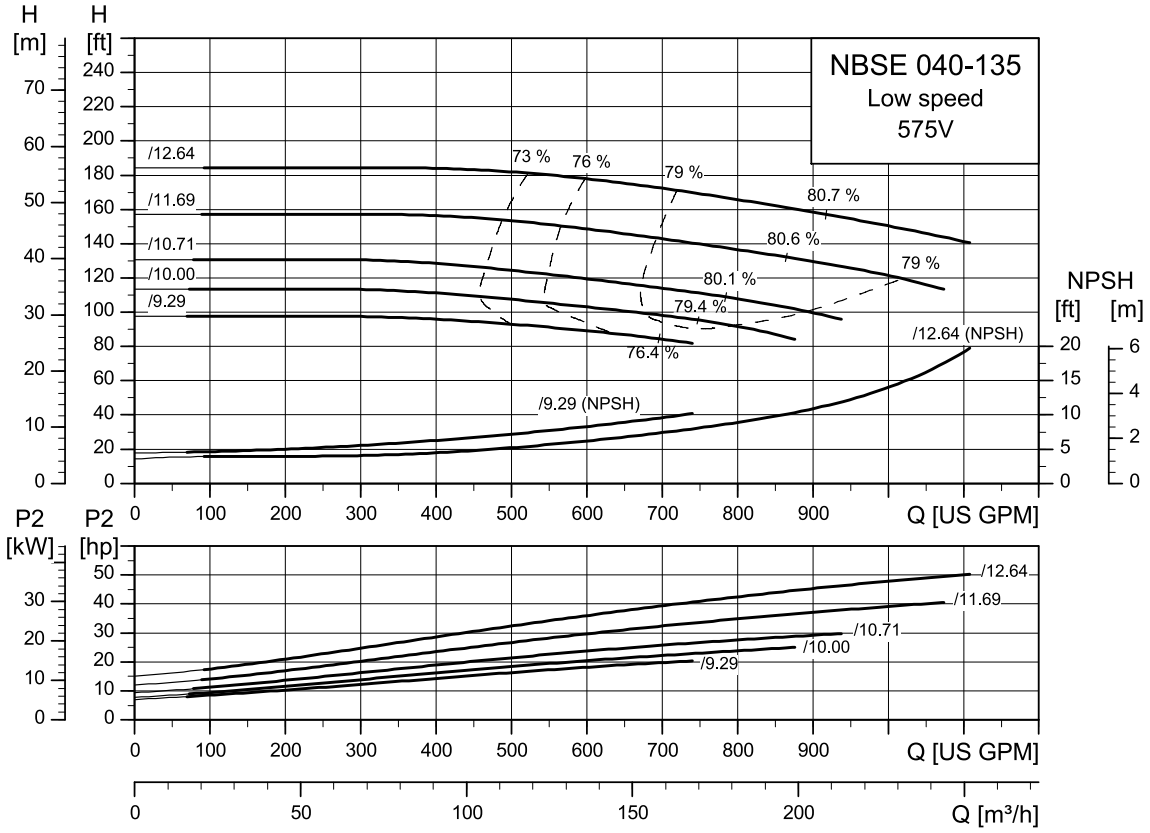
TM089200

NBSE 040-110



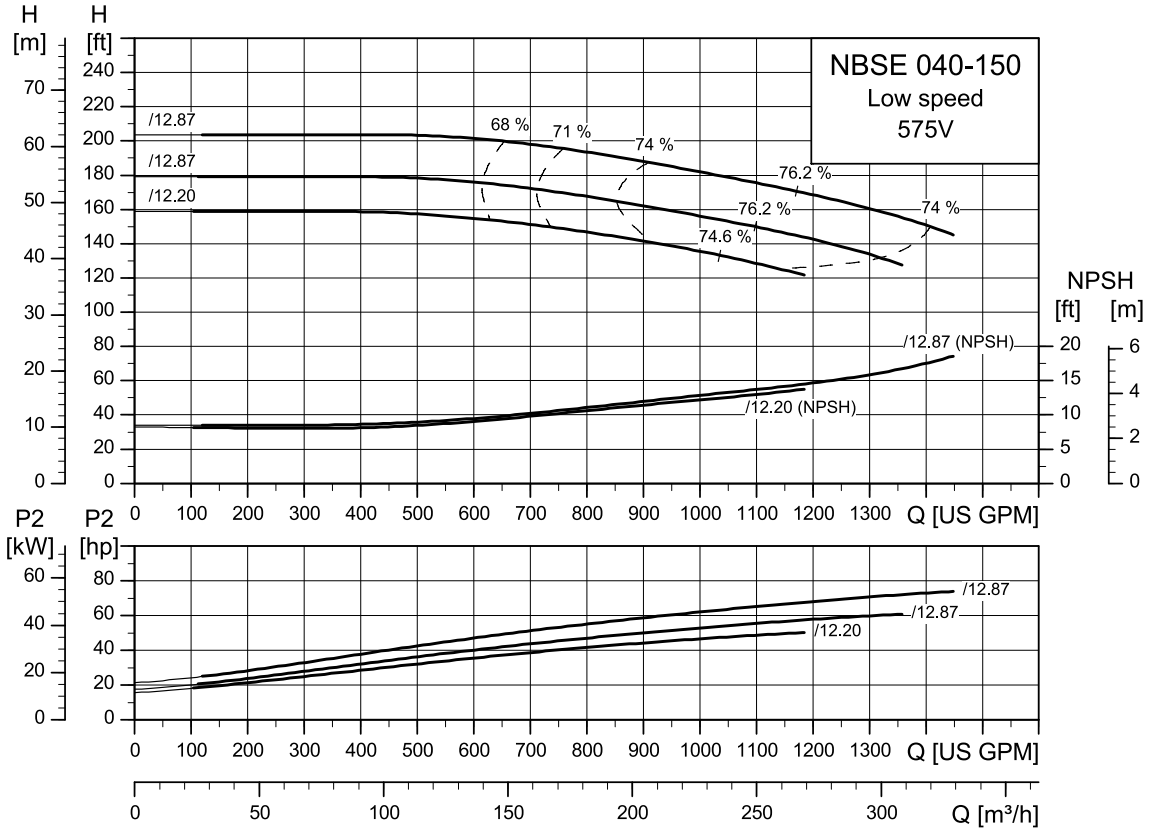
TM089201

NBSE 040-135



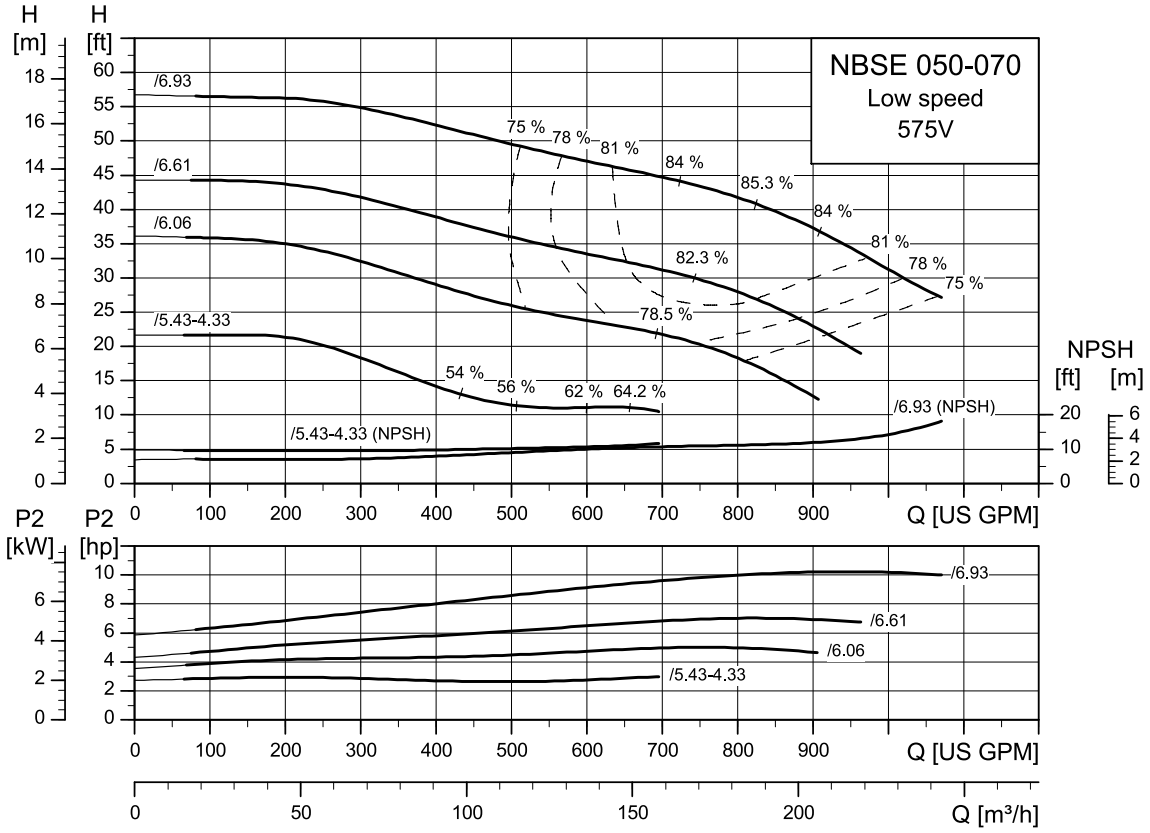
TM089202

NBSE 040-150



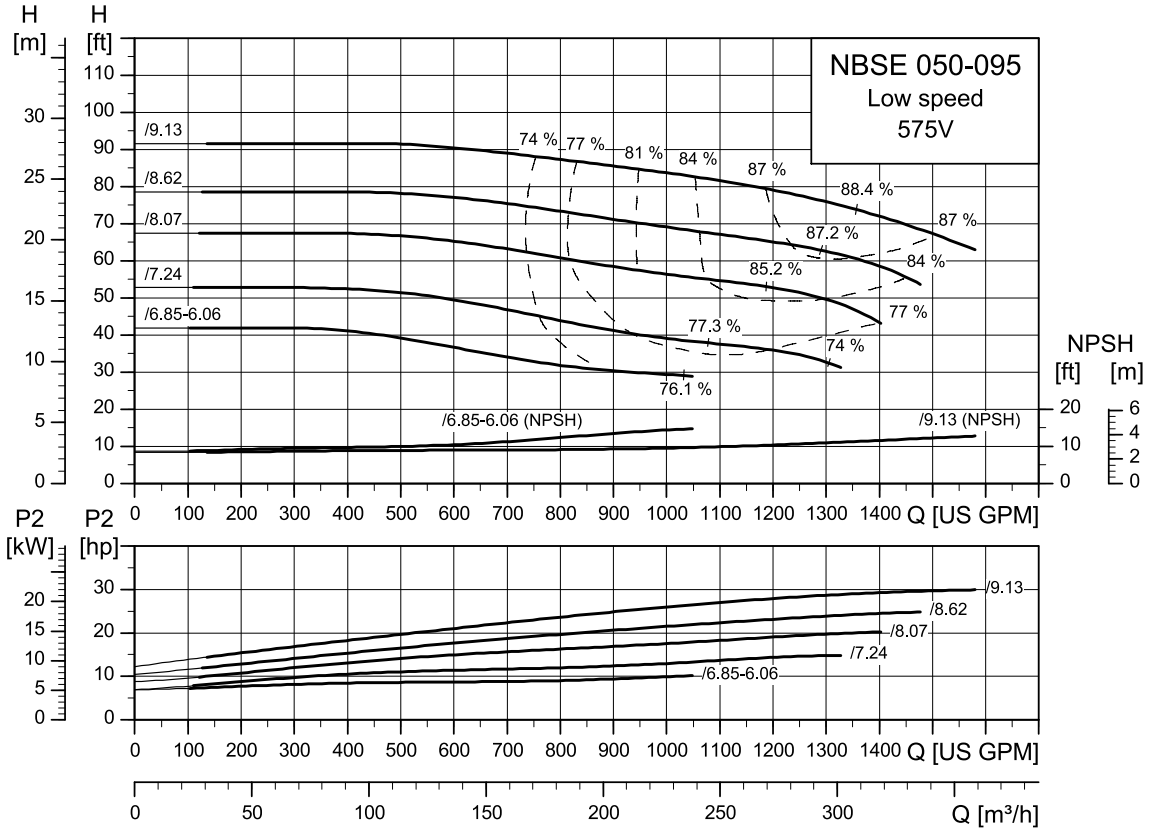
TM089203

NBSE 050-070



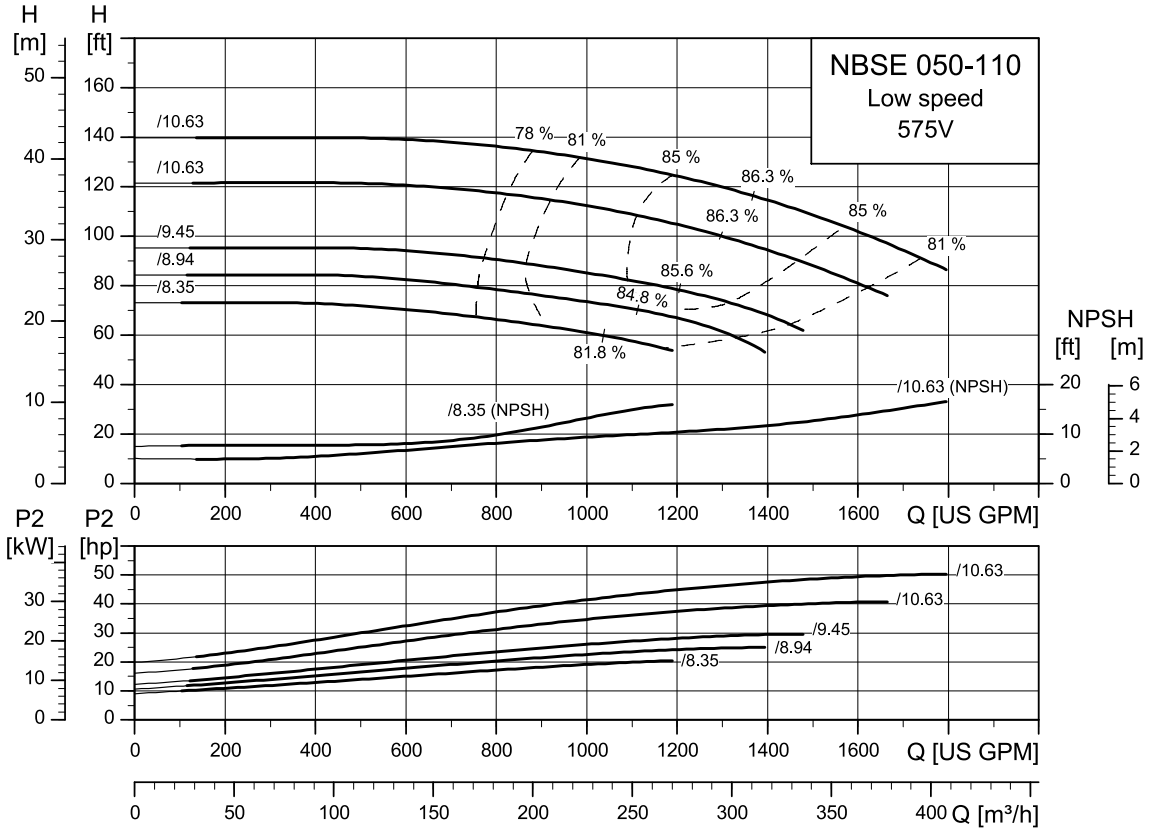
TM089204

NBSE 050-095



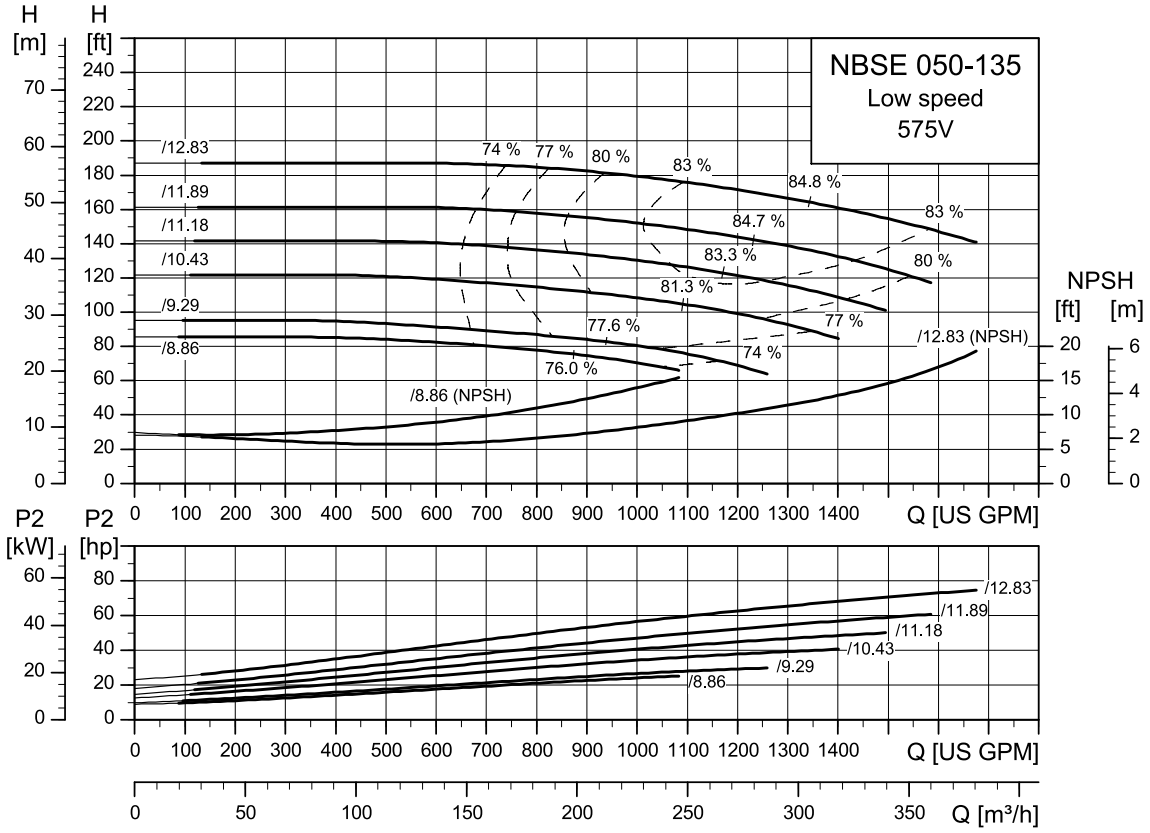
TM089205

NBSE 050-110



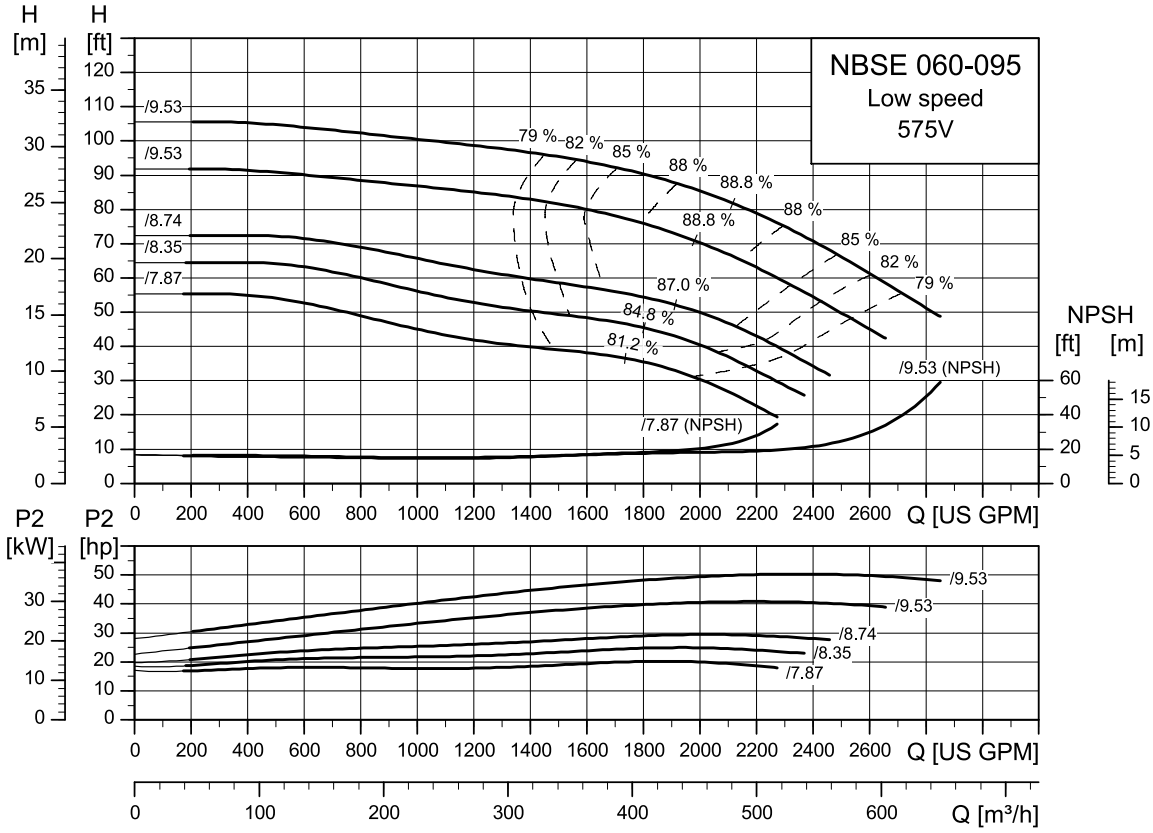
TM089206

NBSE 050-135



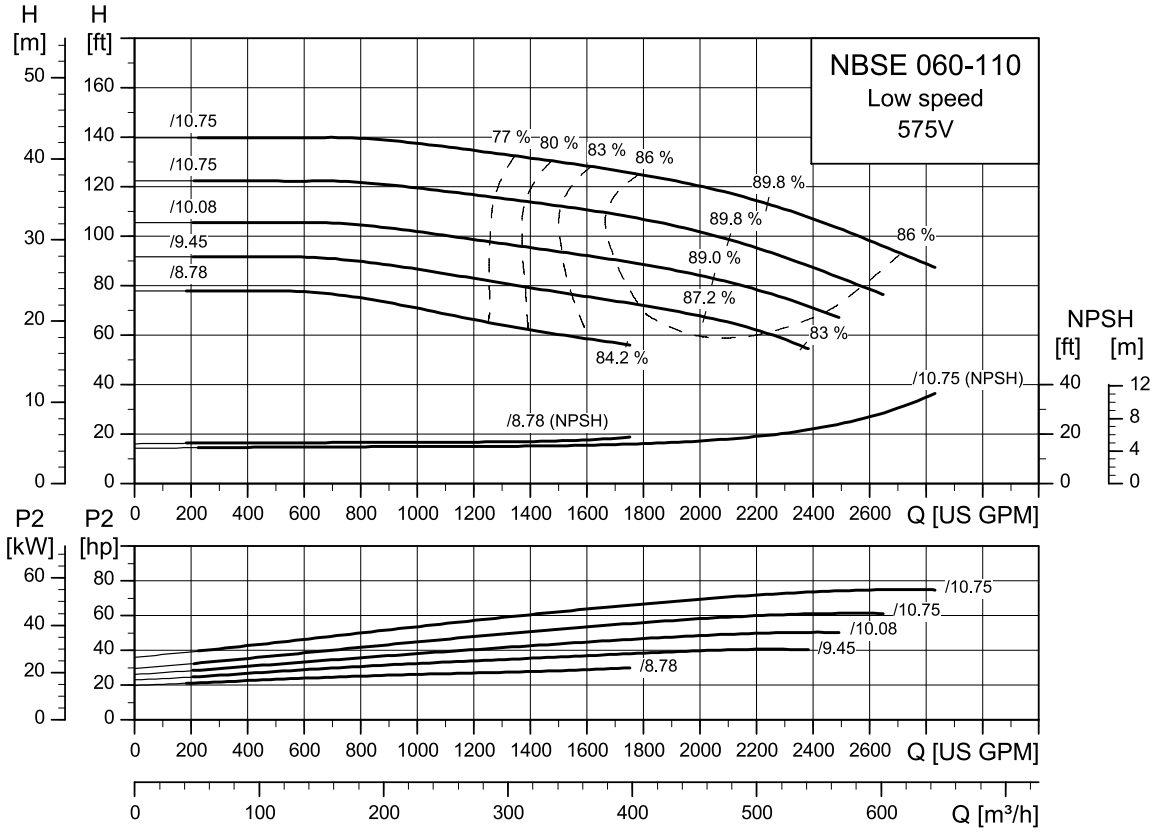
TM089207

NBSE 060-095



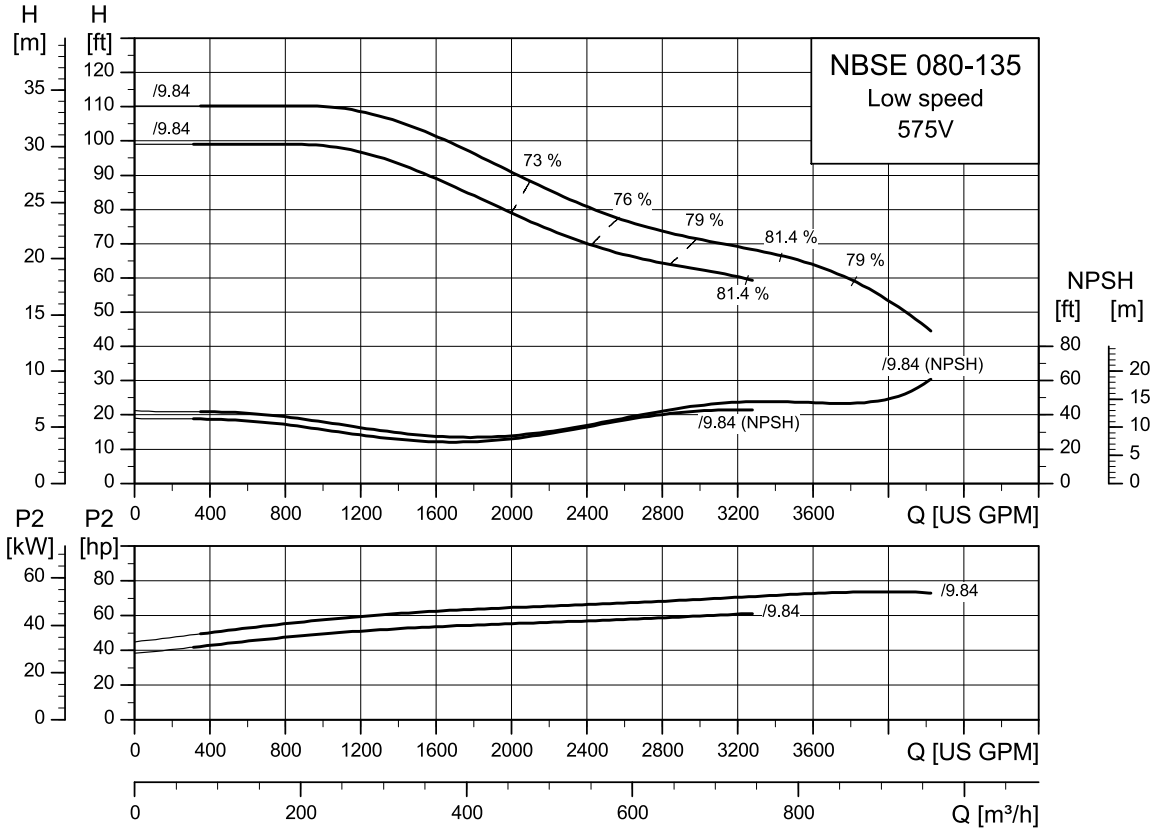
TM089208

NBSE 060-110



TM089209

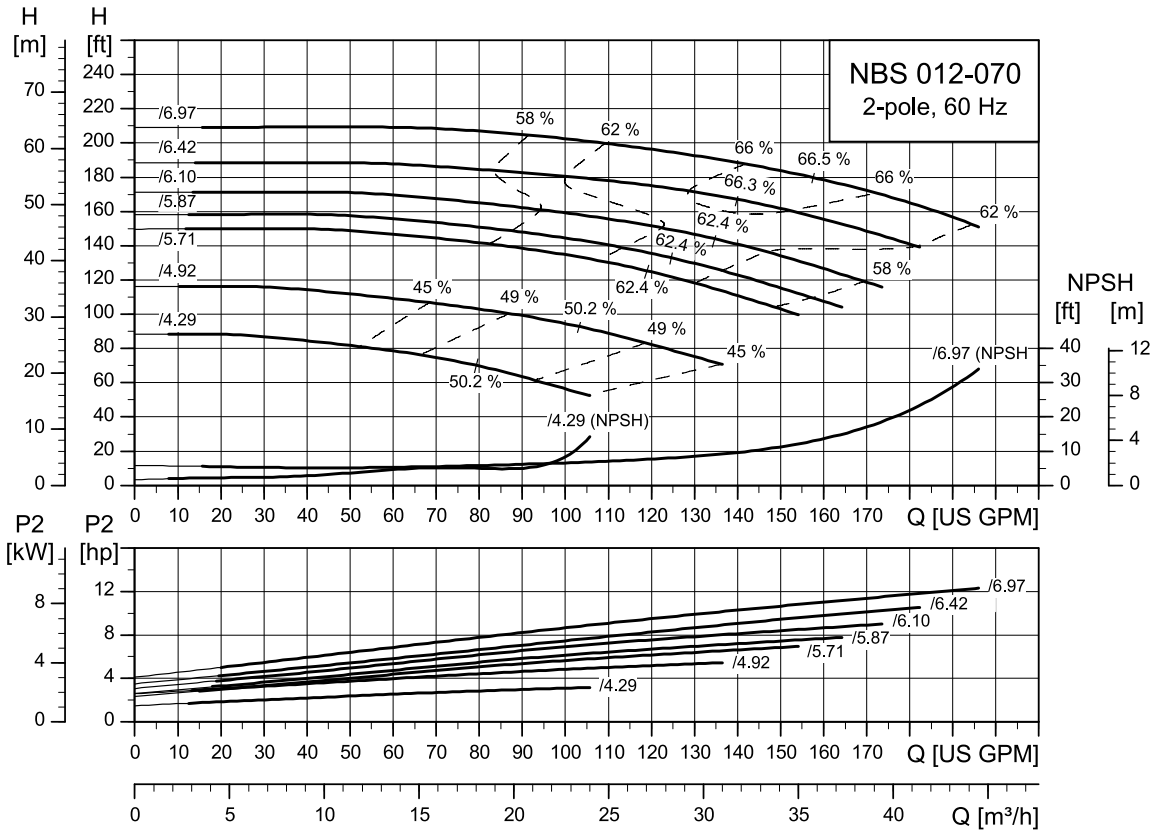
NBSE 080-135



TM089210

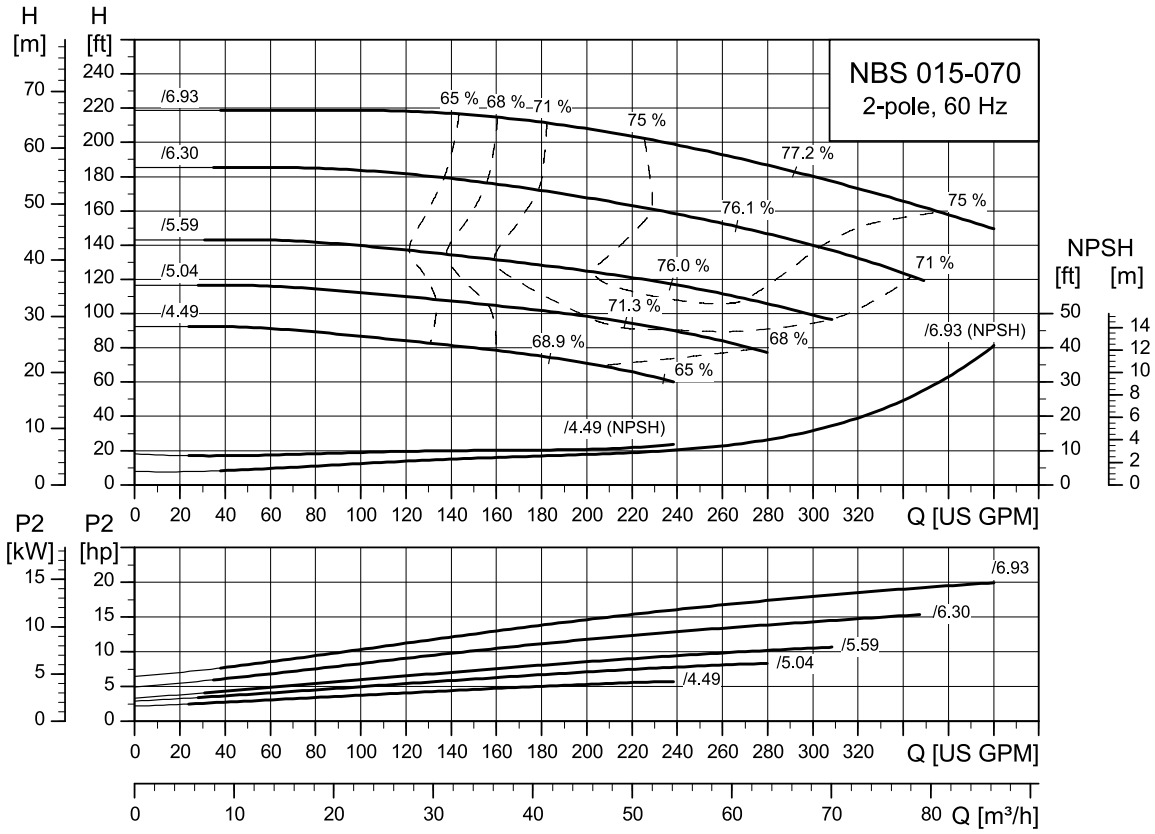
2-pole

NBS 012-070



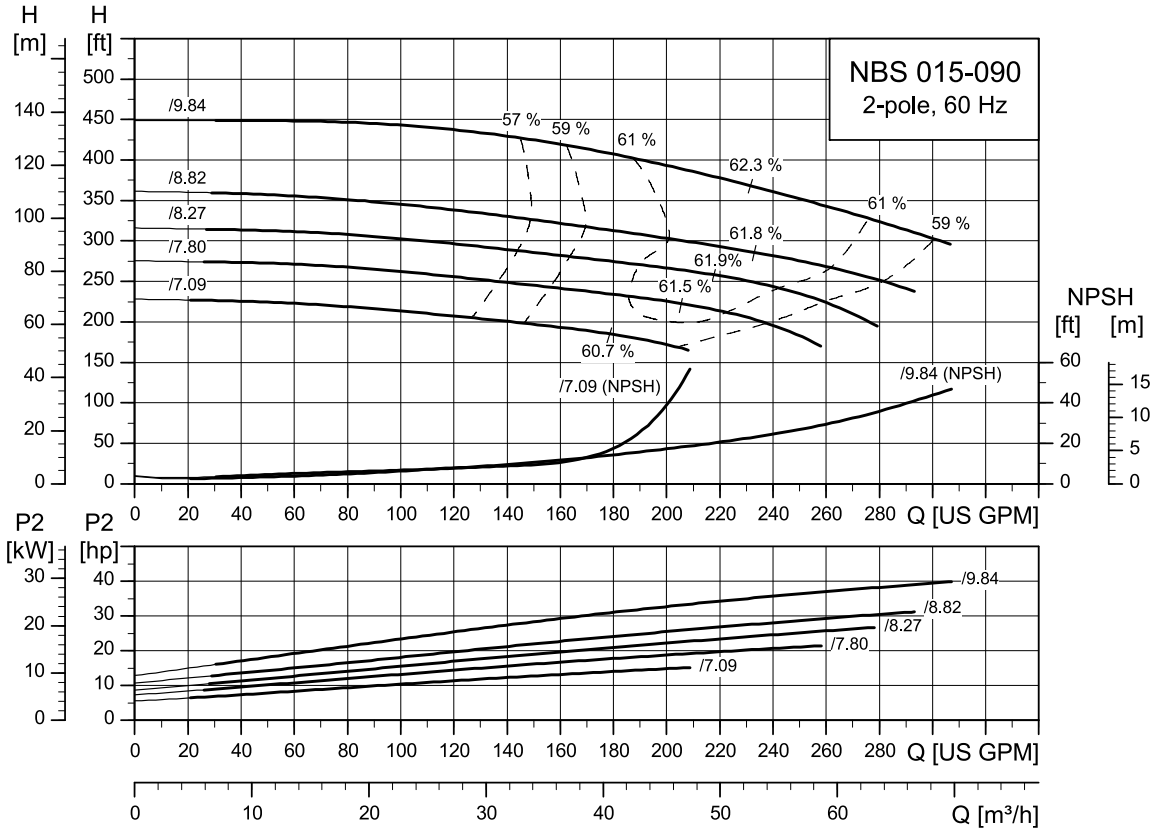
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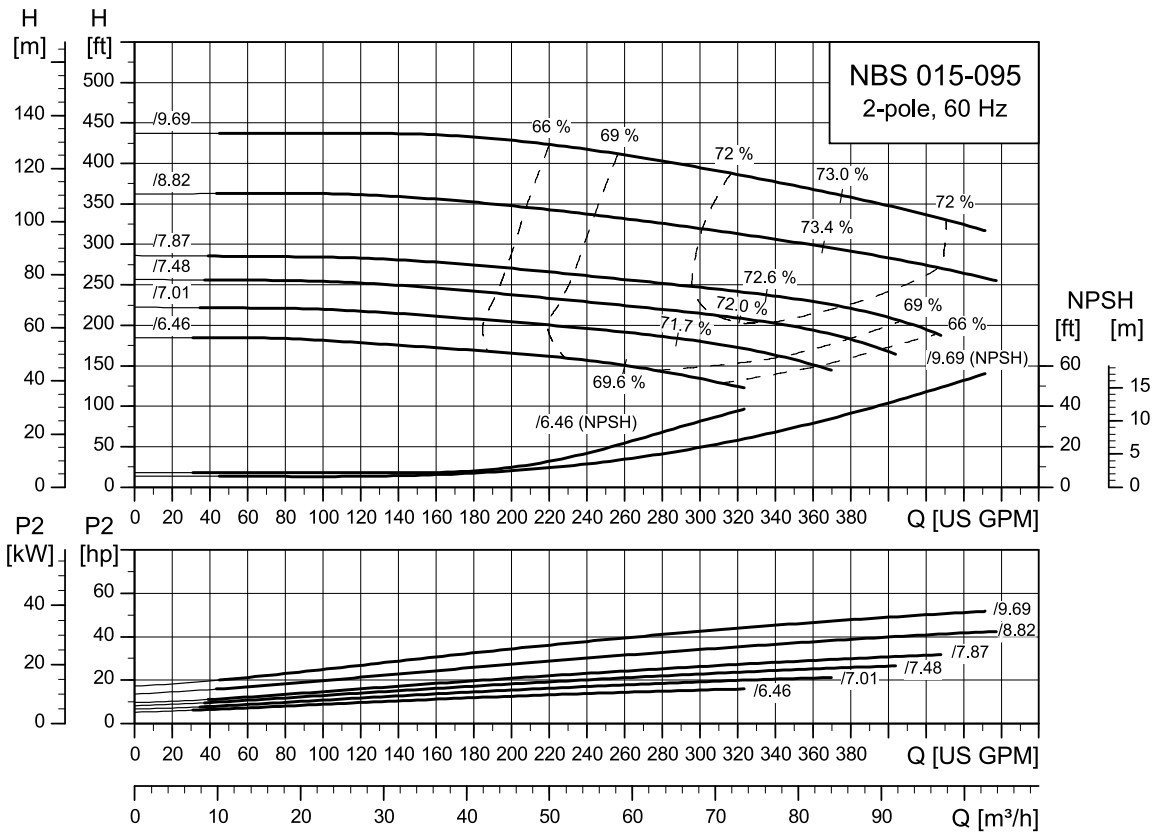
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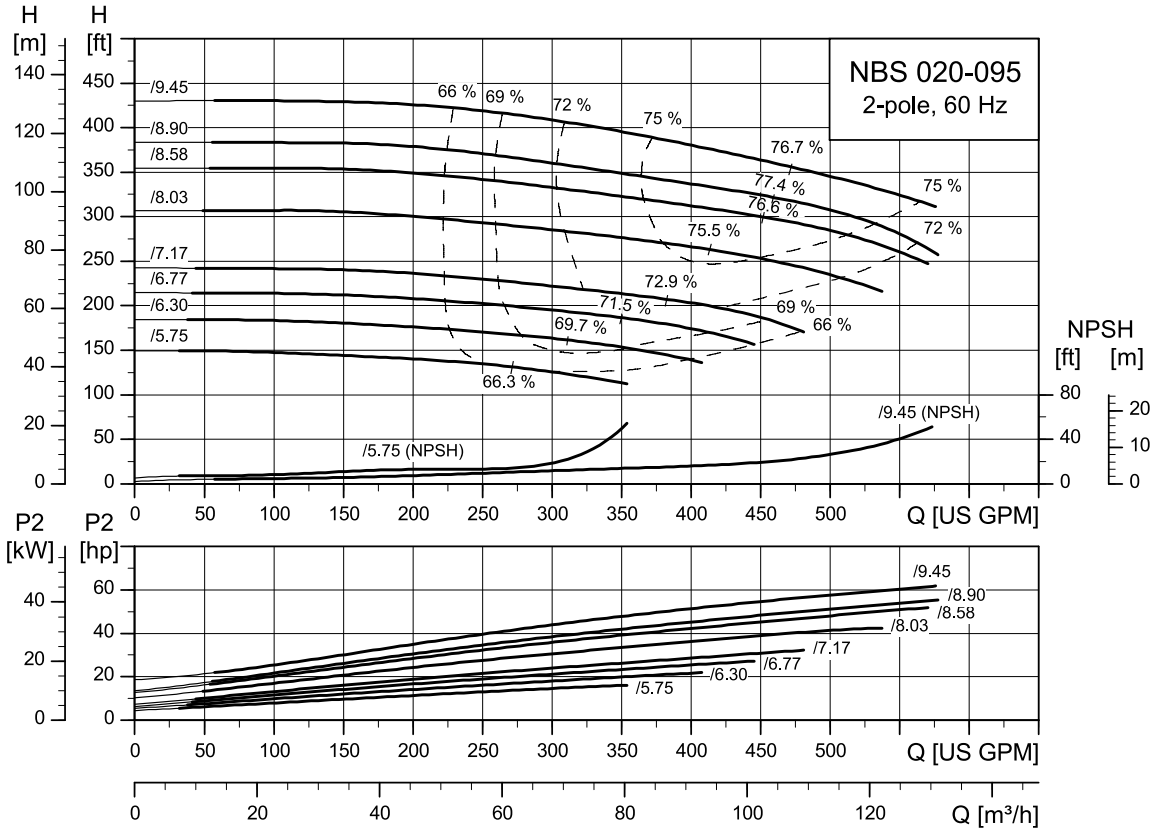
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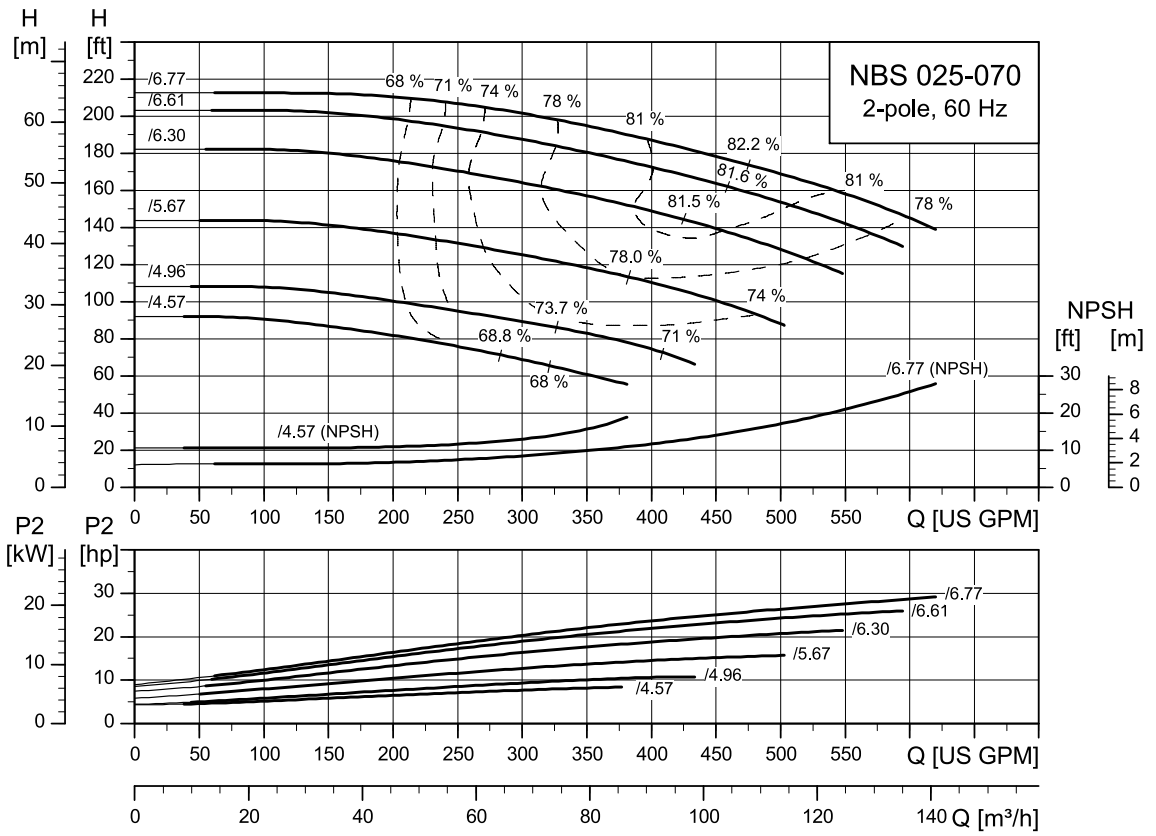
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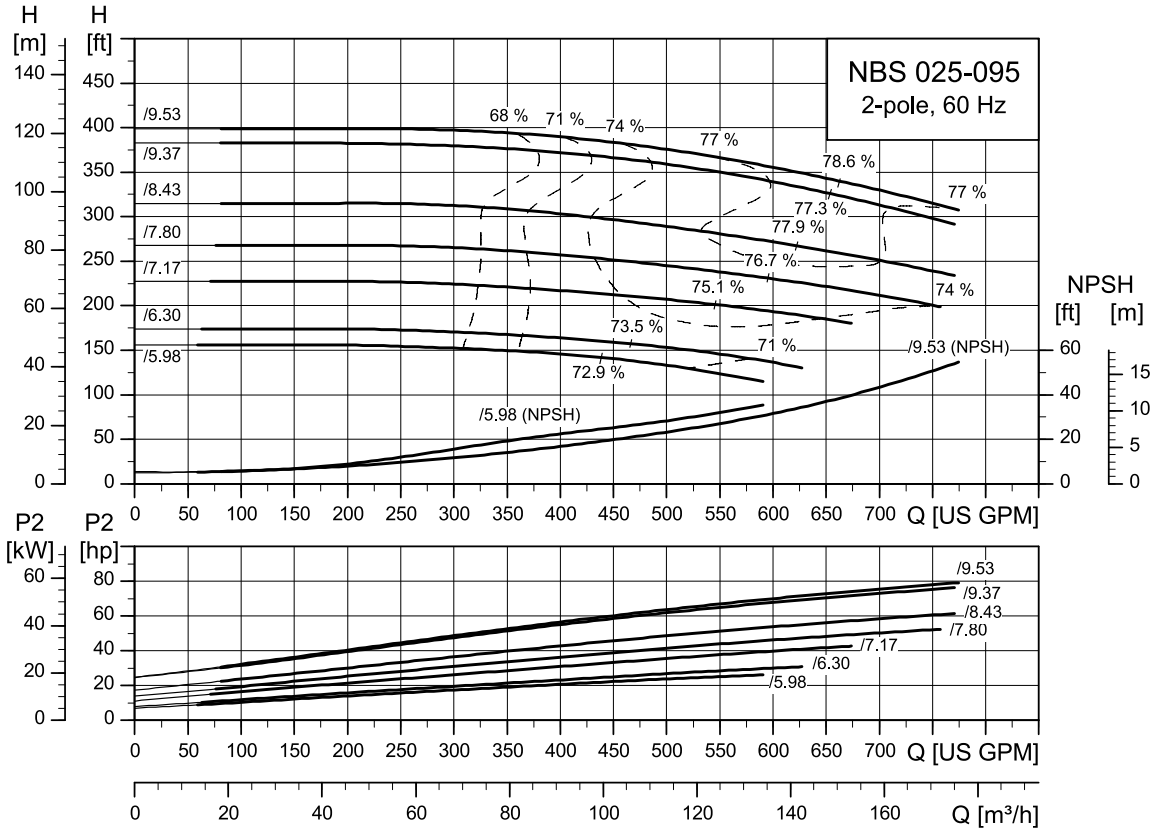
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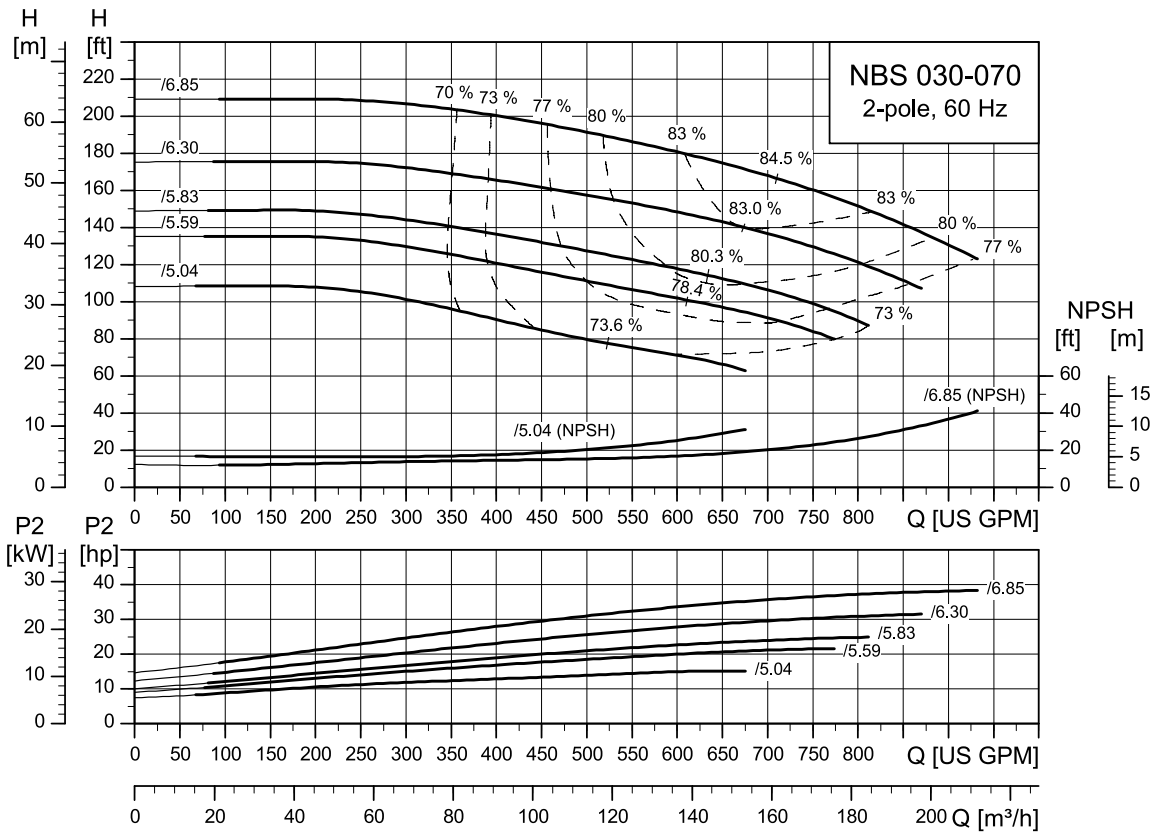
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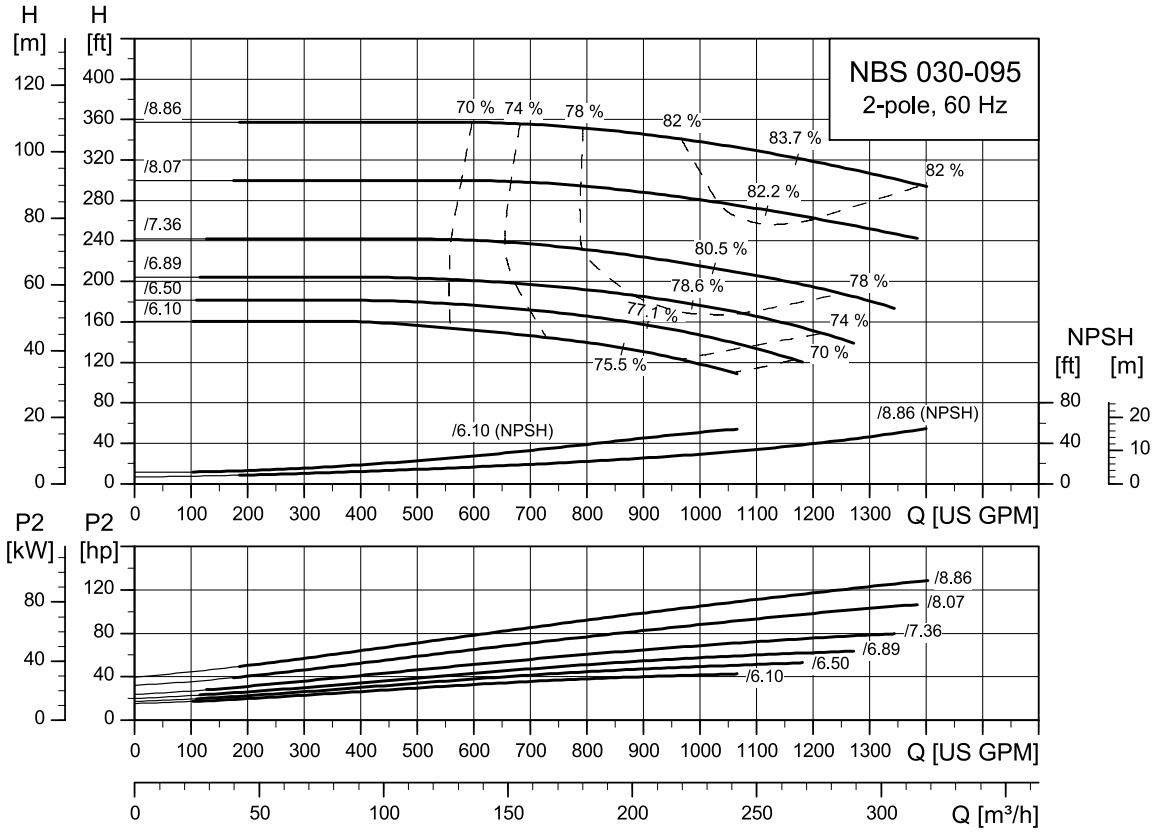
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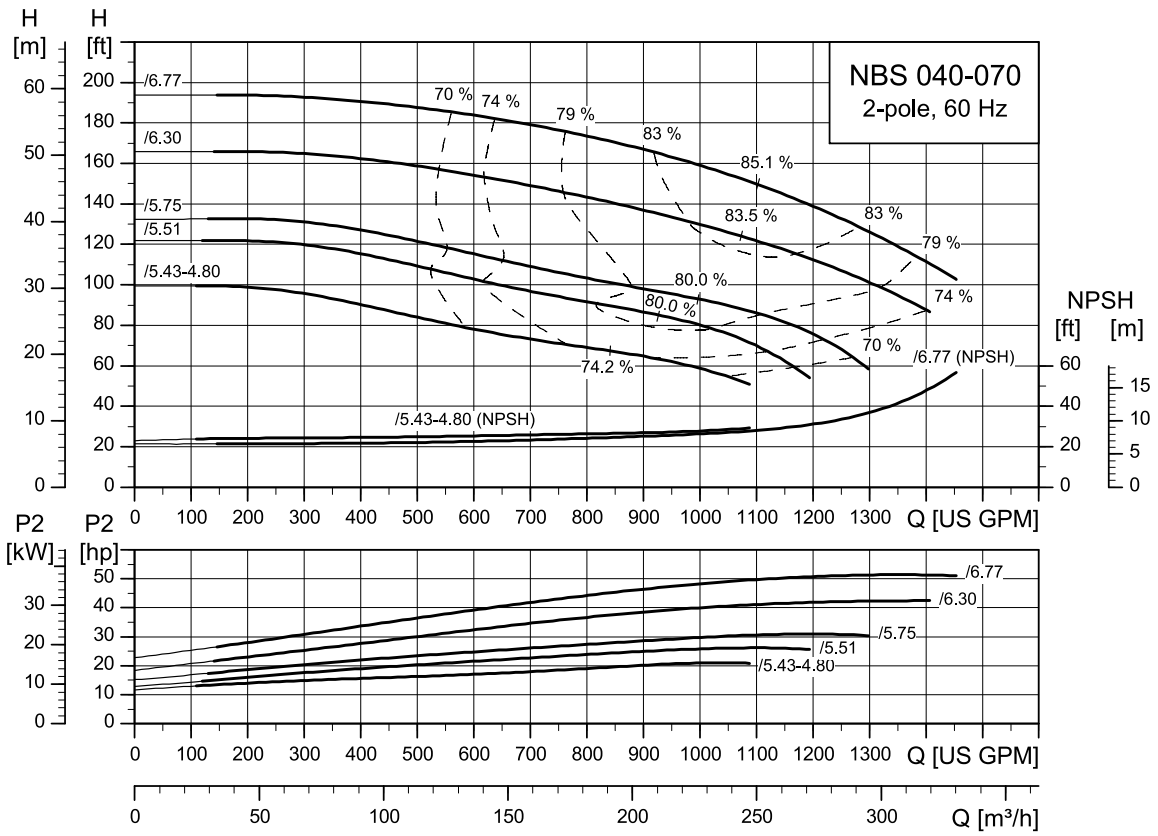
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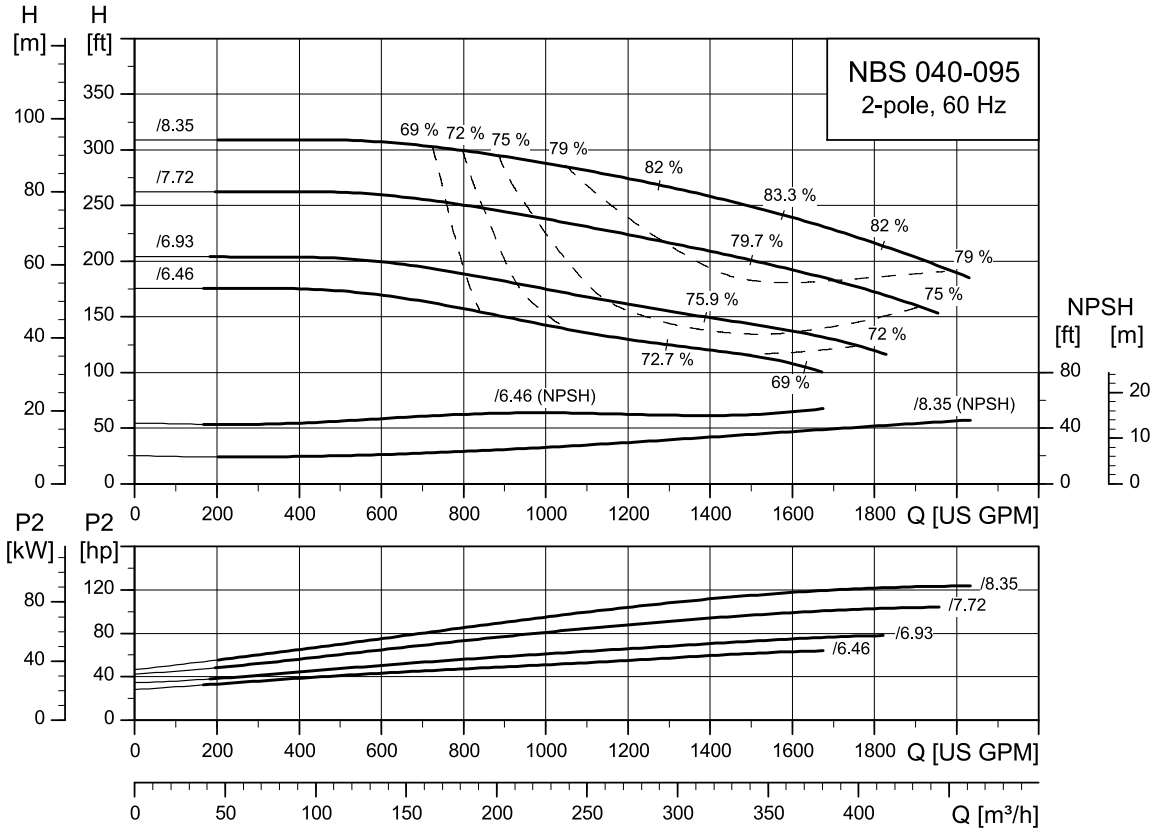
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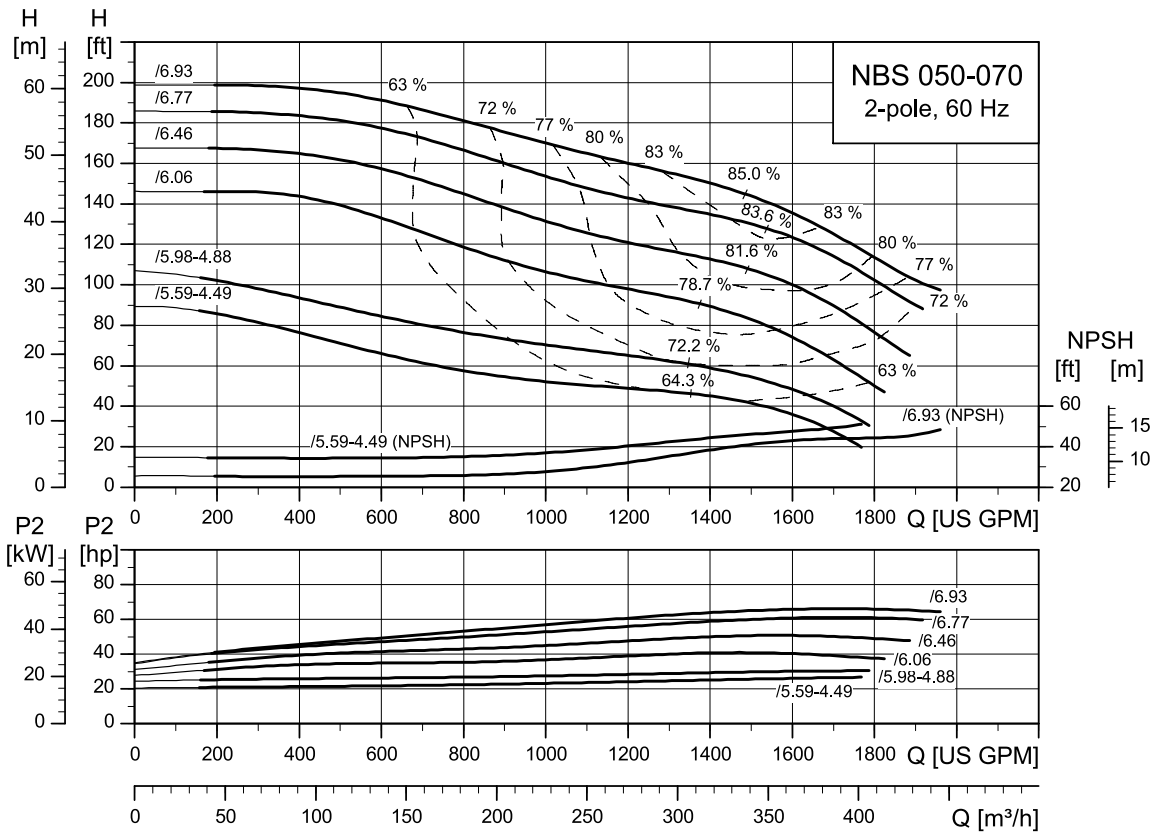
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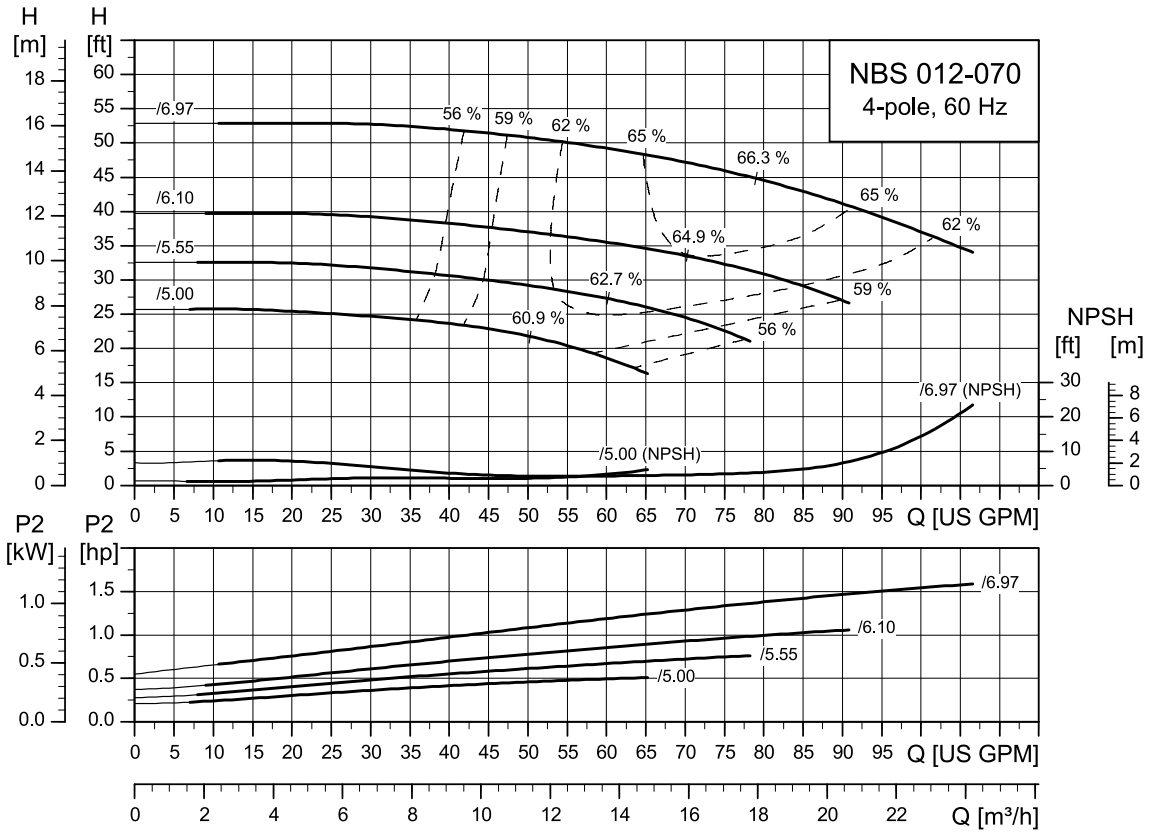
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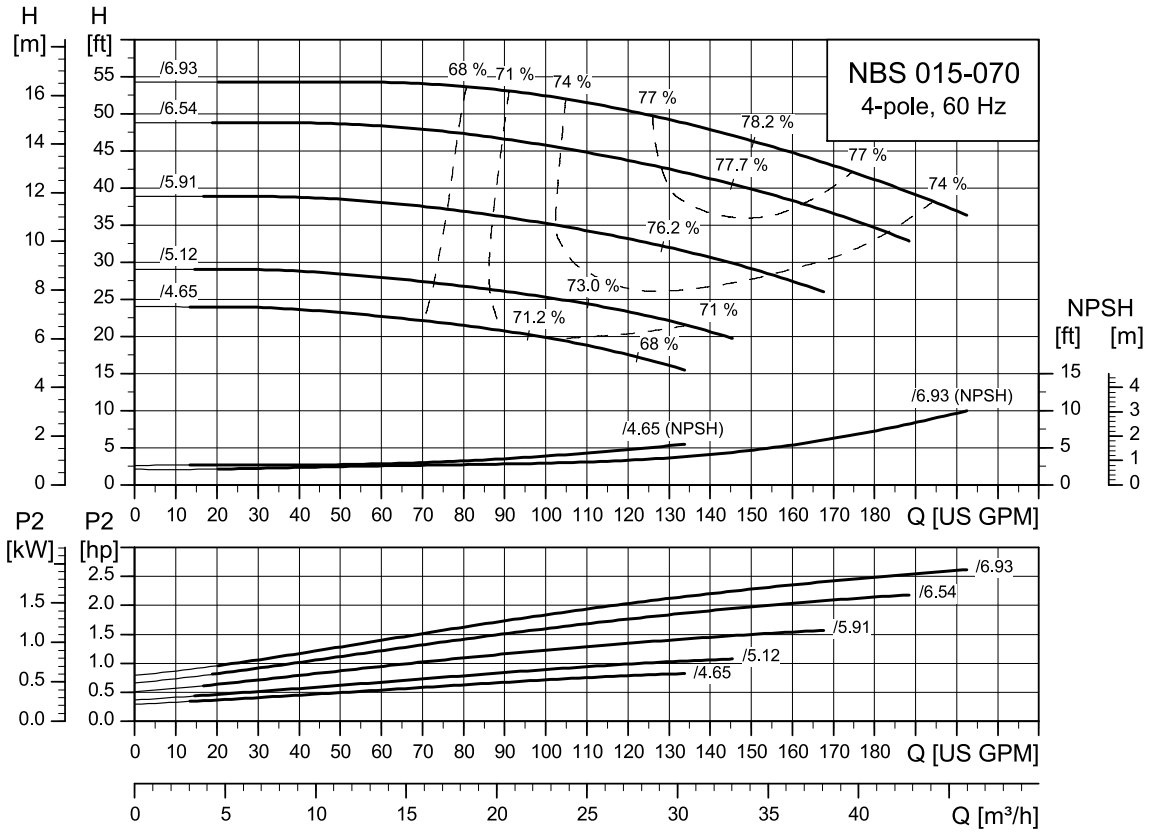
4-pole

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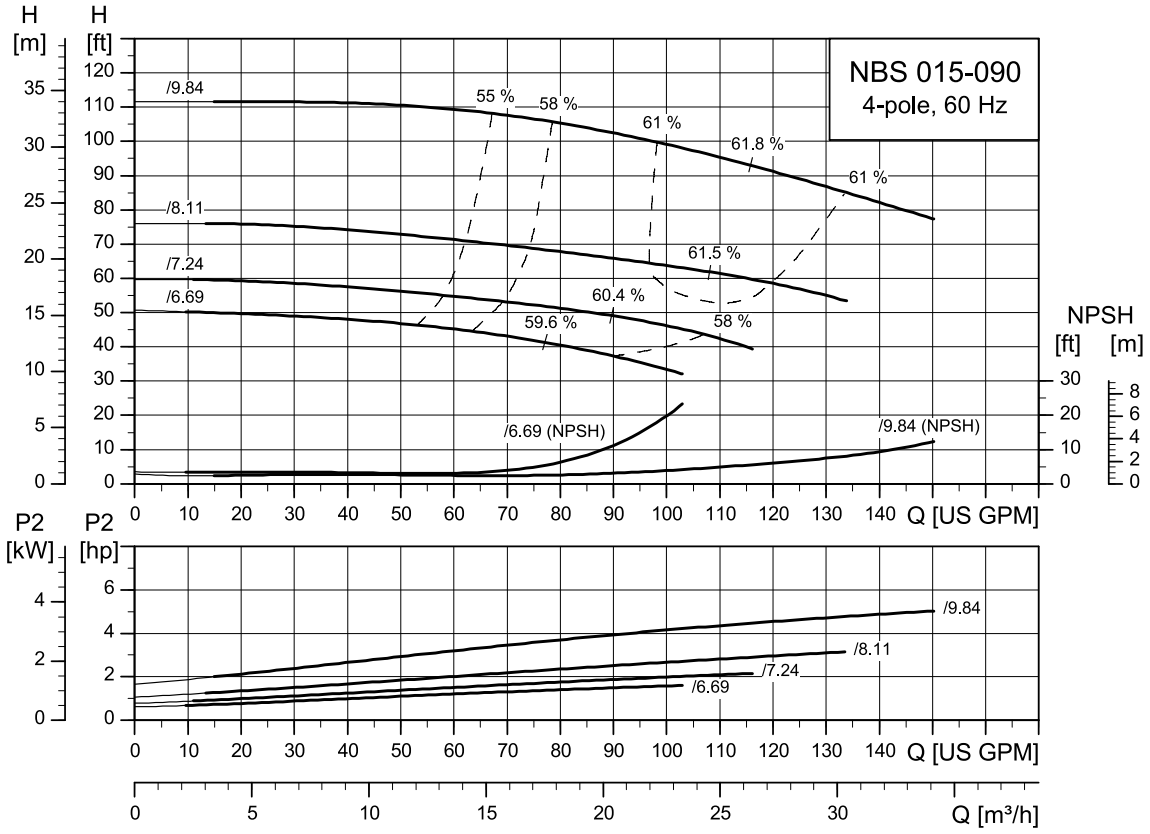
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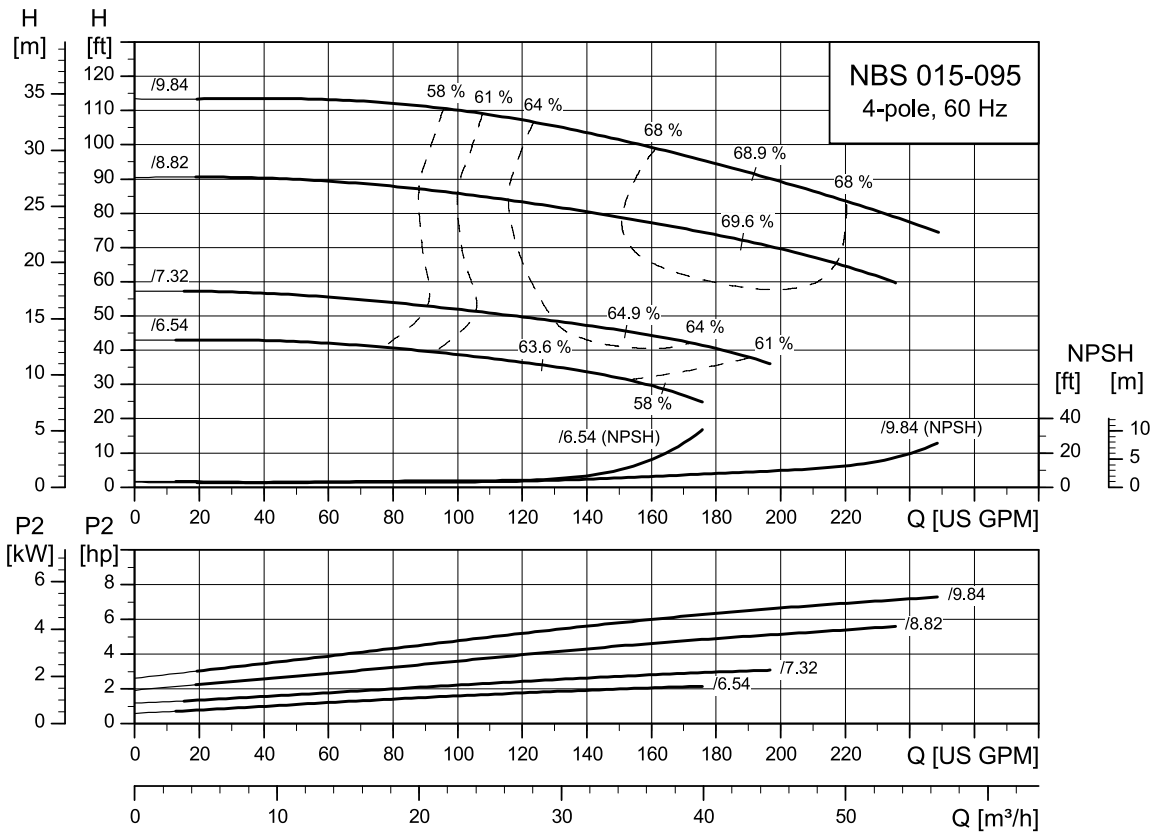
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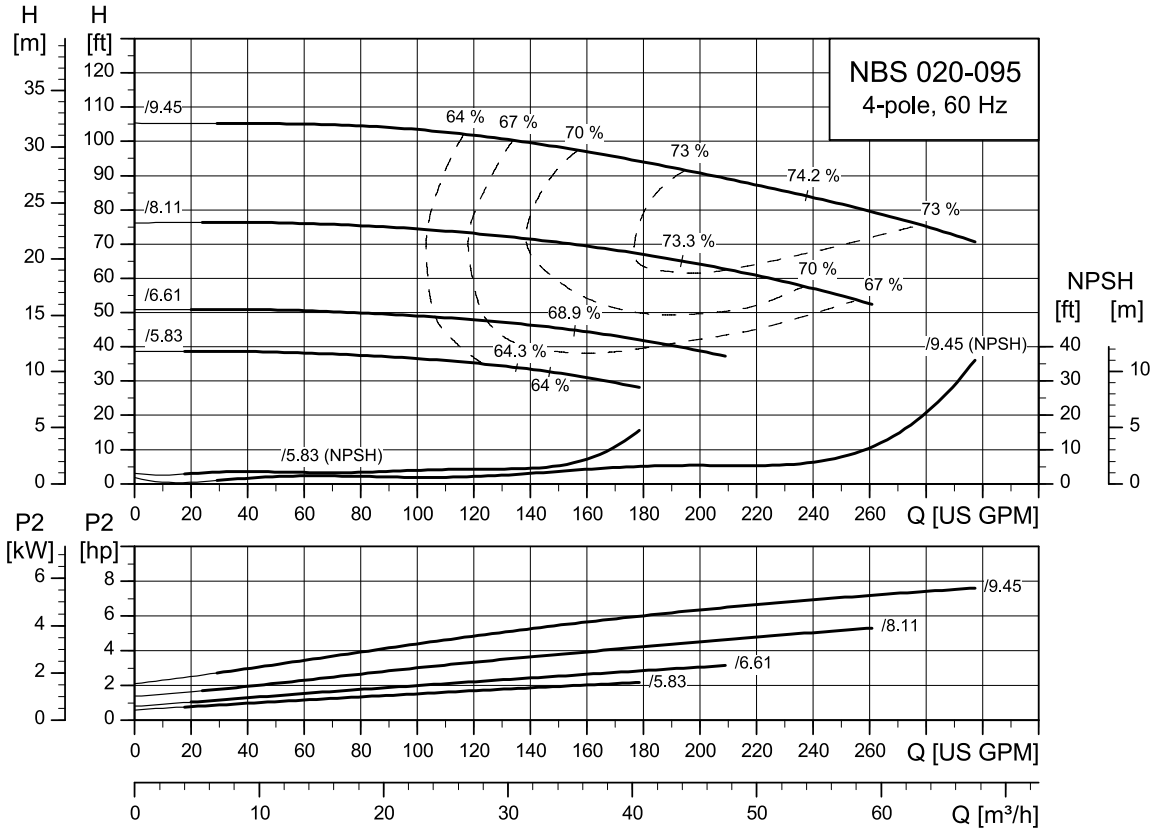
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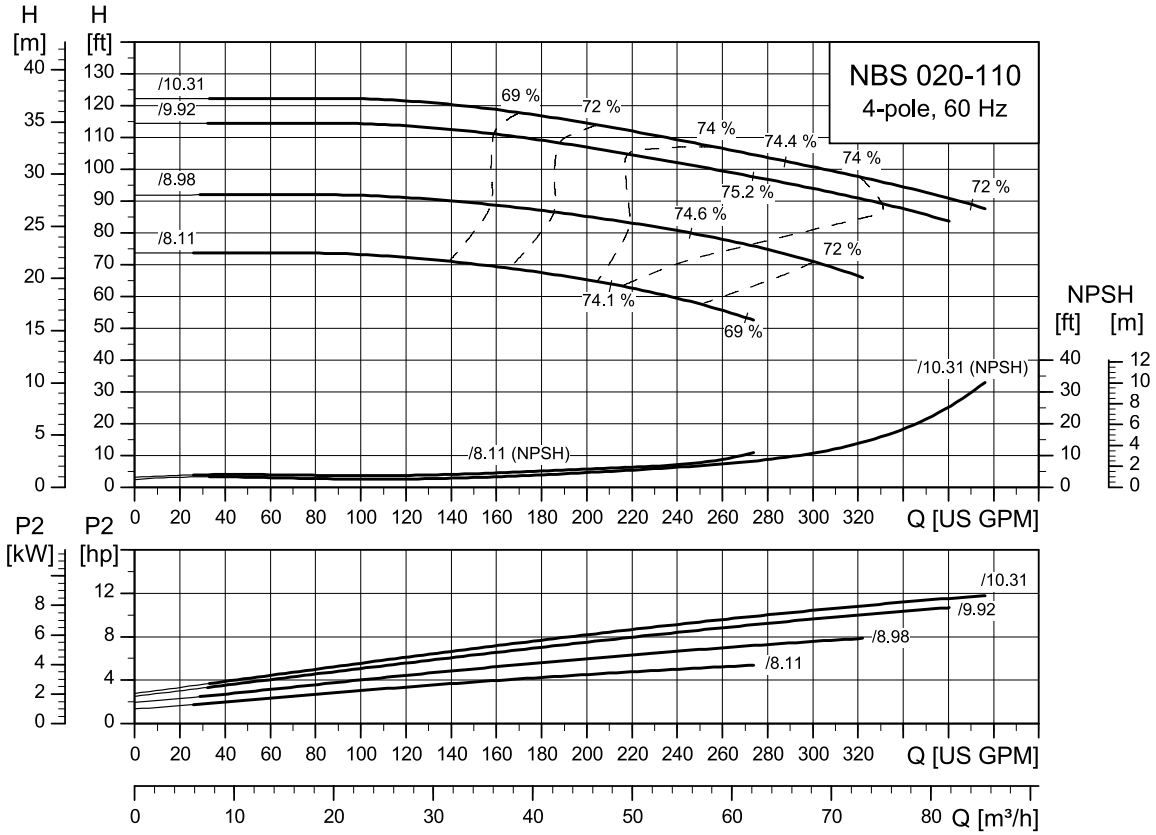
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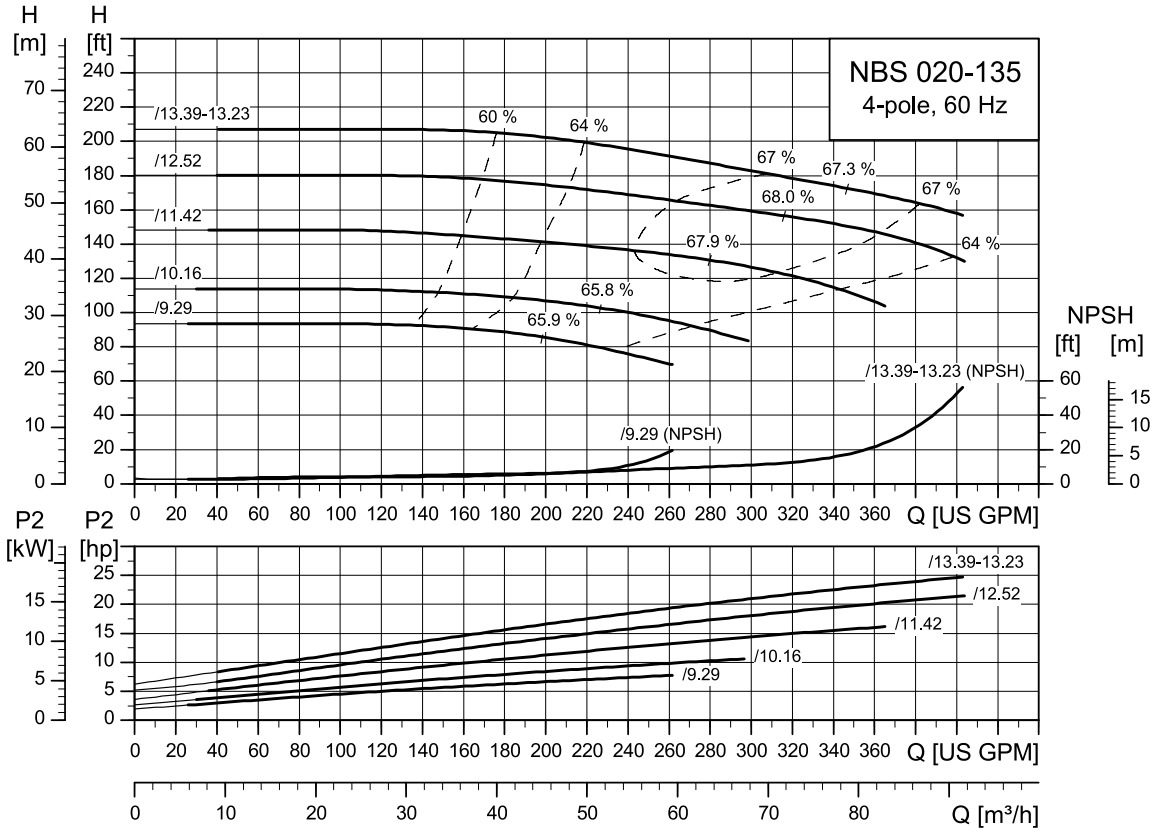
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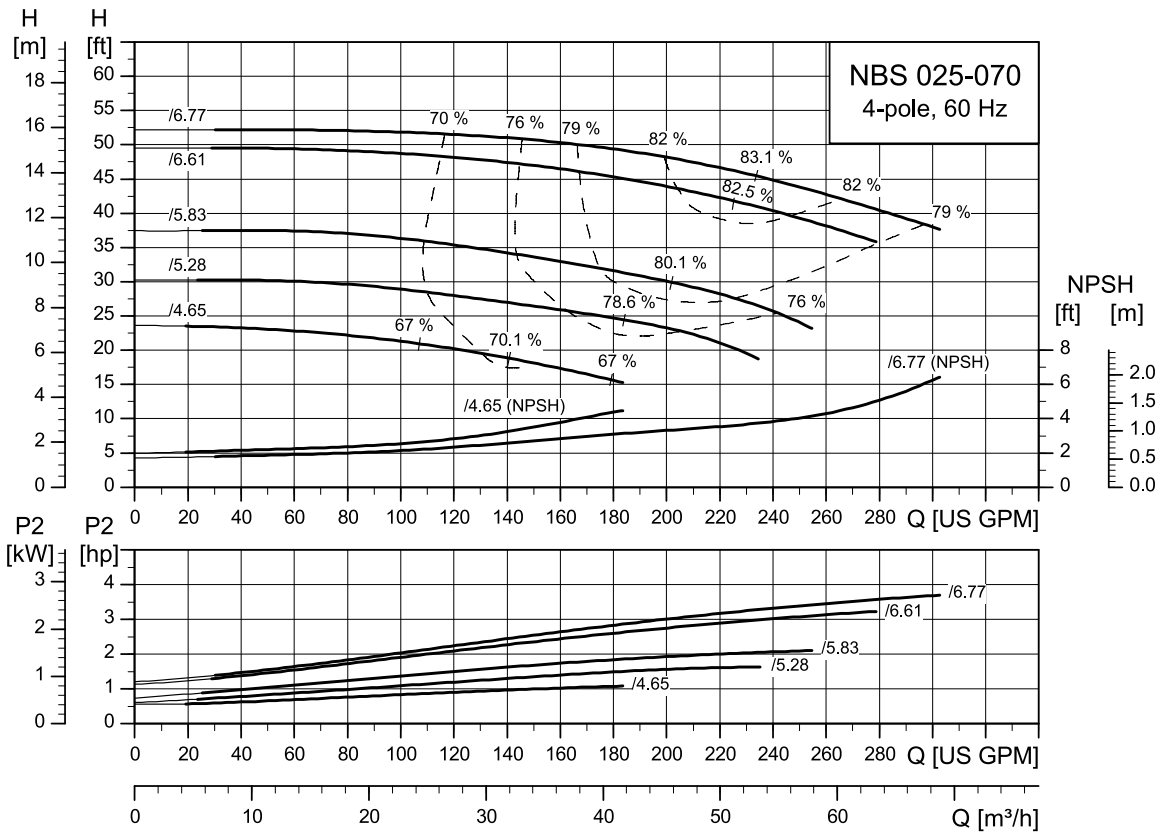
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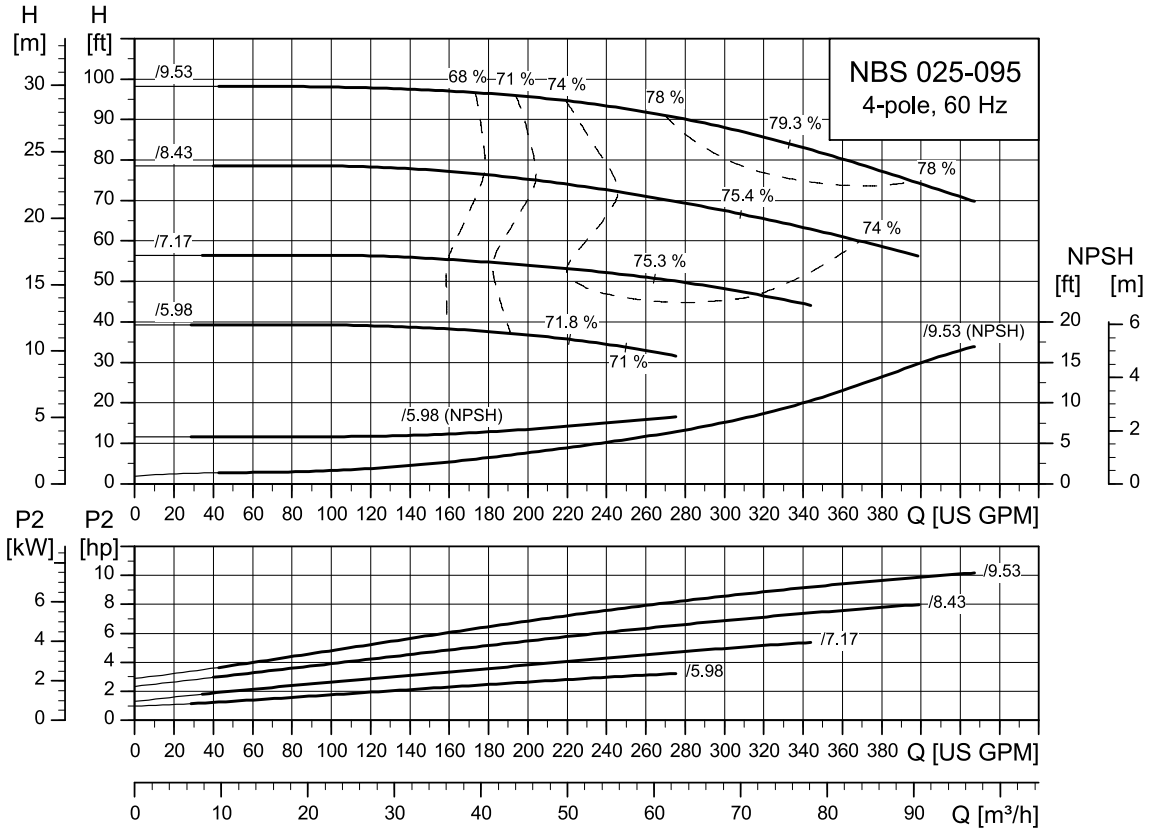
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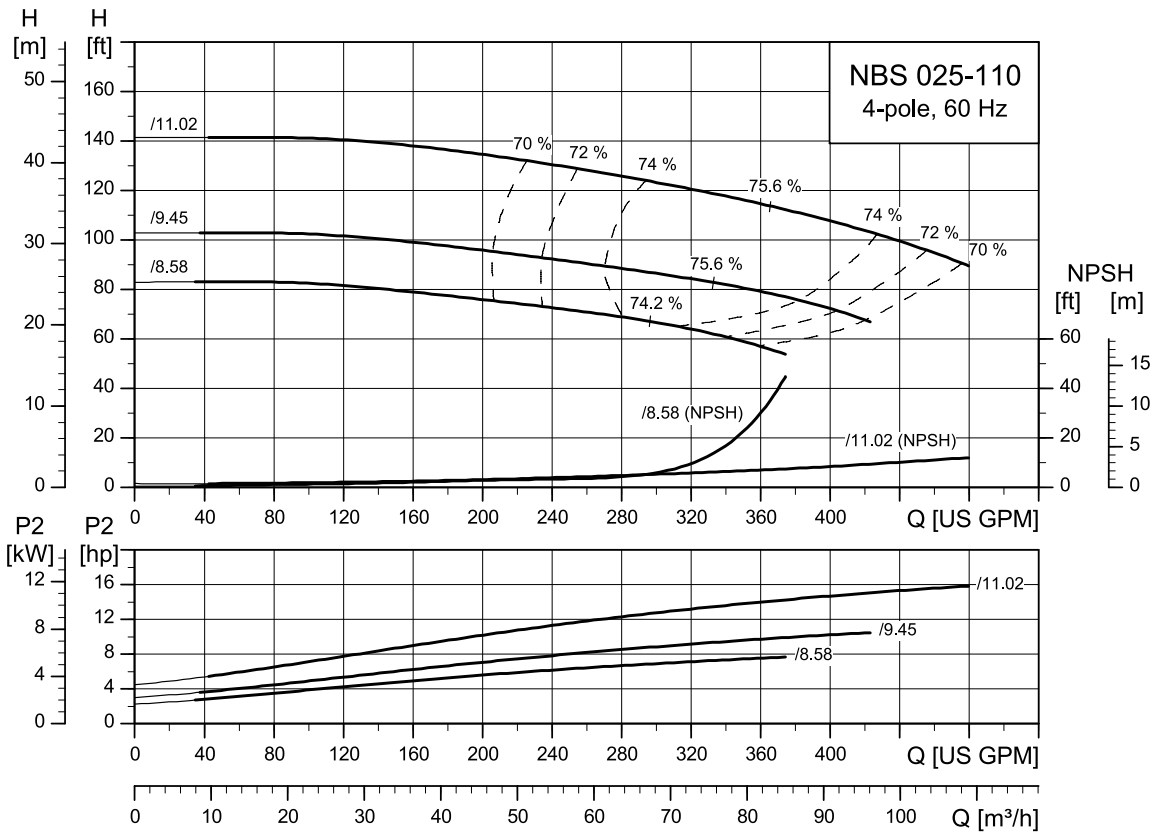
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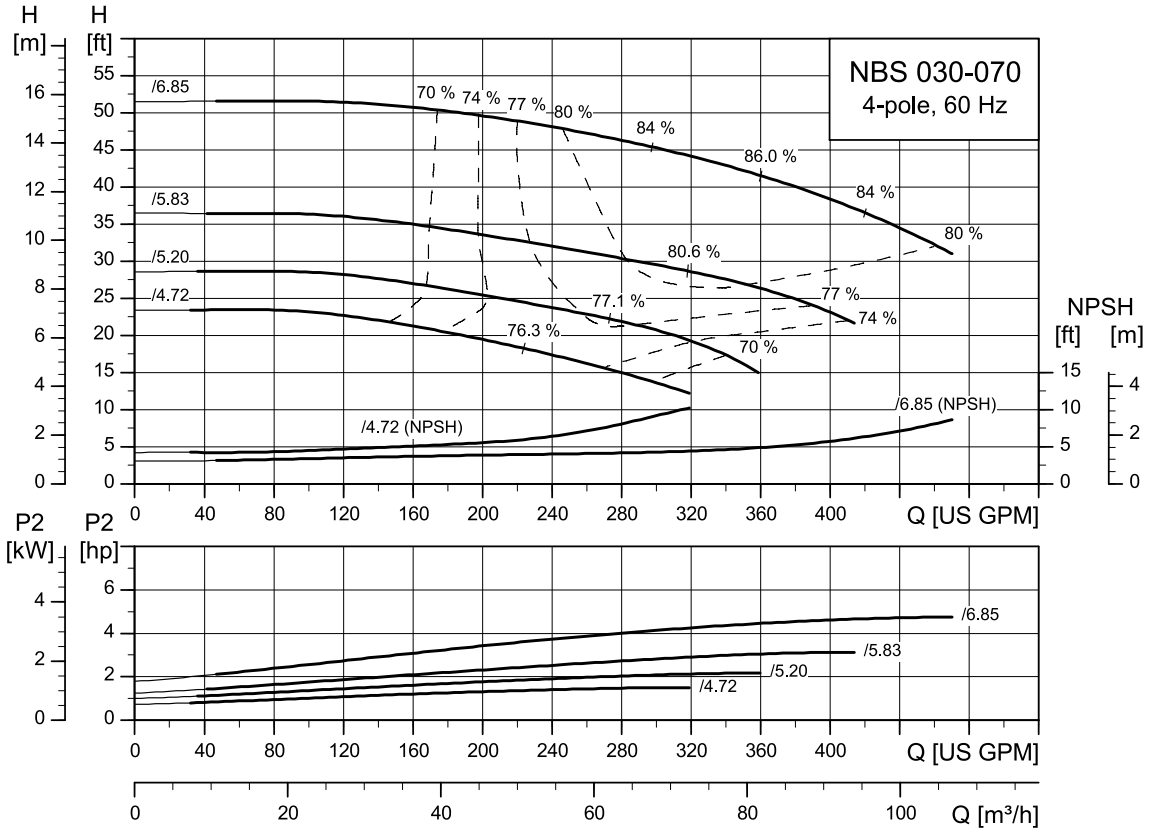
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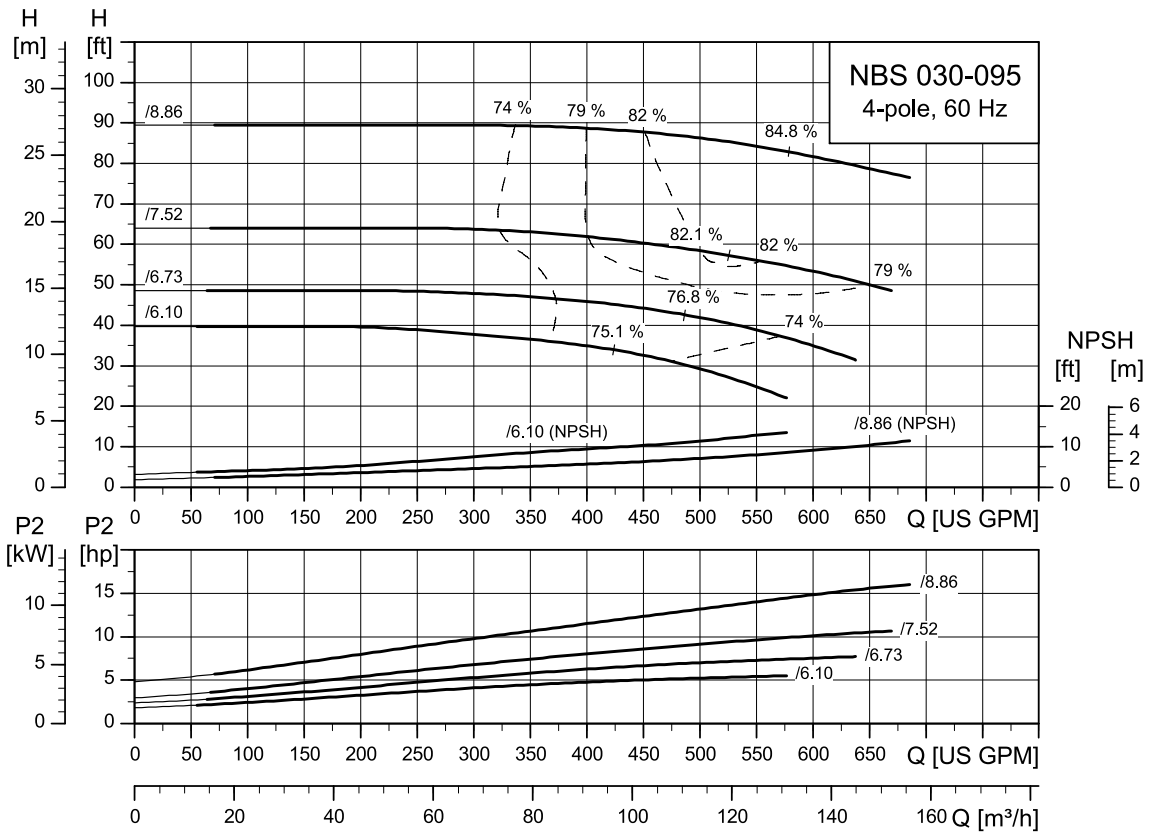
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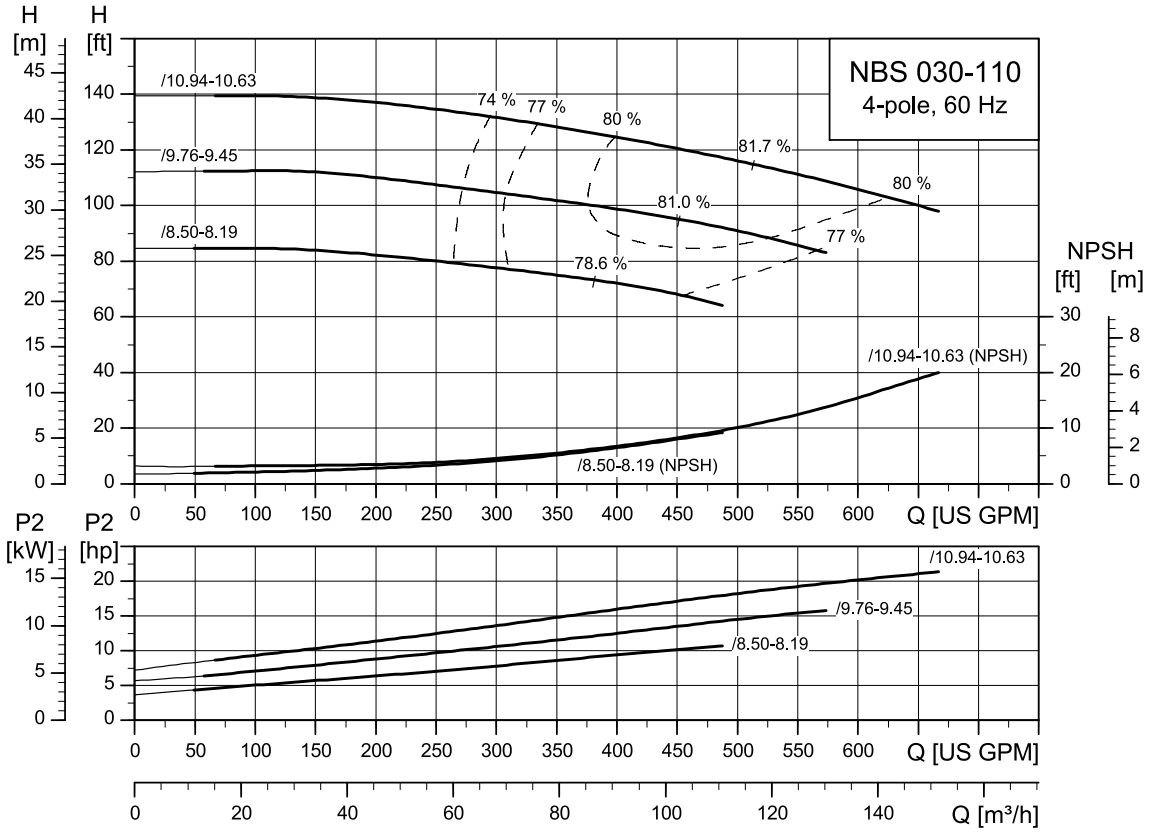
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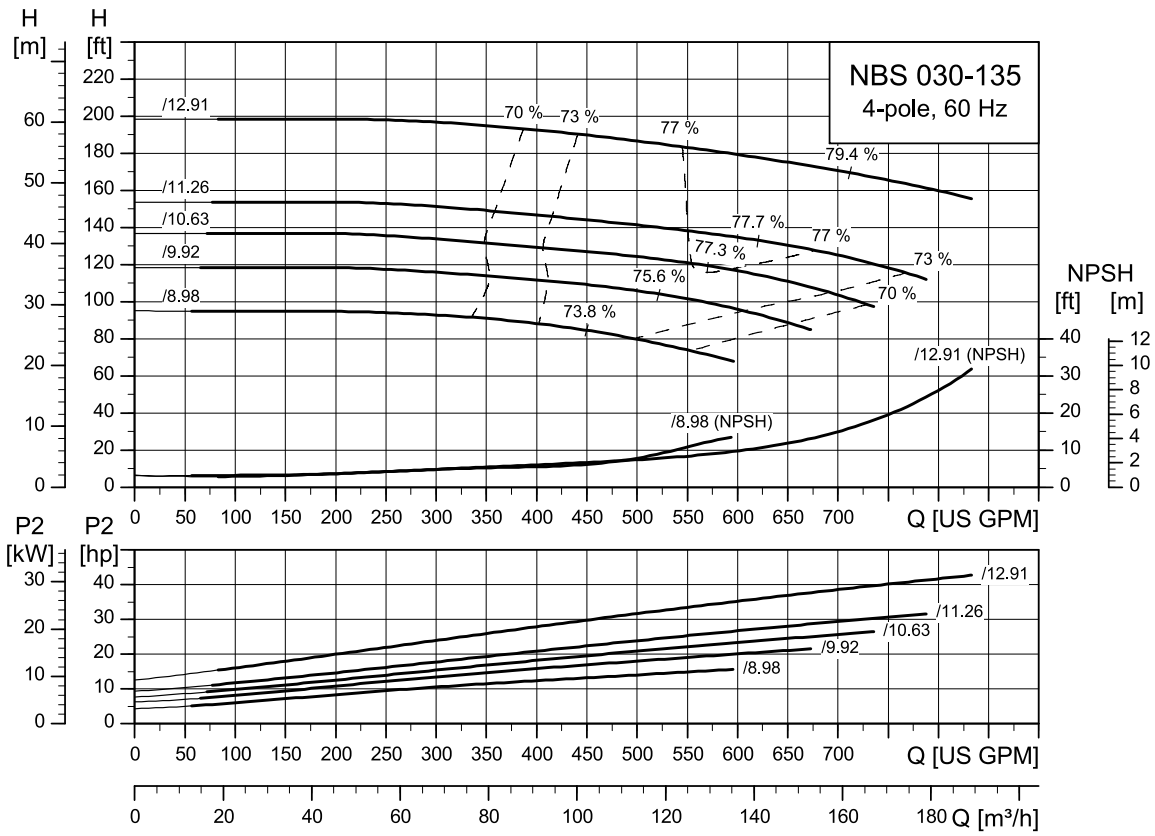
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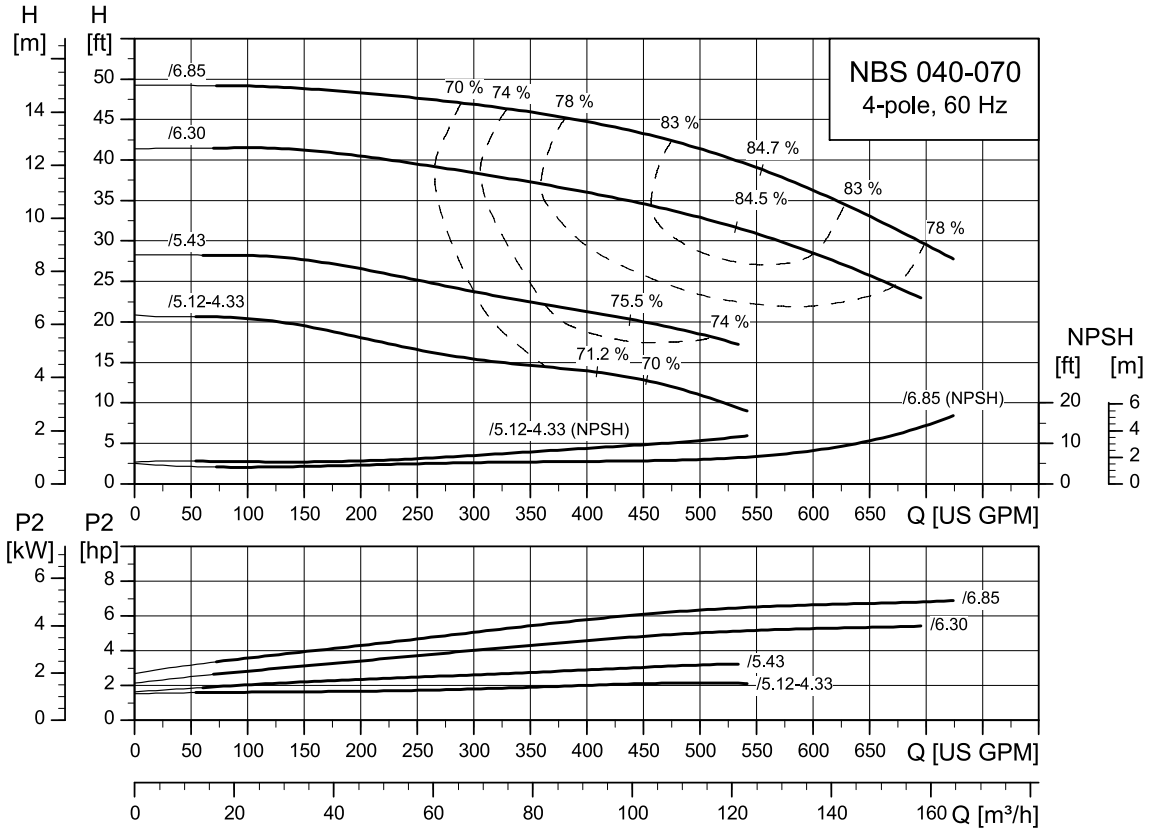
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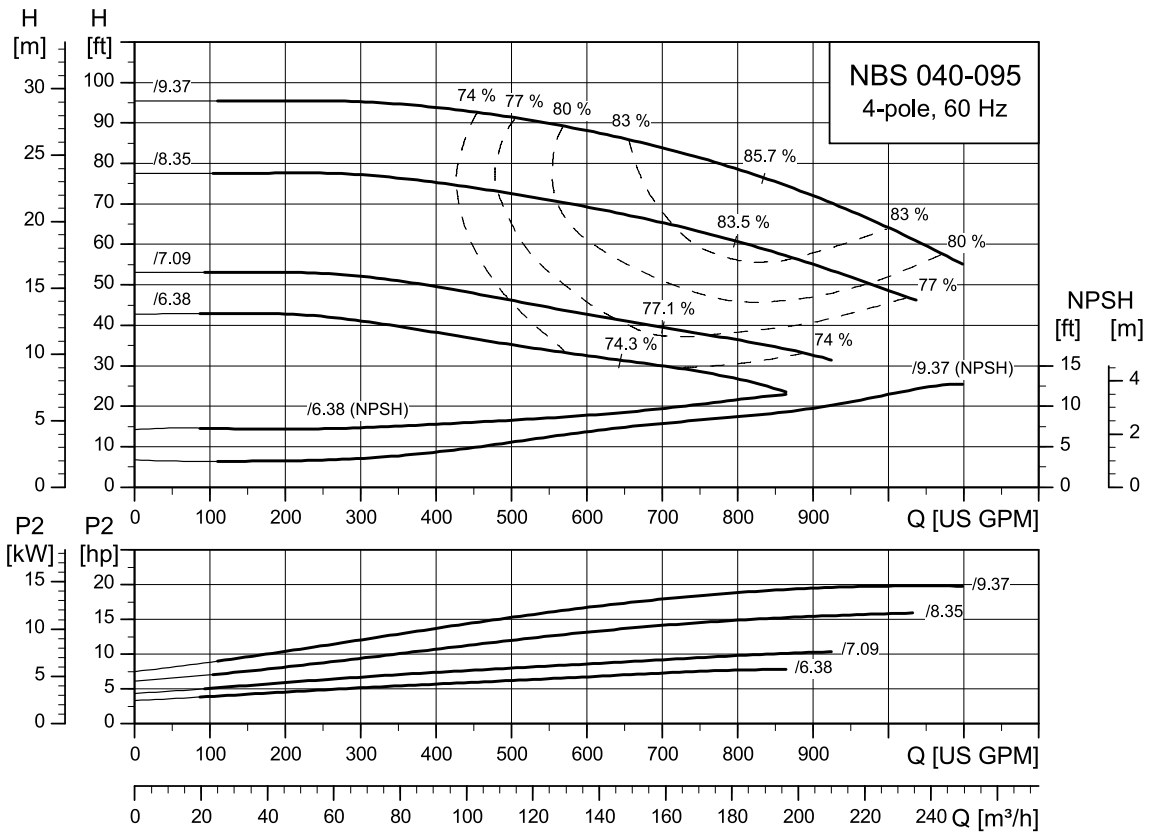
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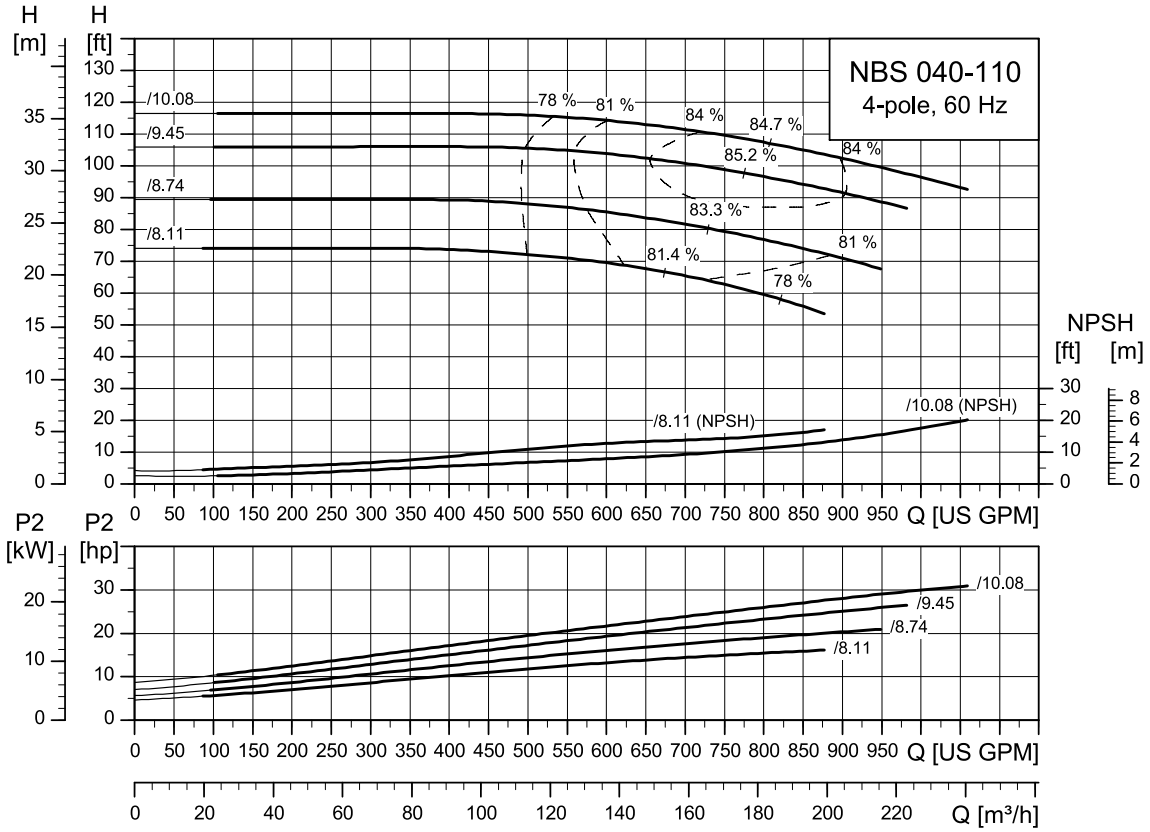
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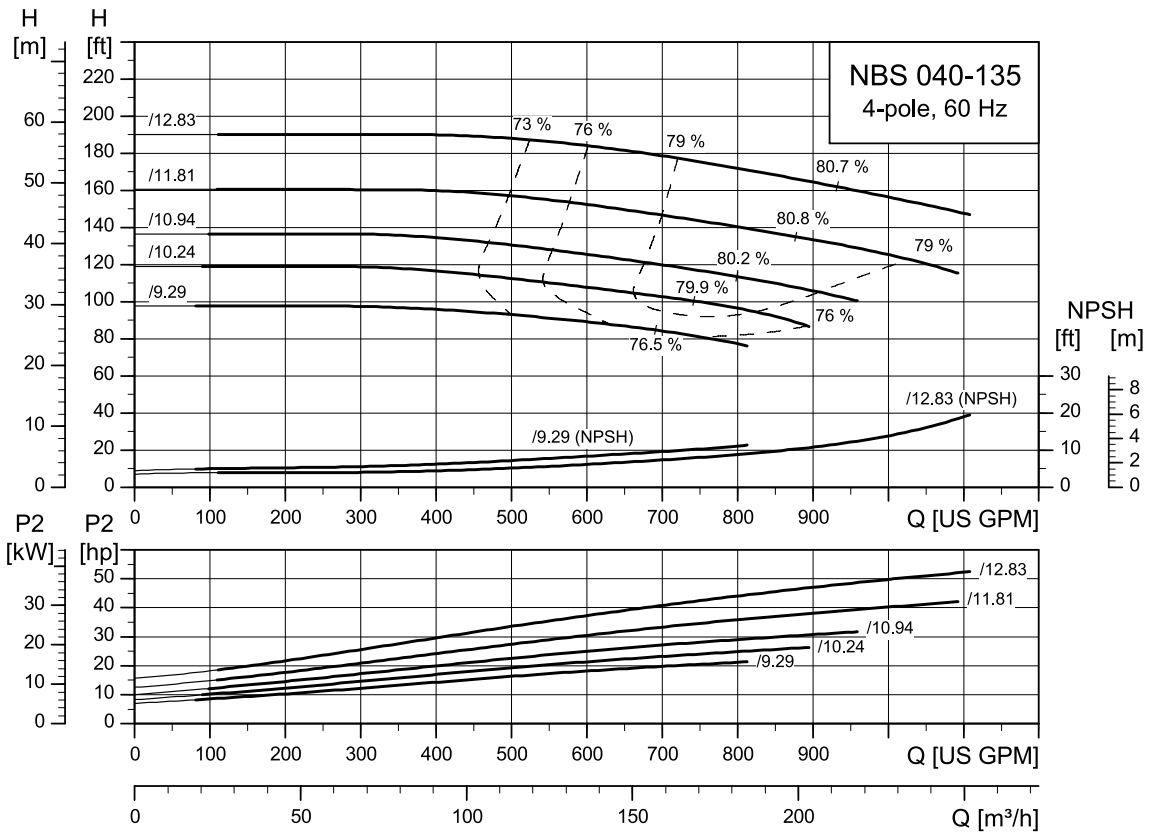
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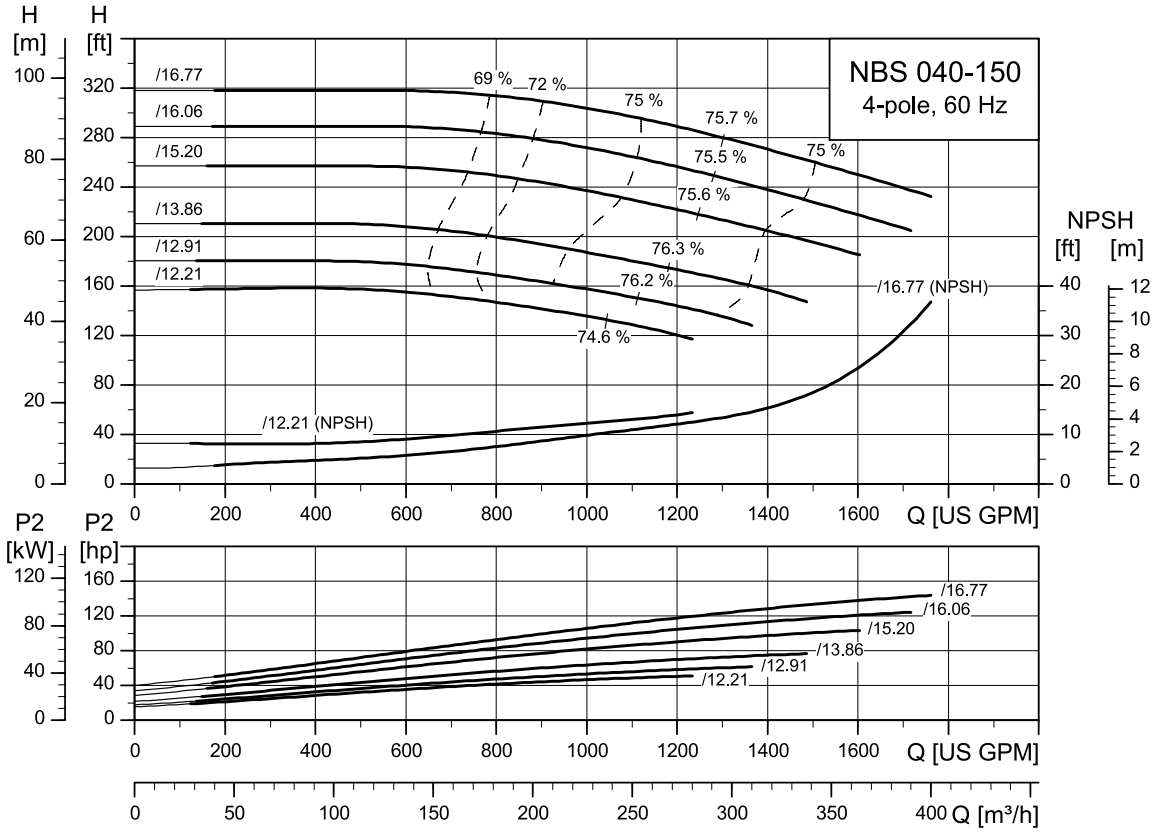
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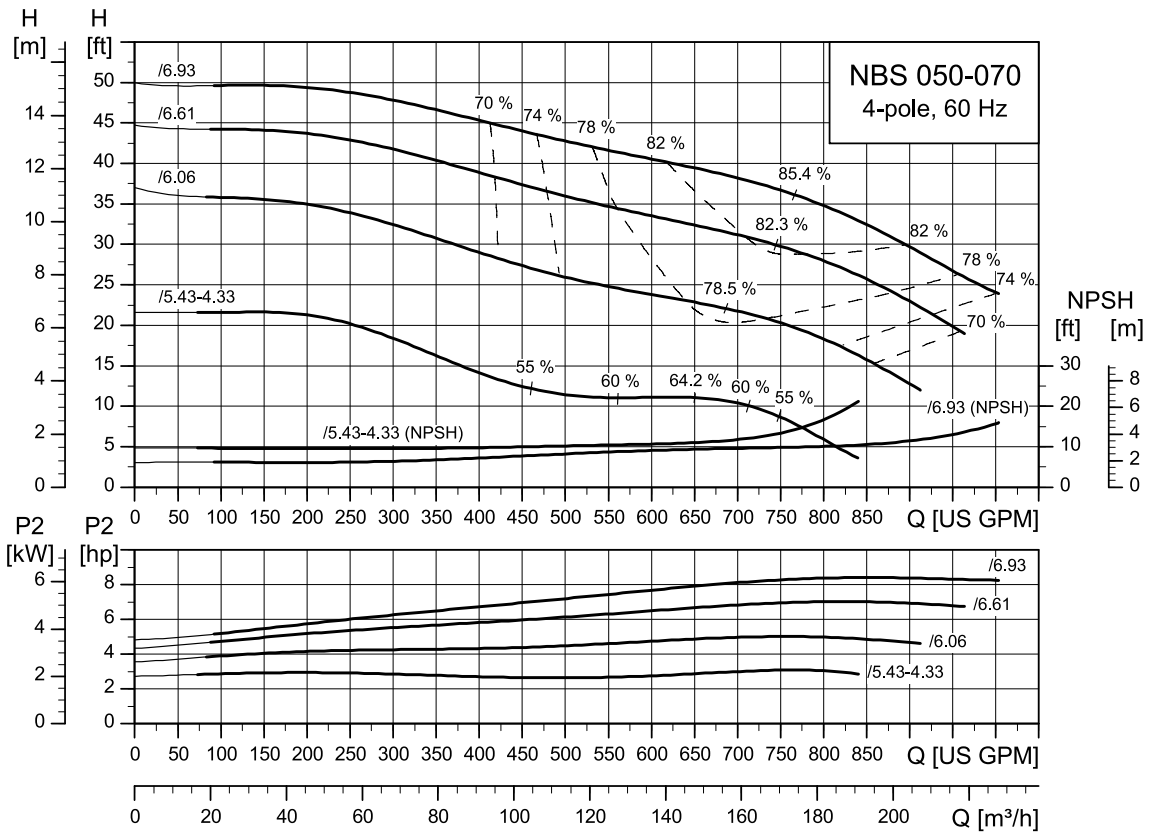
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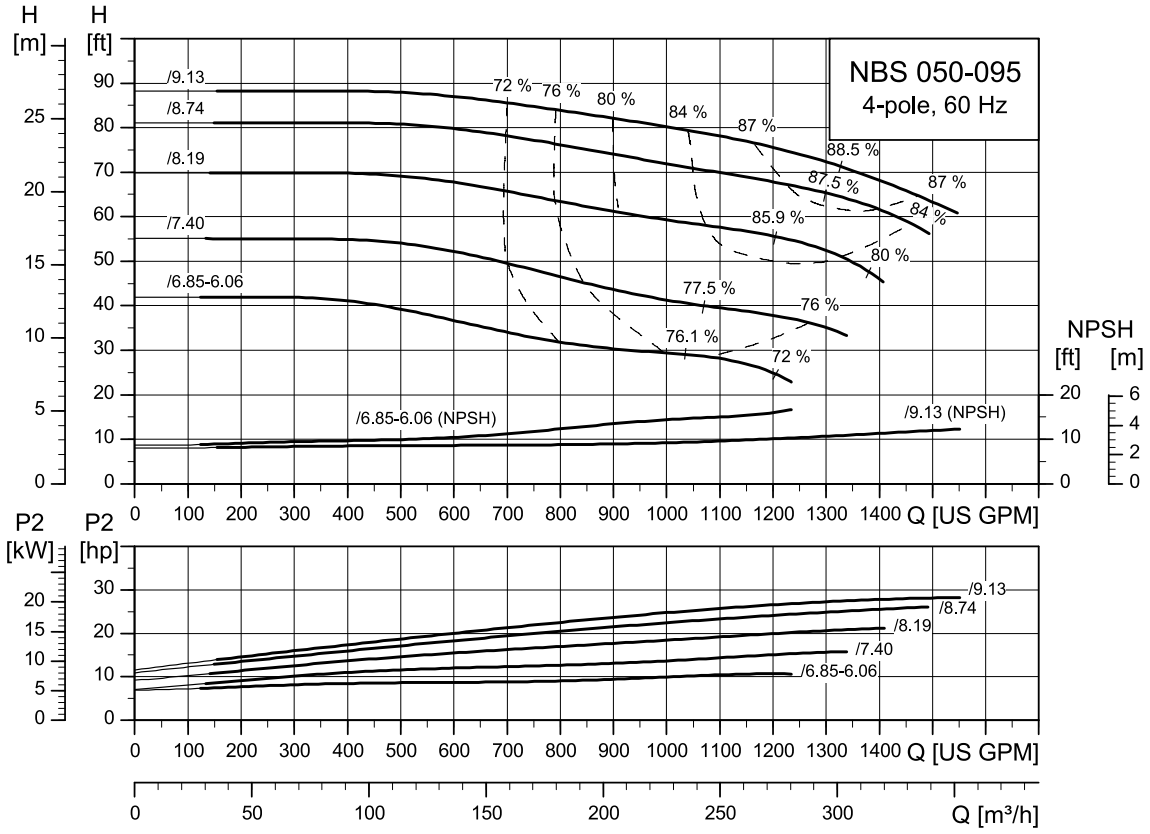
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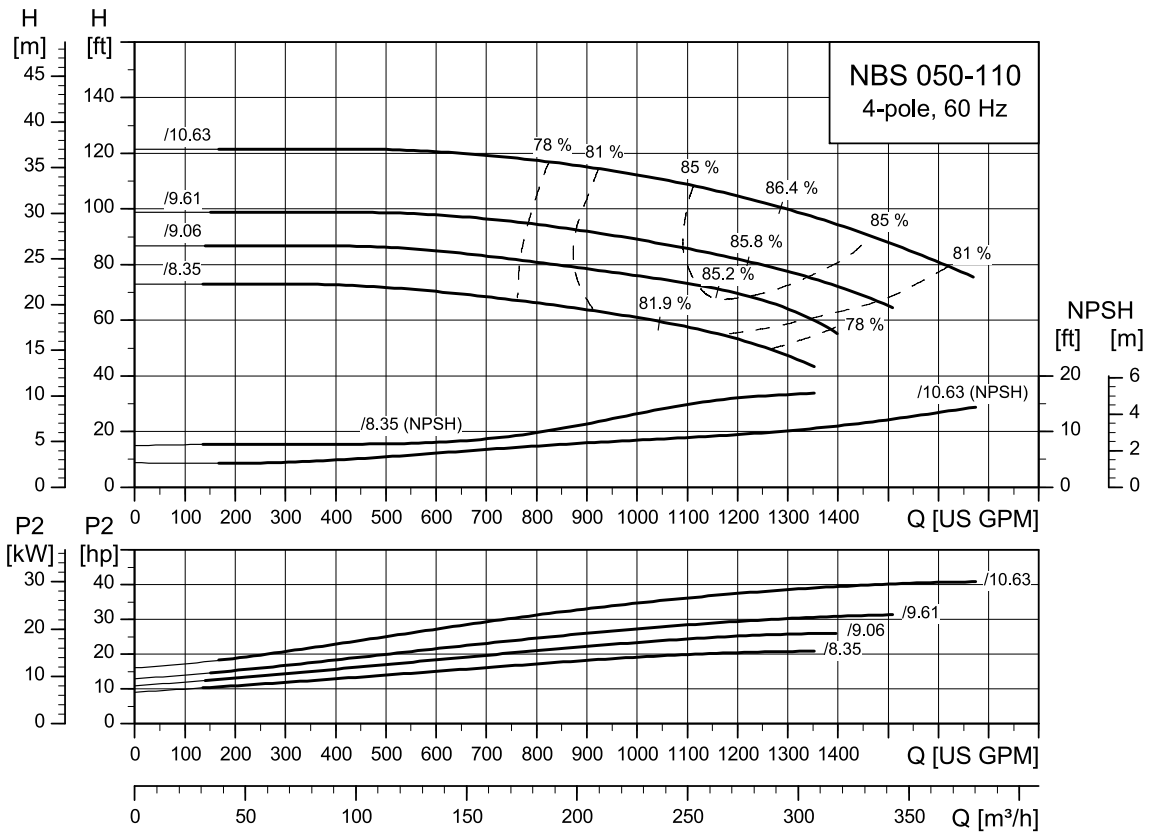
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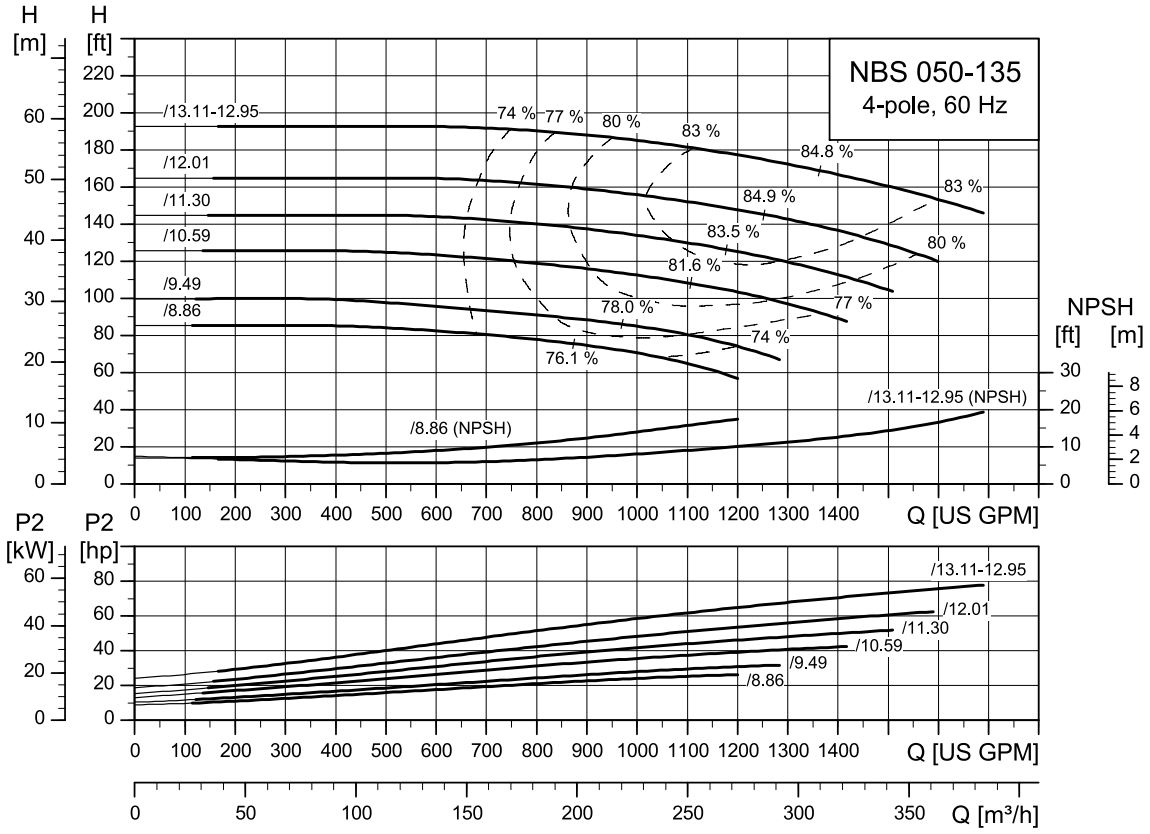
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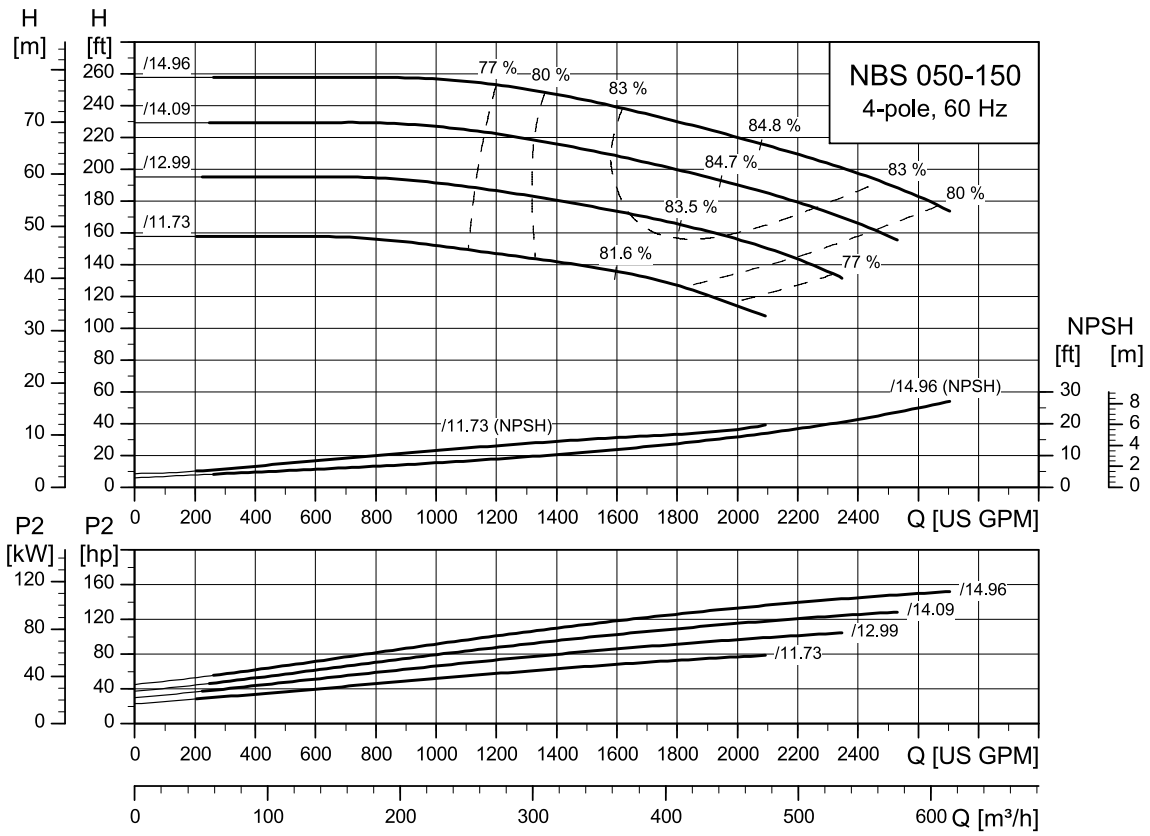
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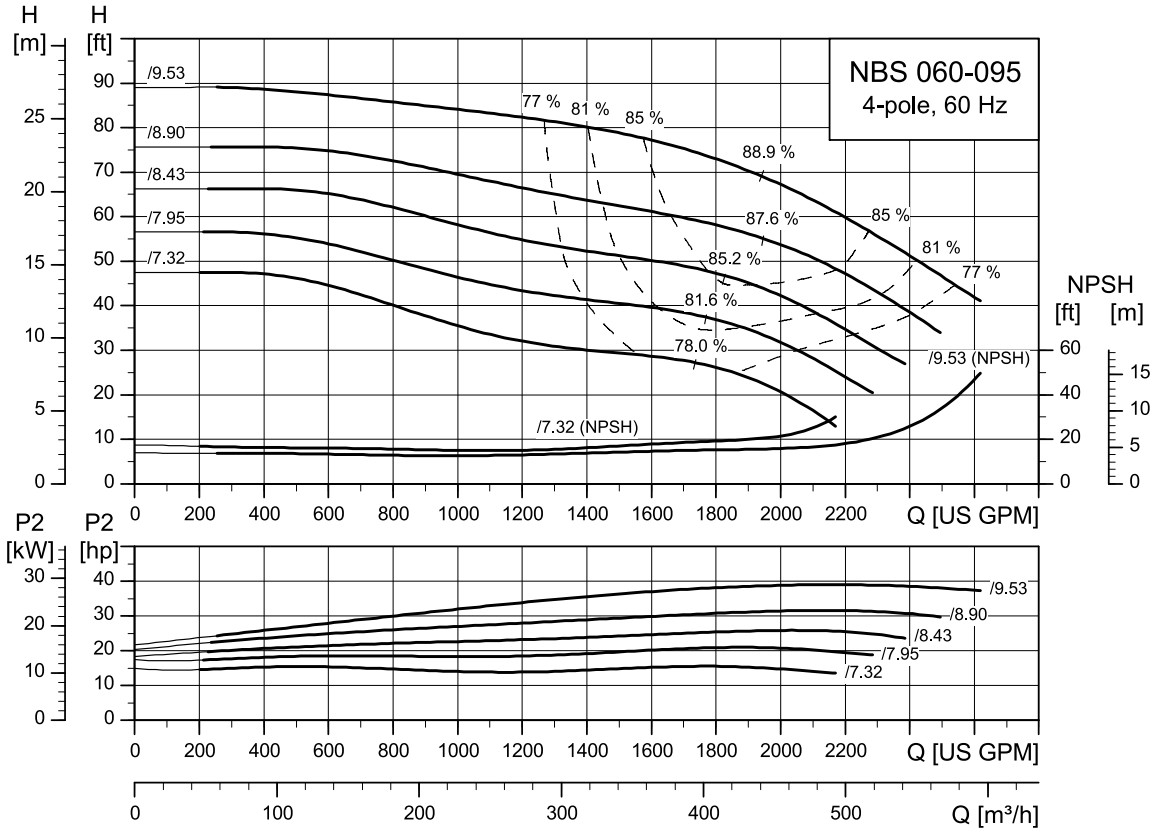
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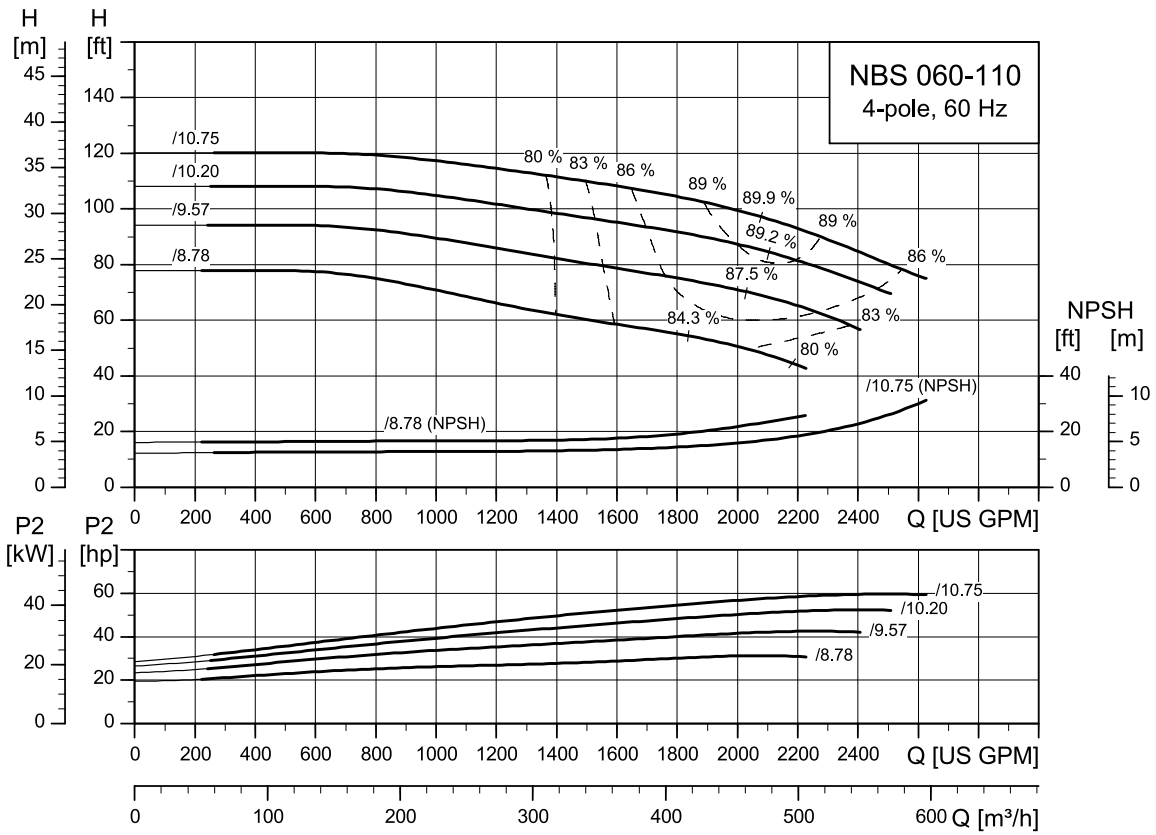
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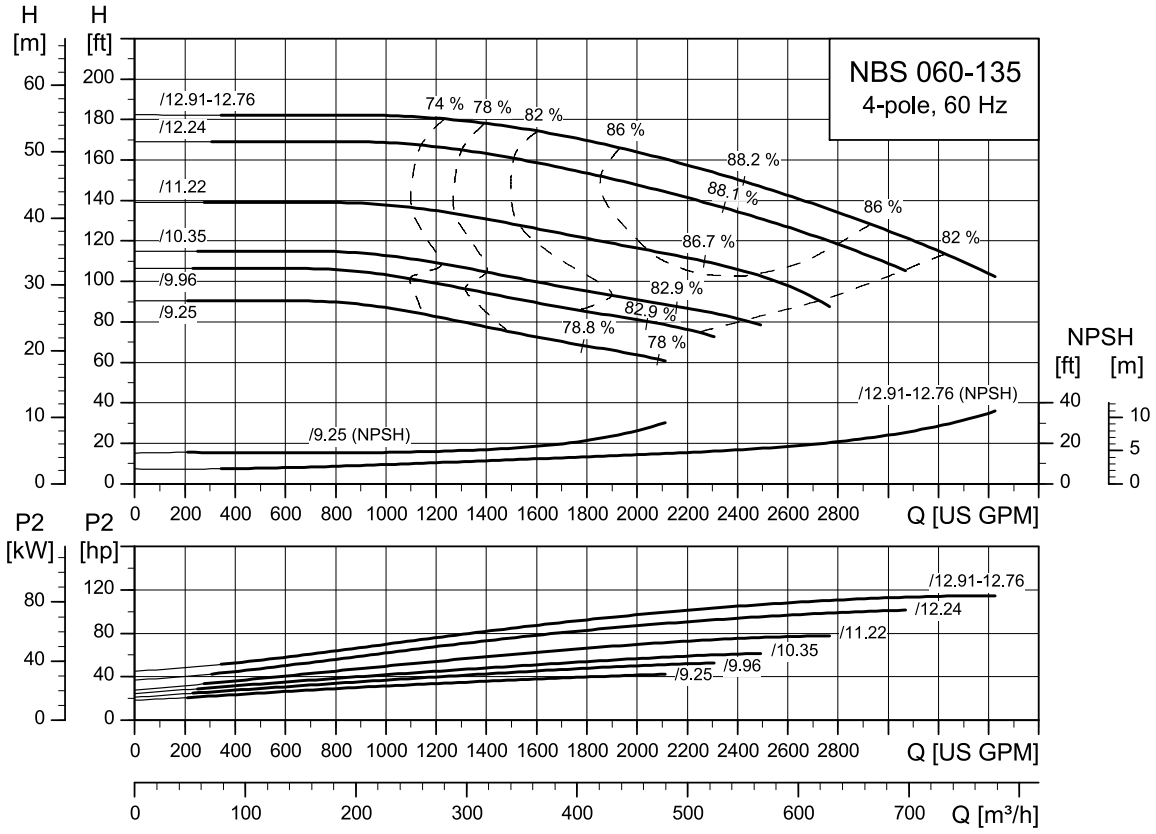
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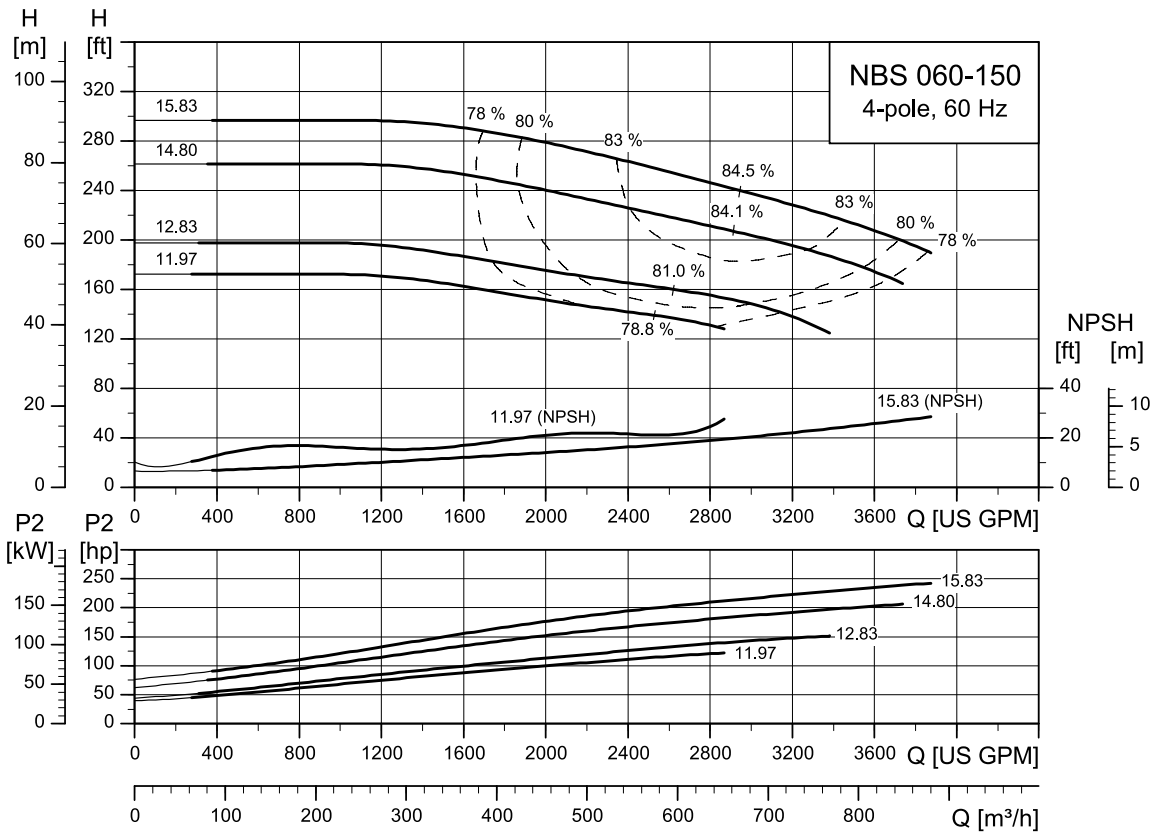
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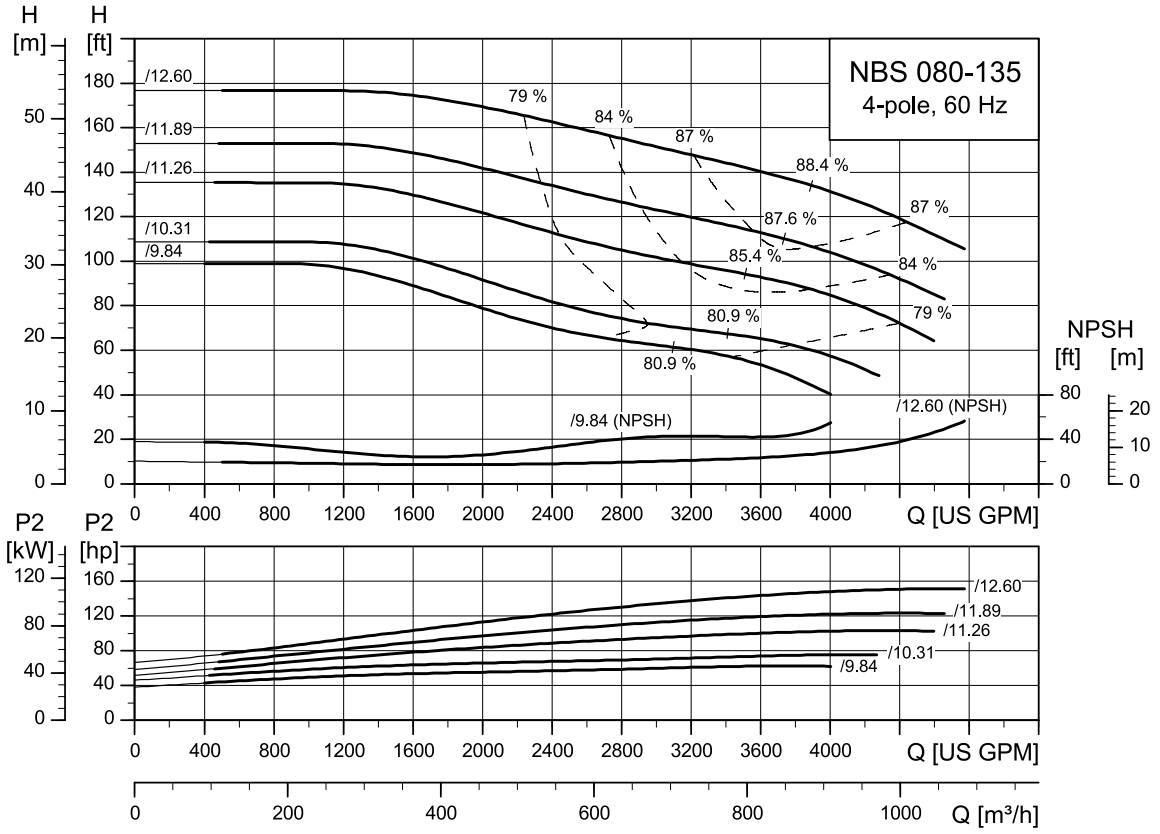
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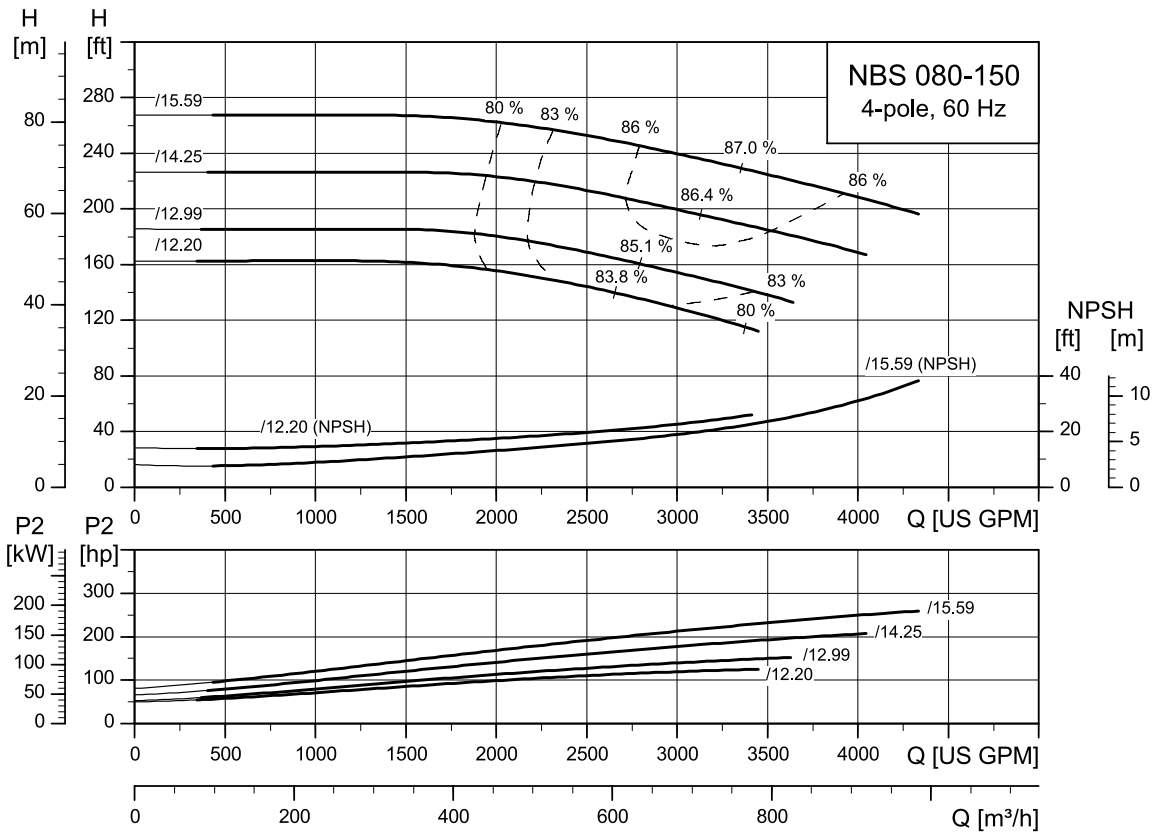
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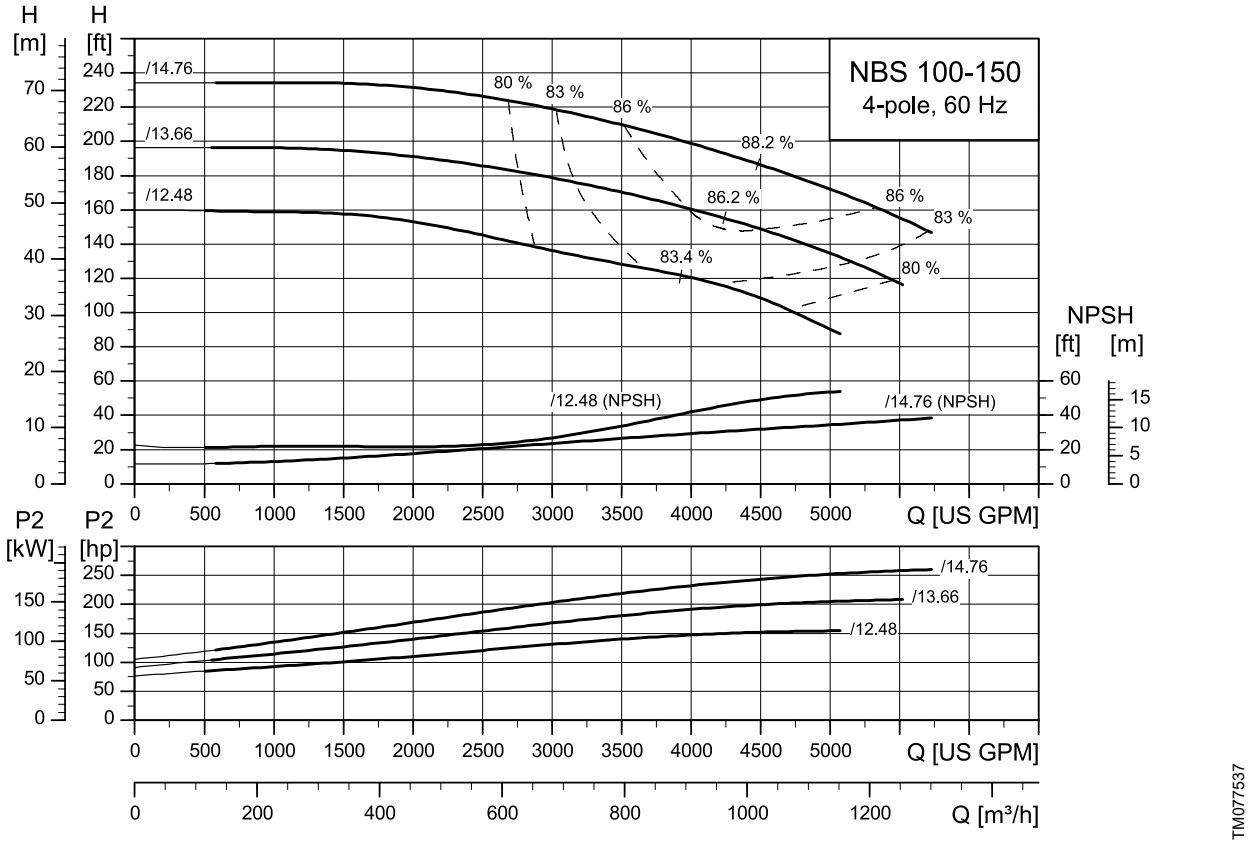
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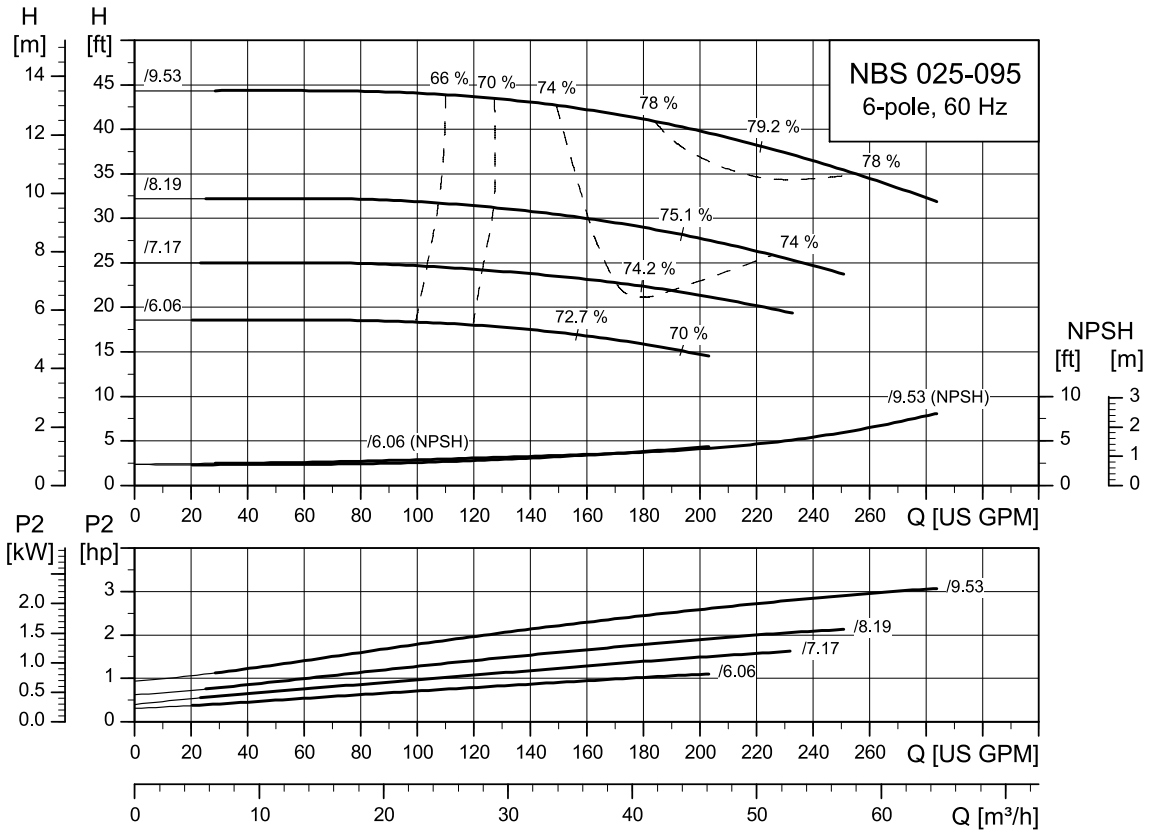
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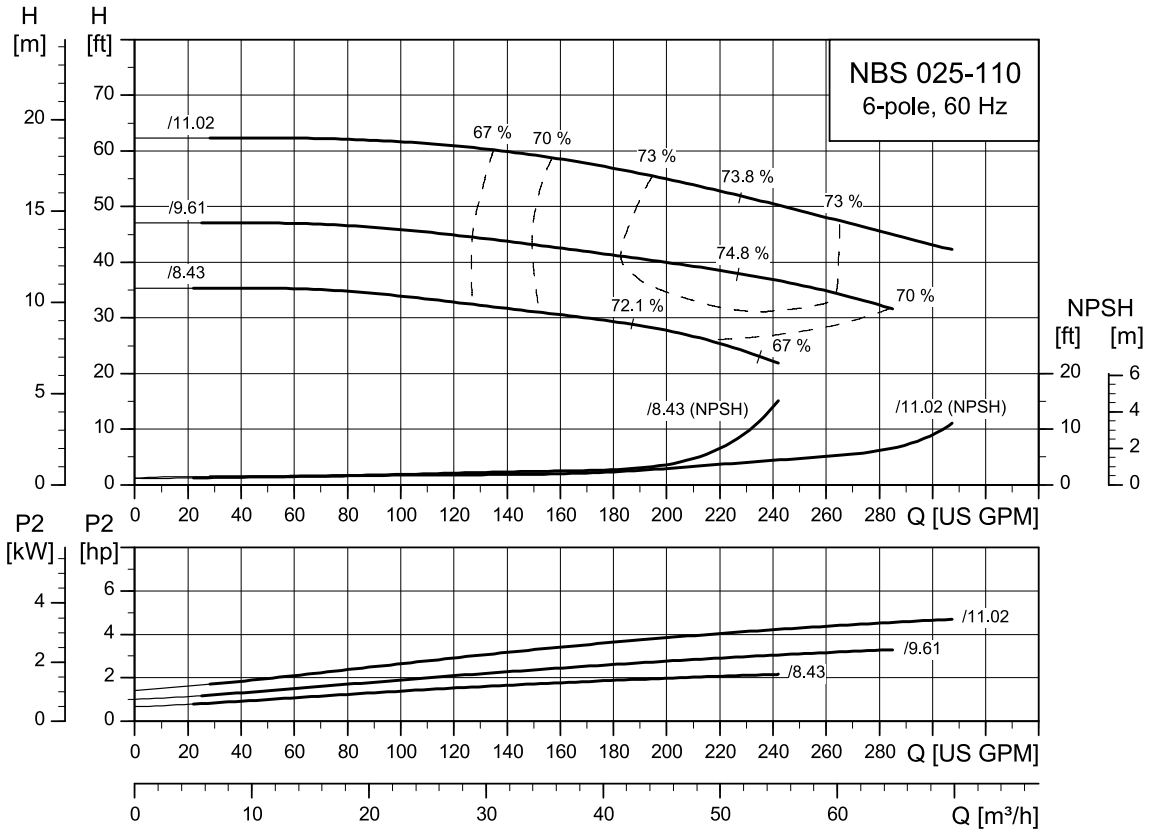
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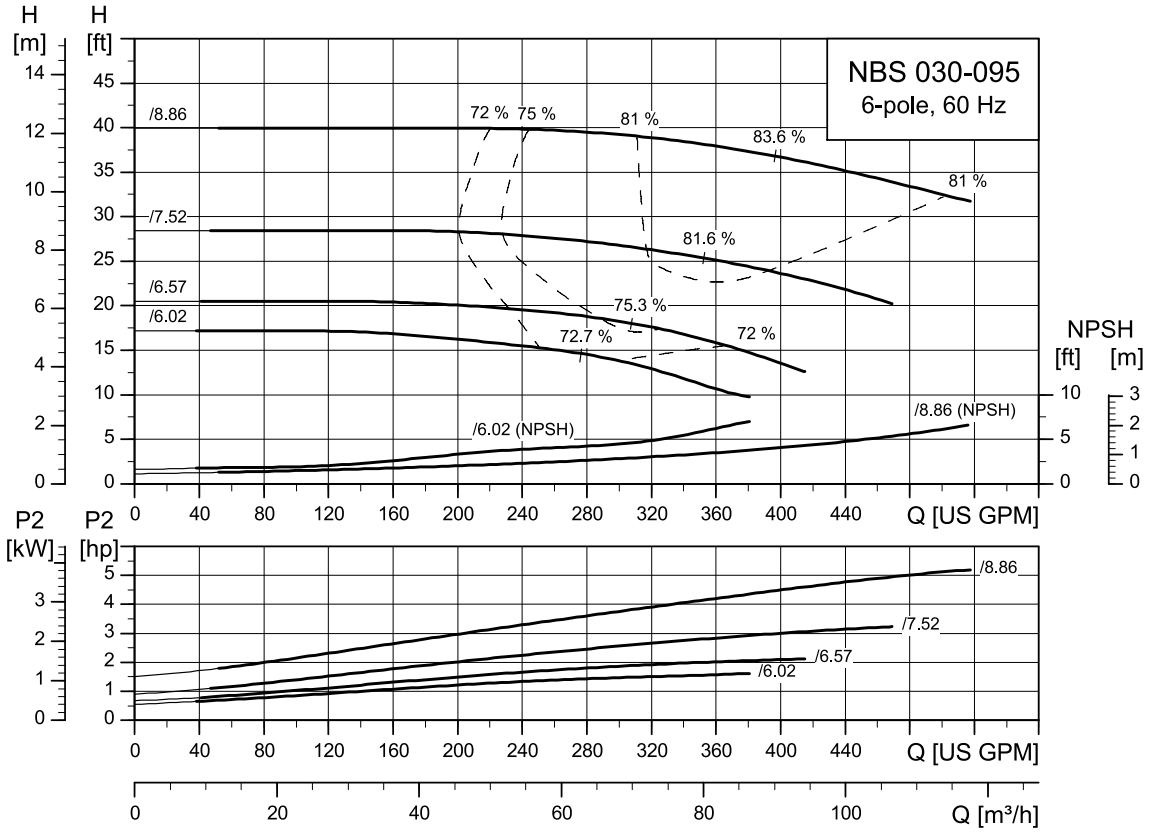
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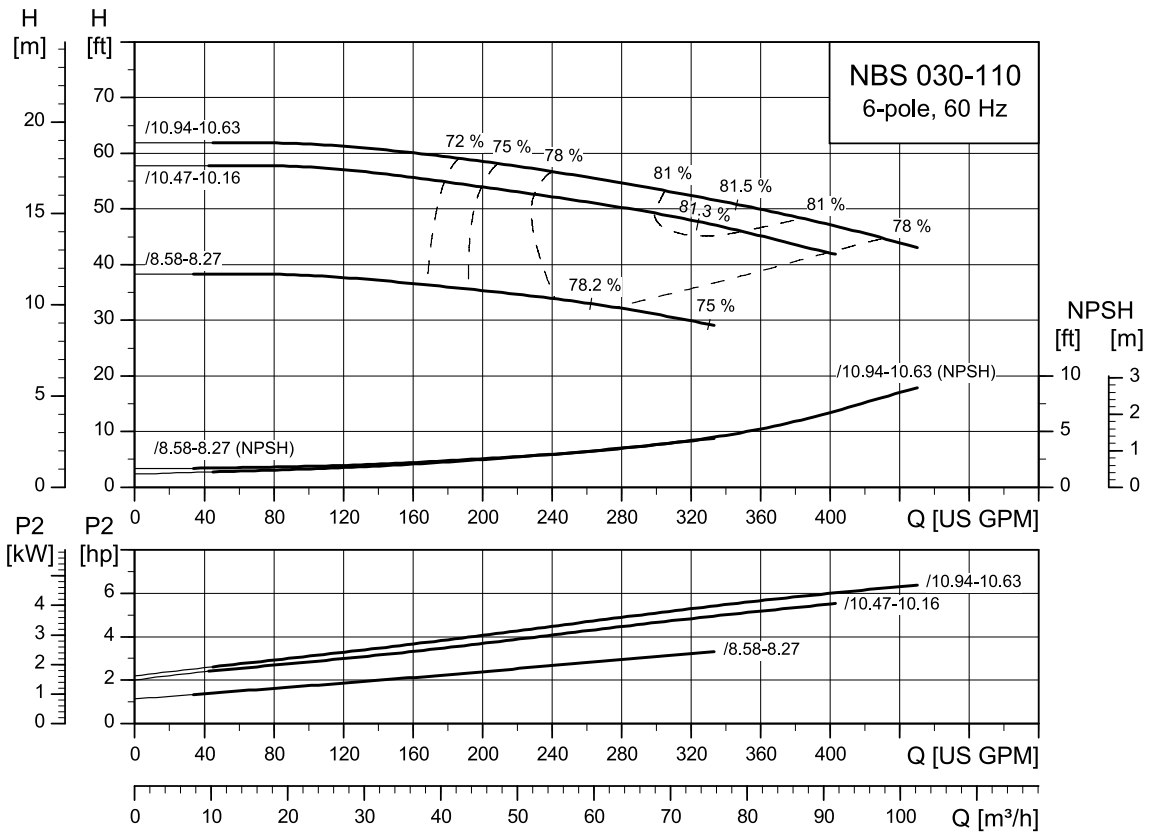
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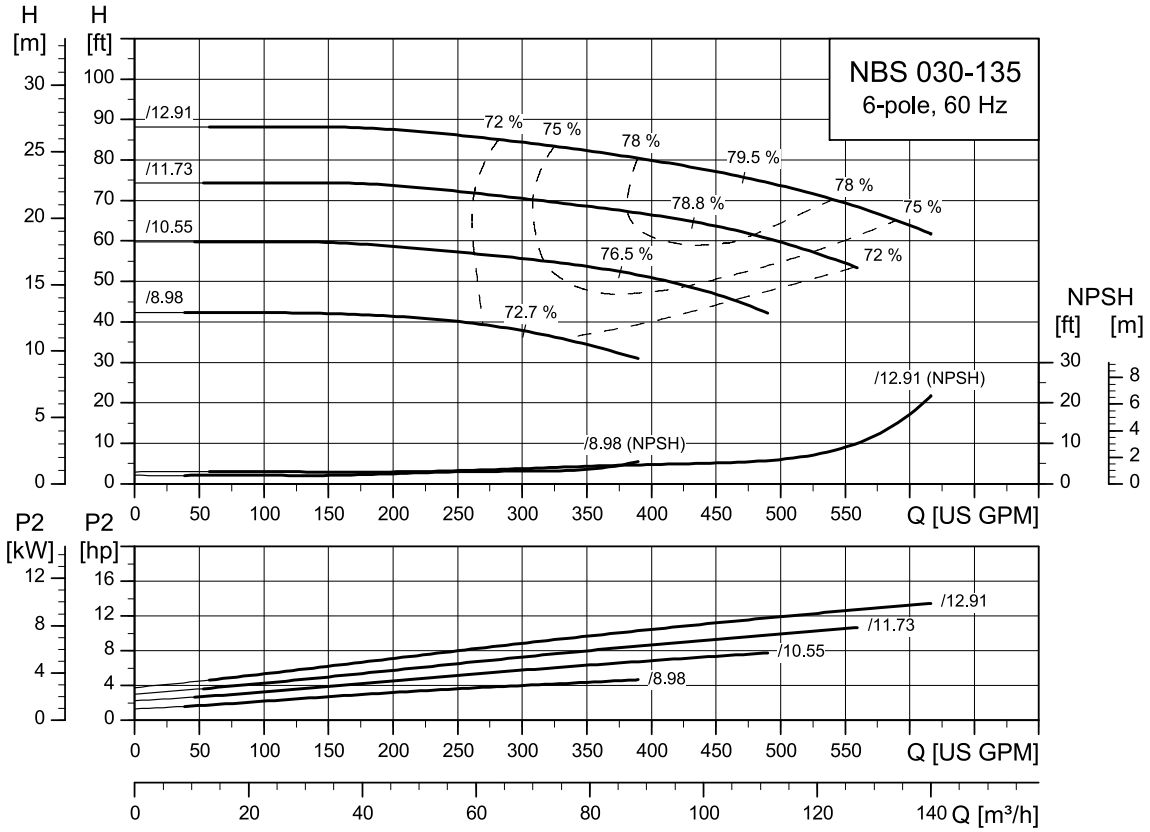
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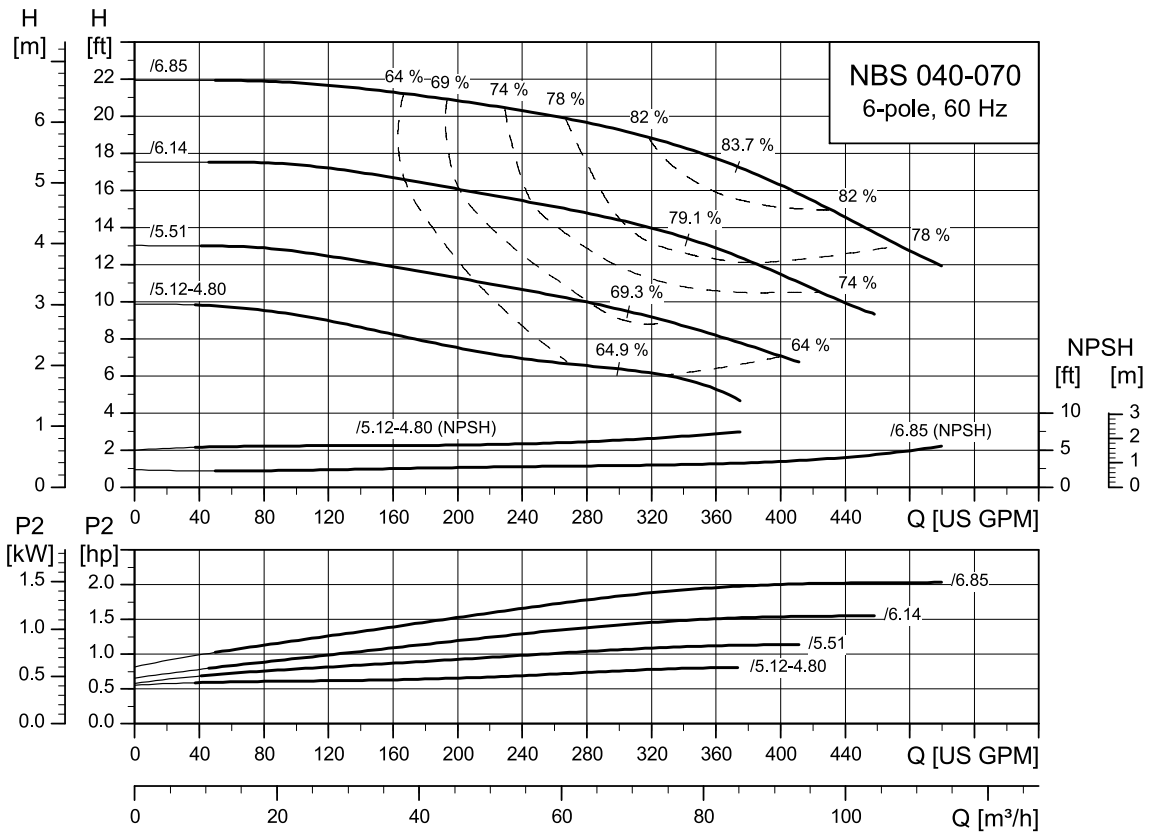
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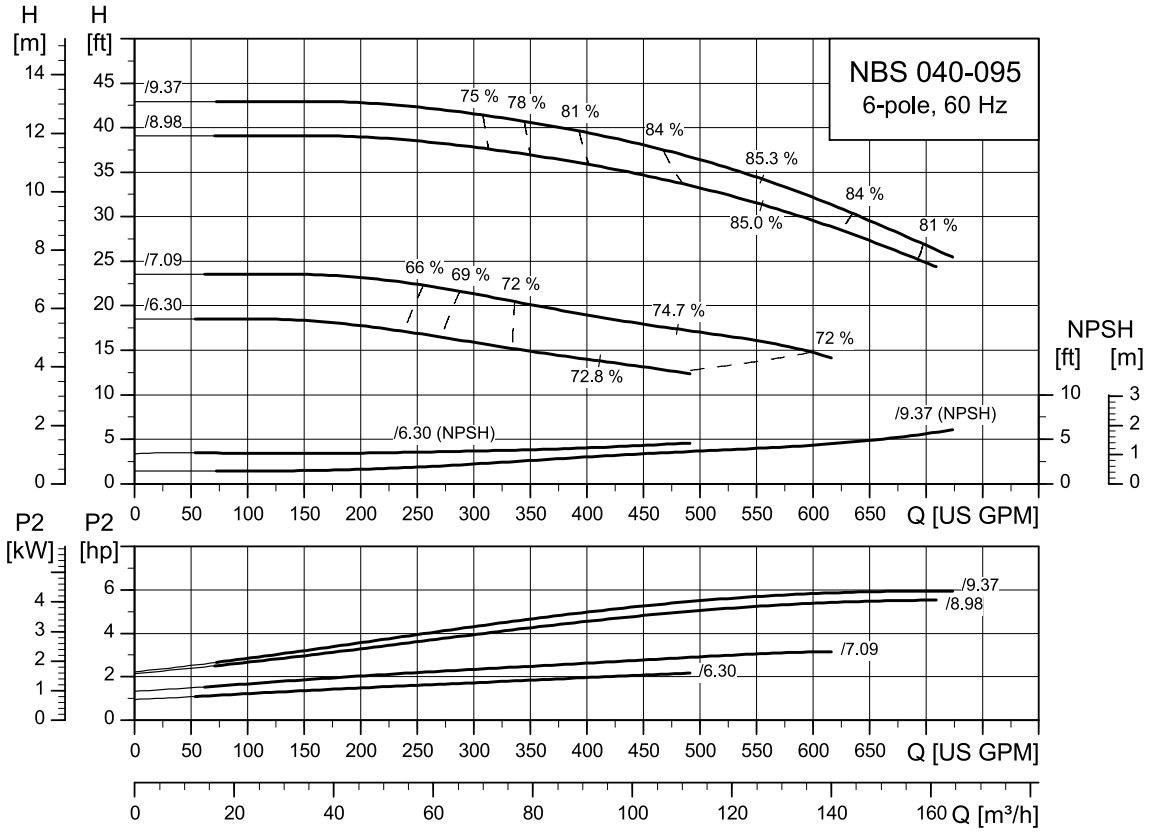
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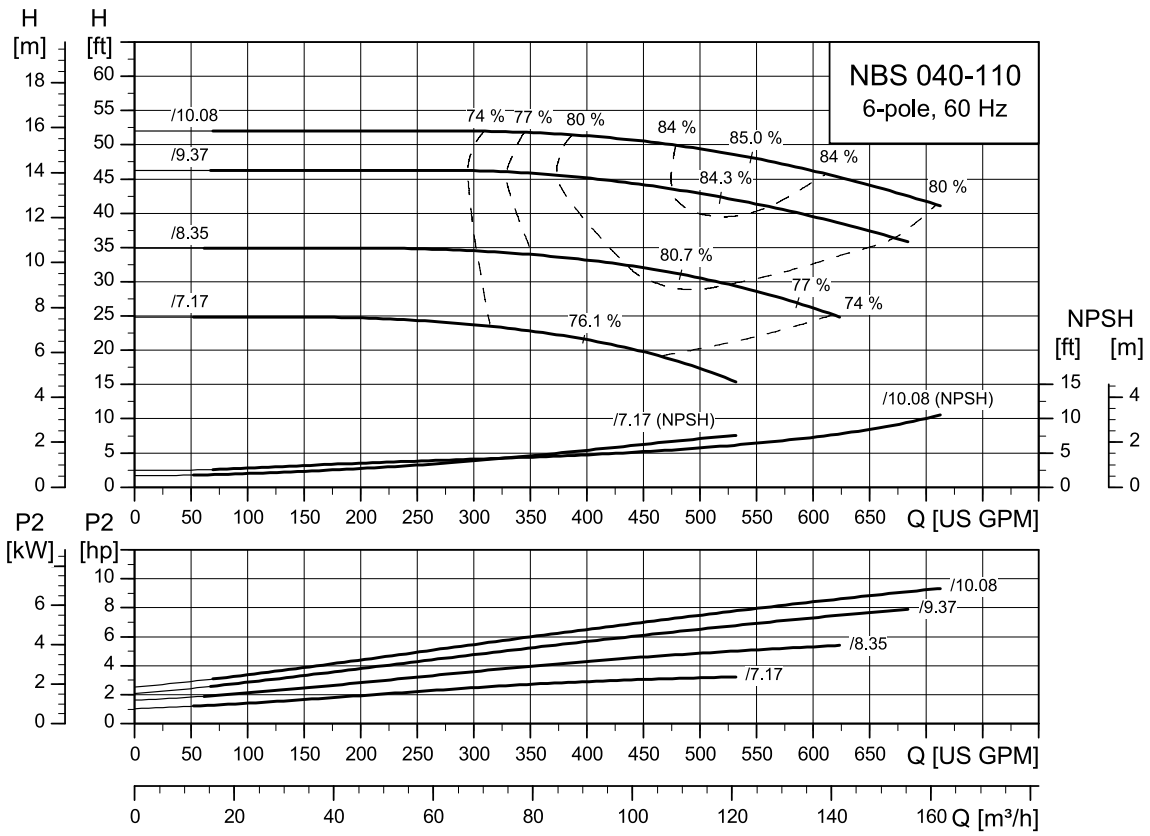
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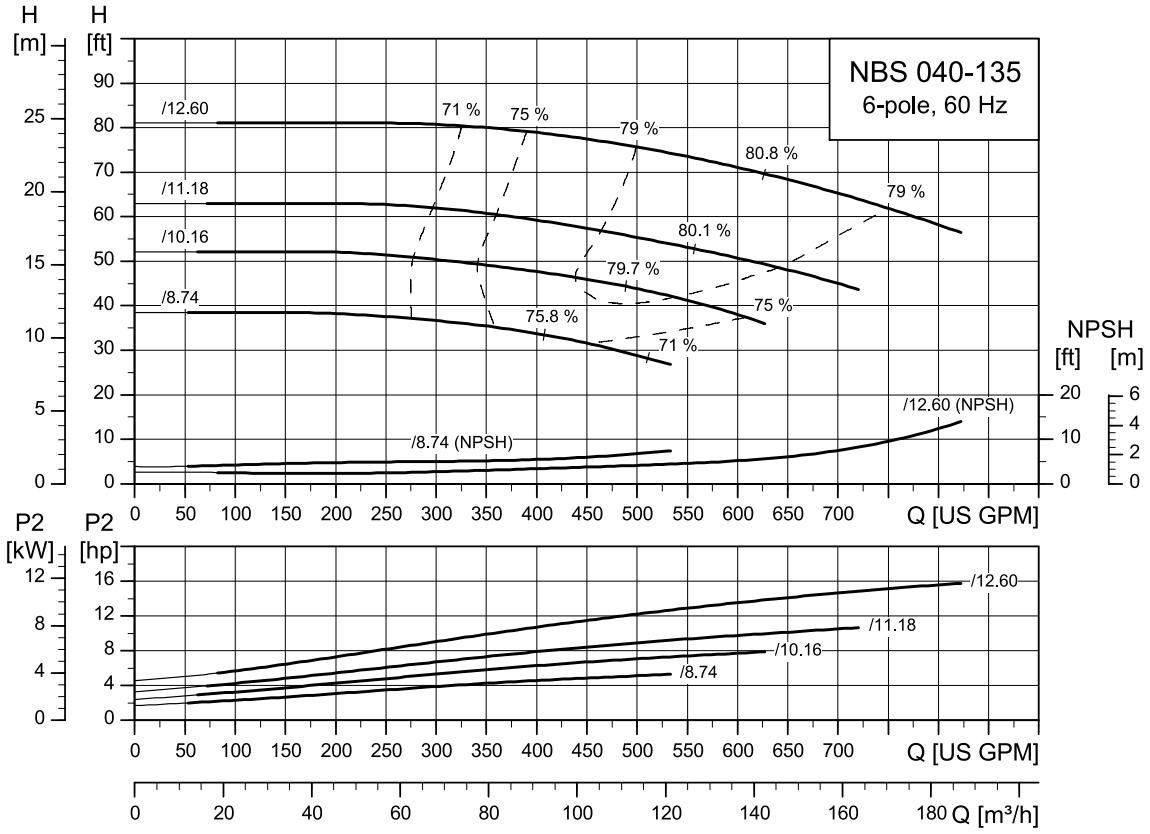
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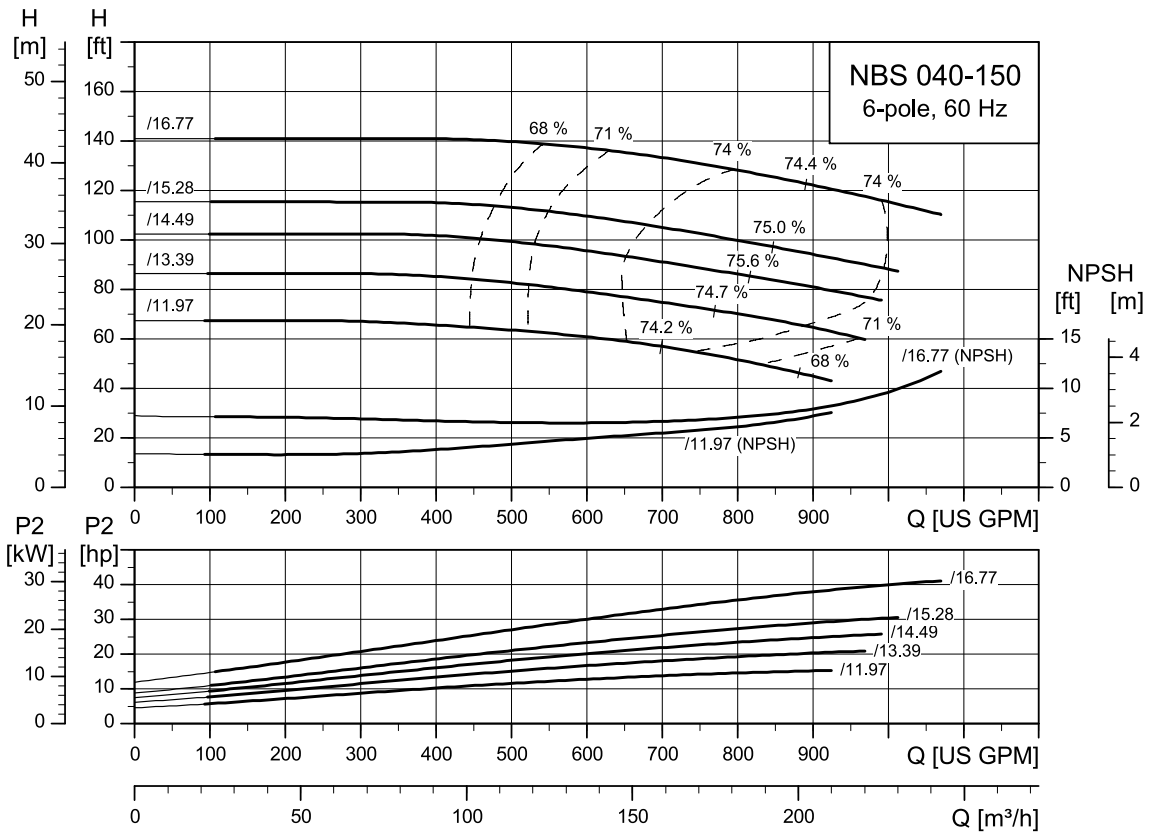
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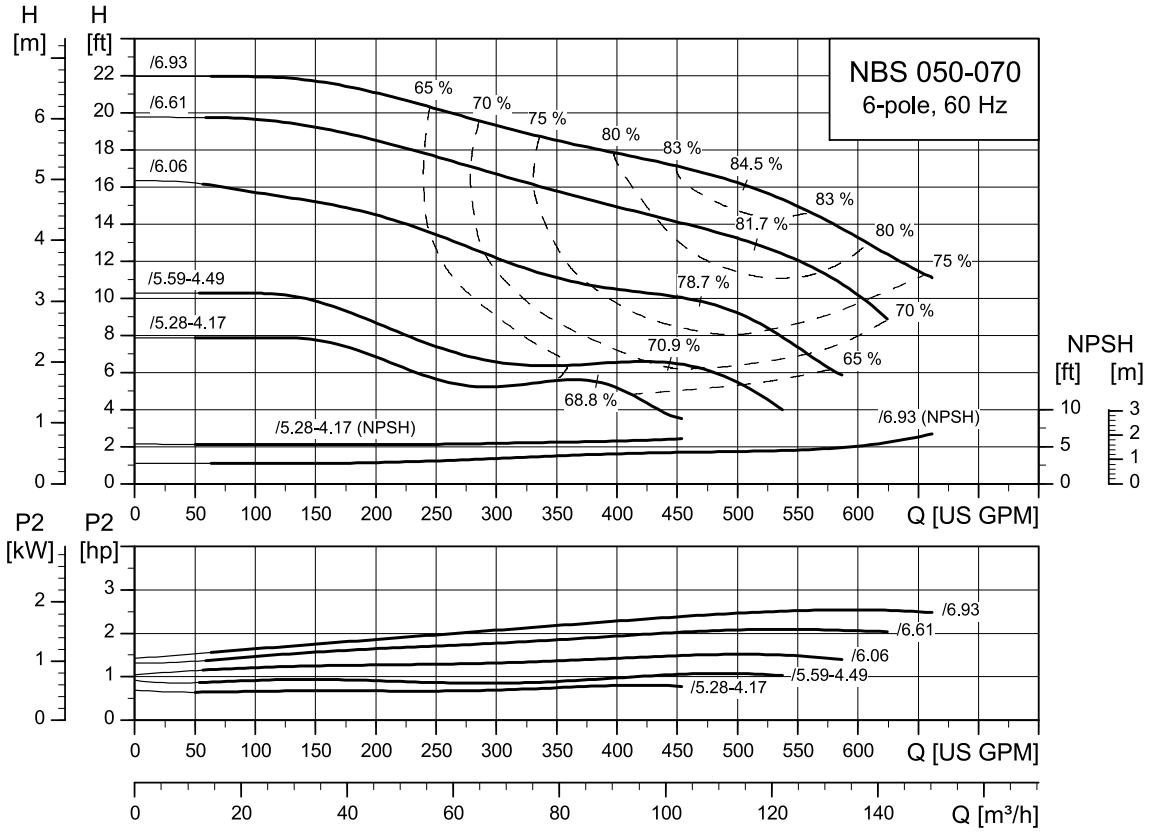
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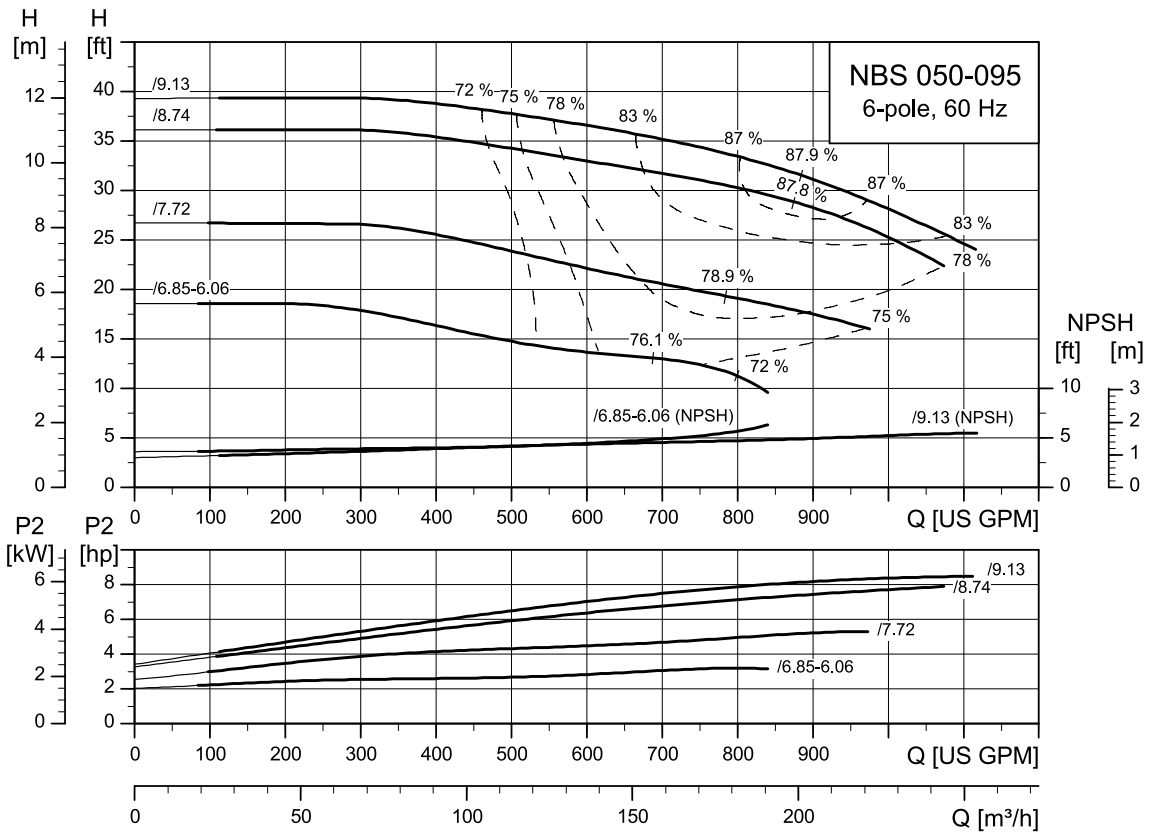
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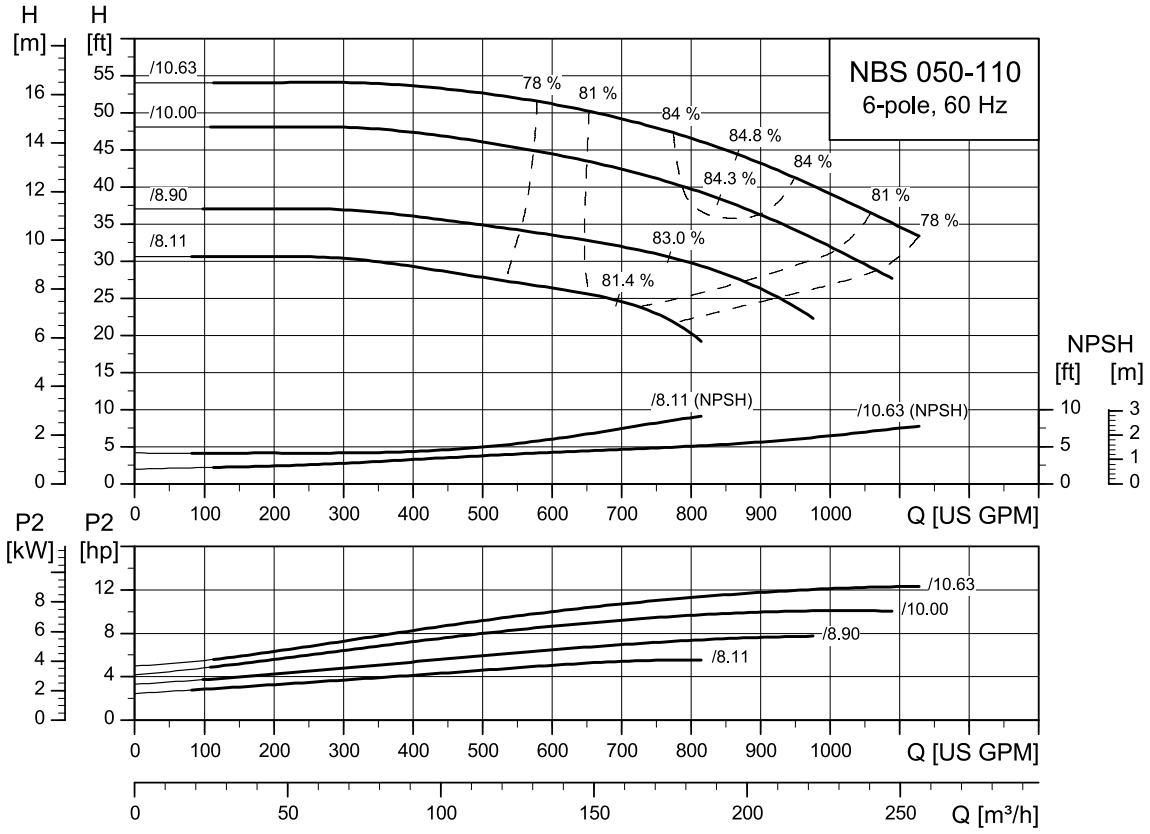
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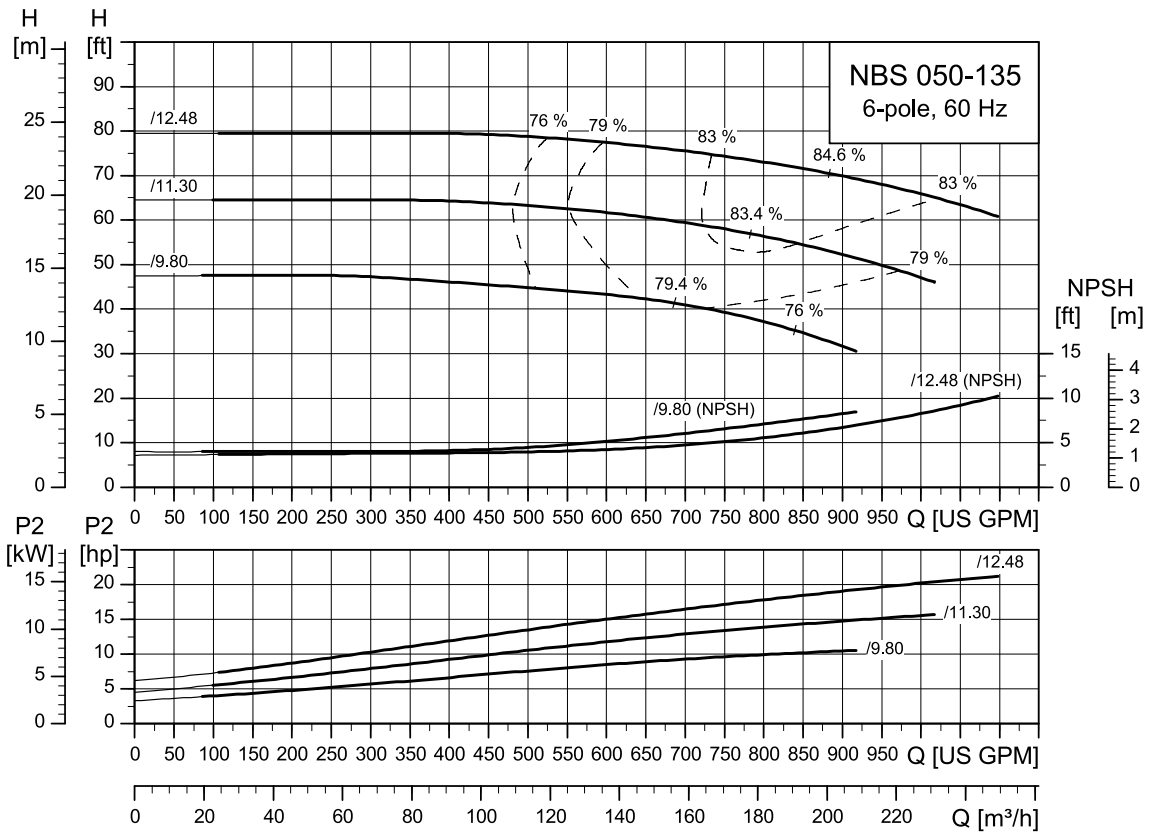
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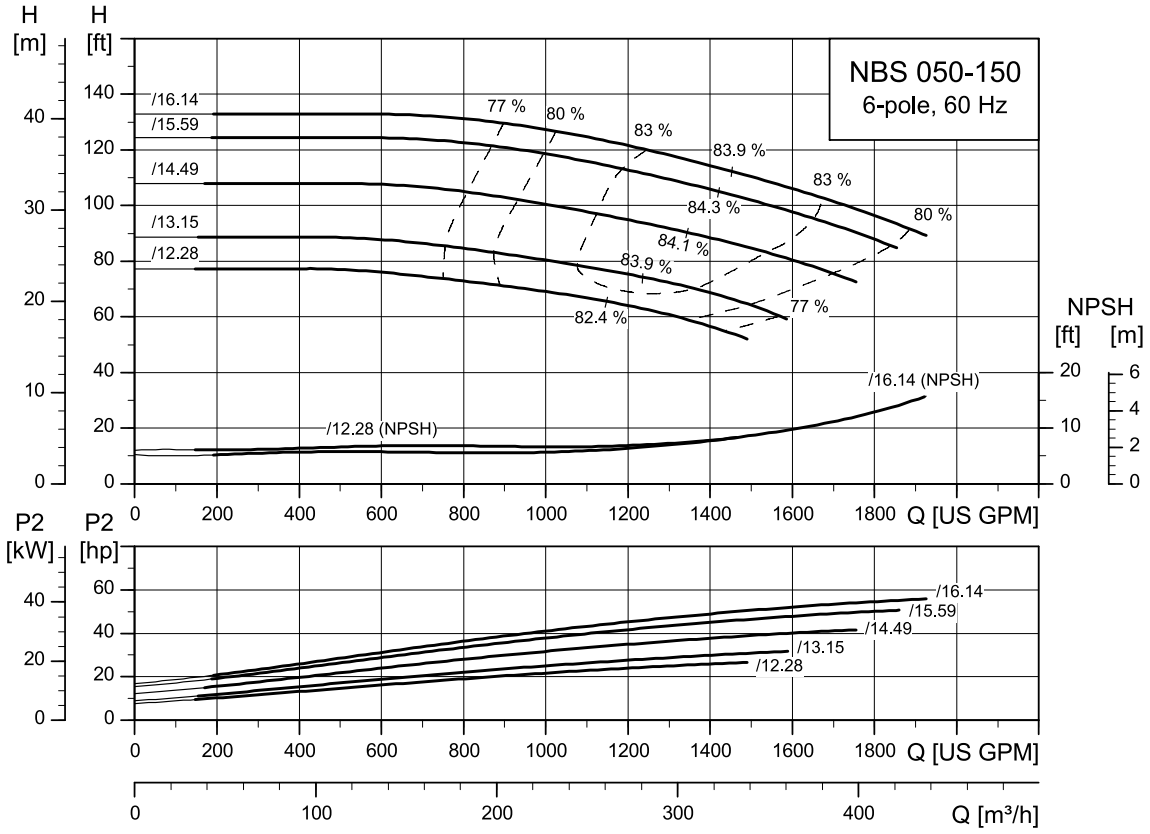
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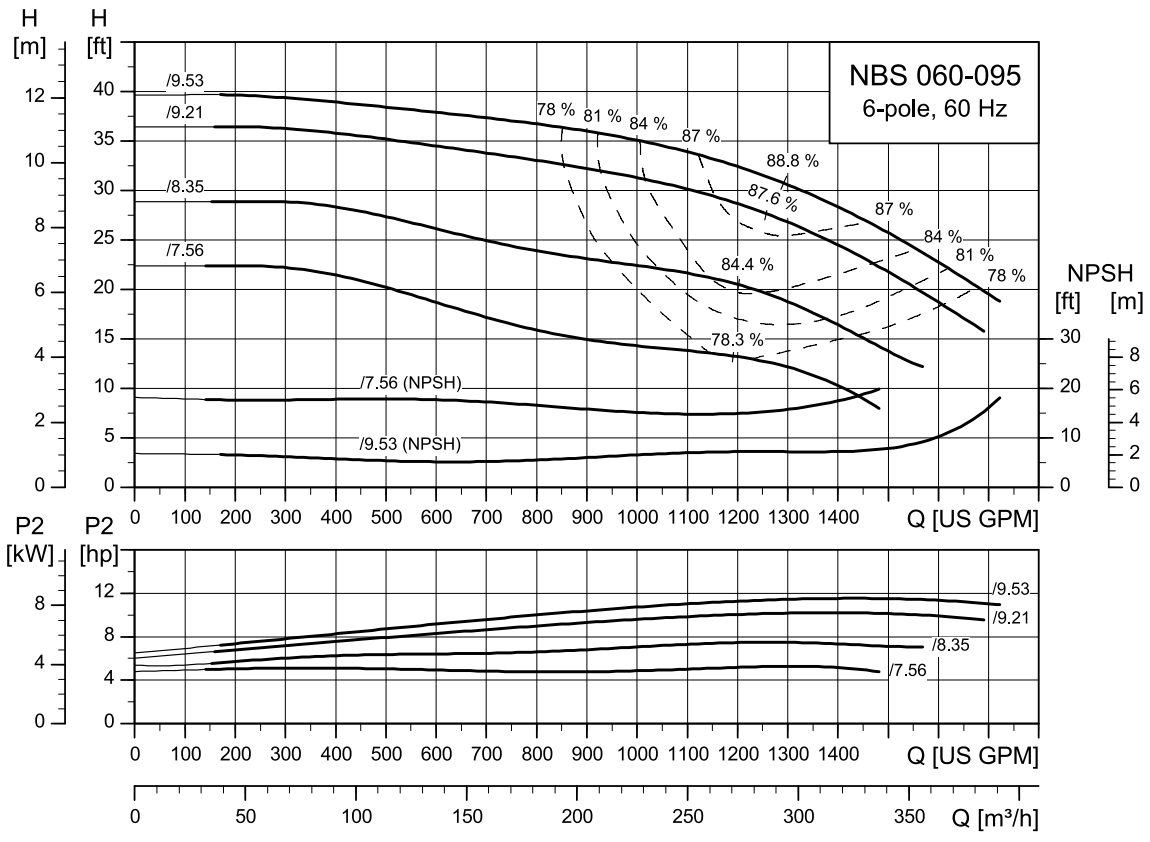
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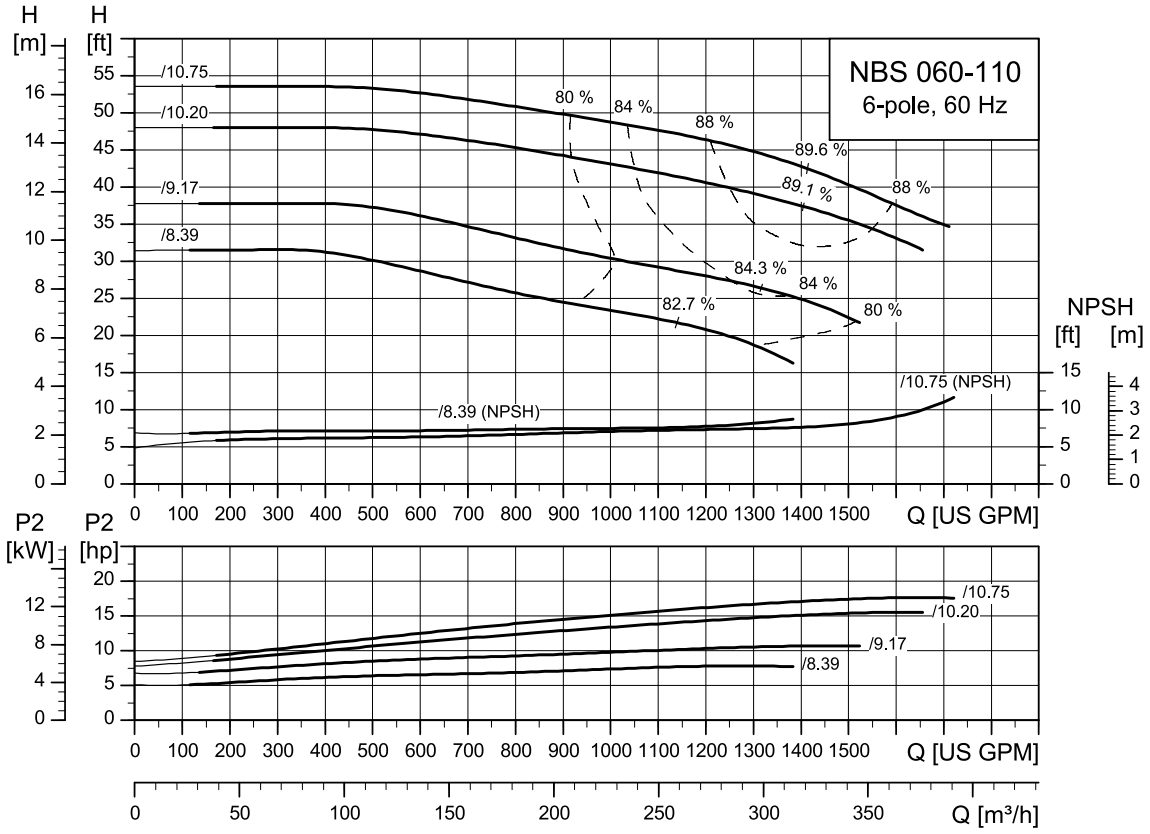
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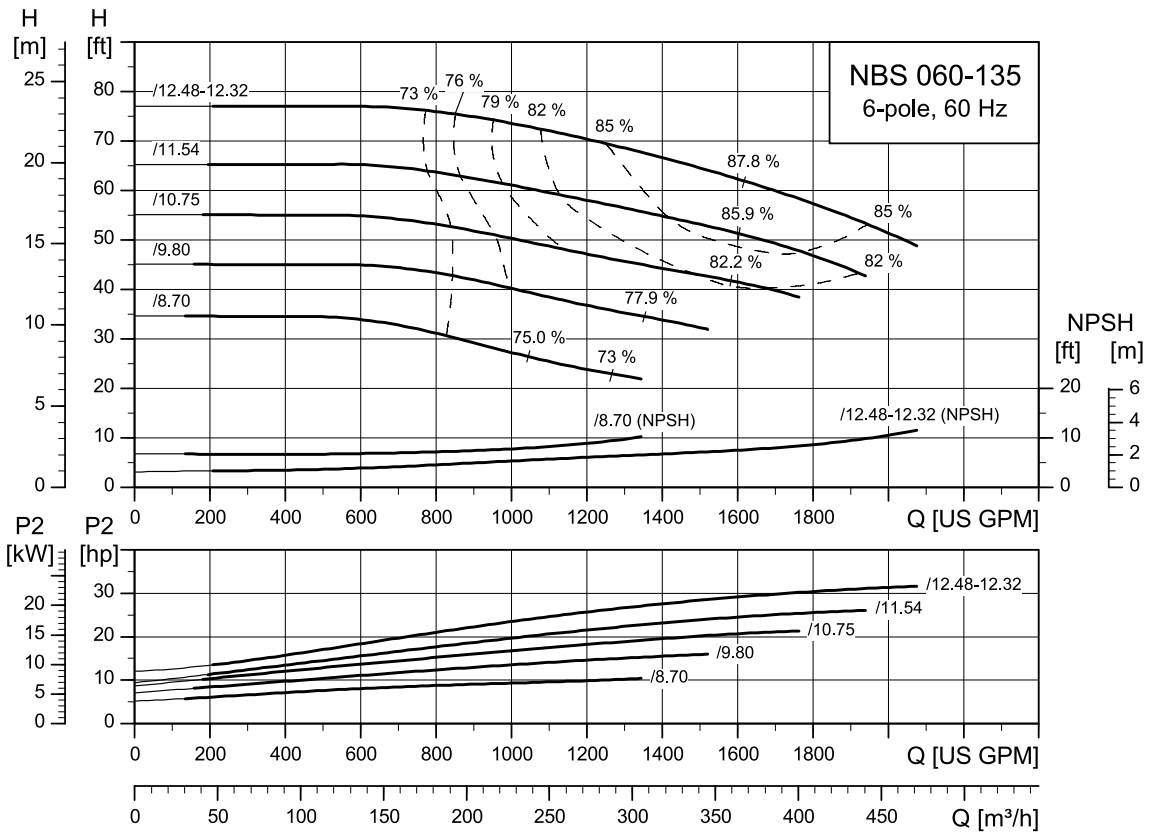
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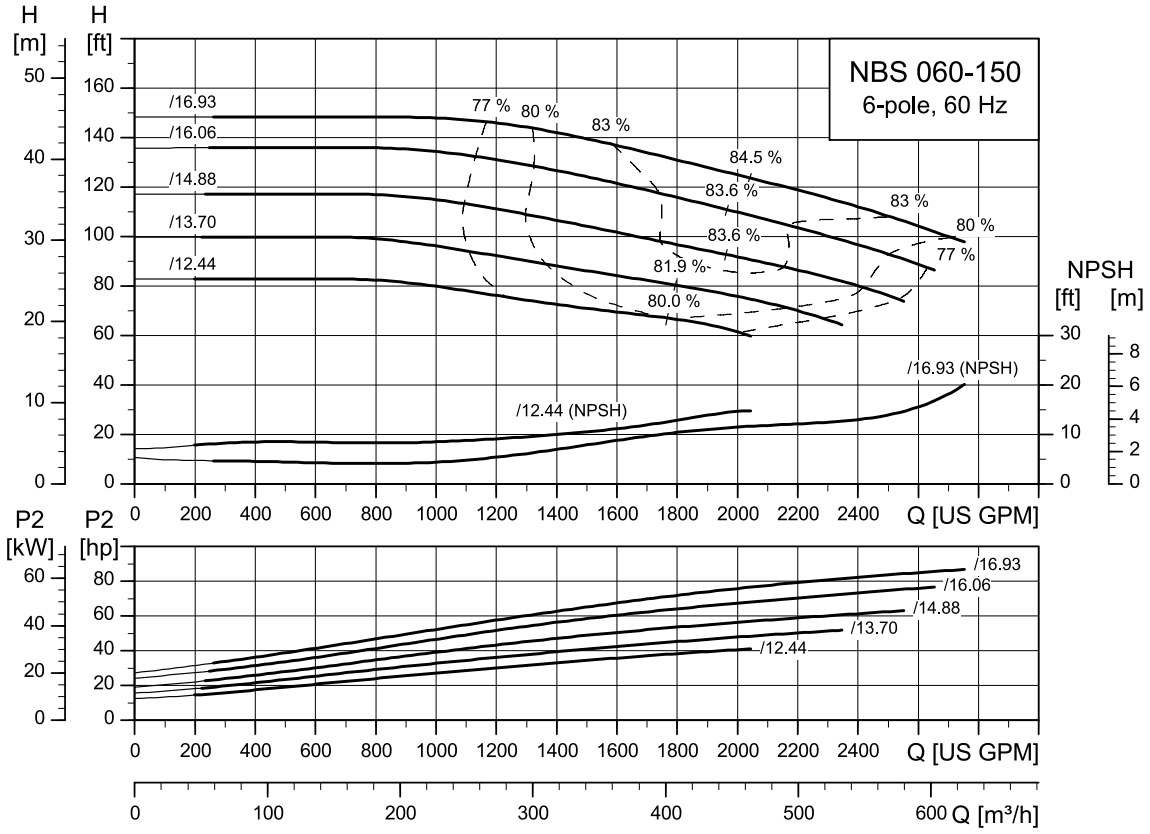
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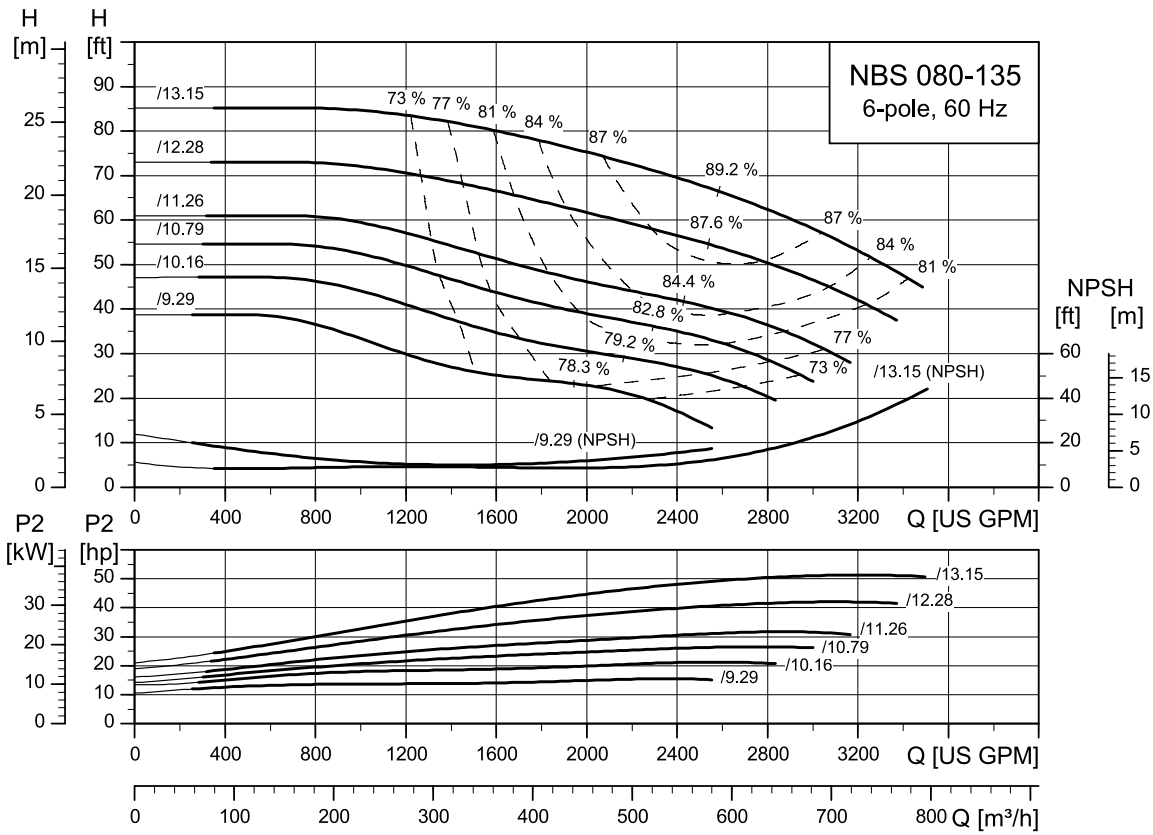
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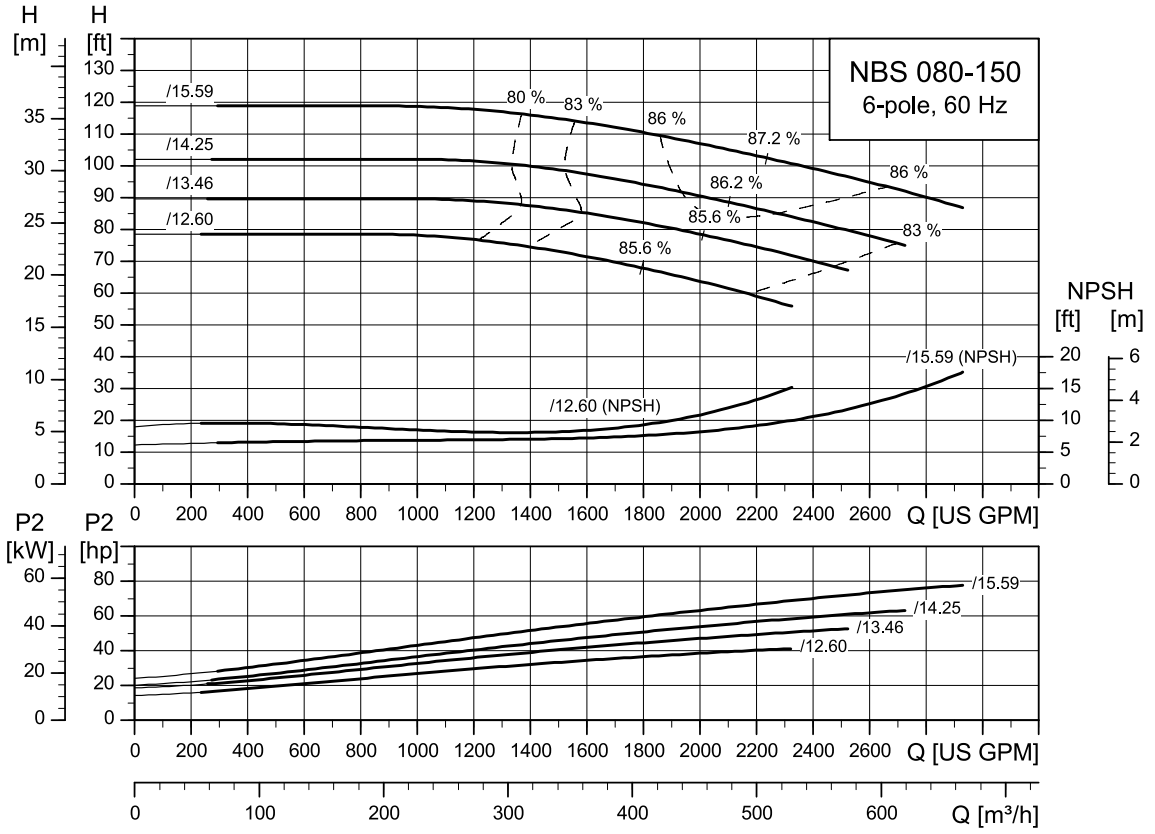
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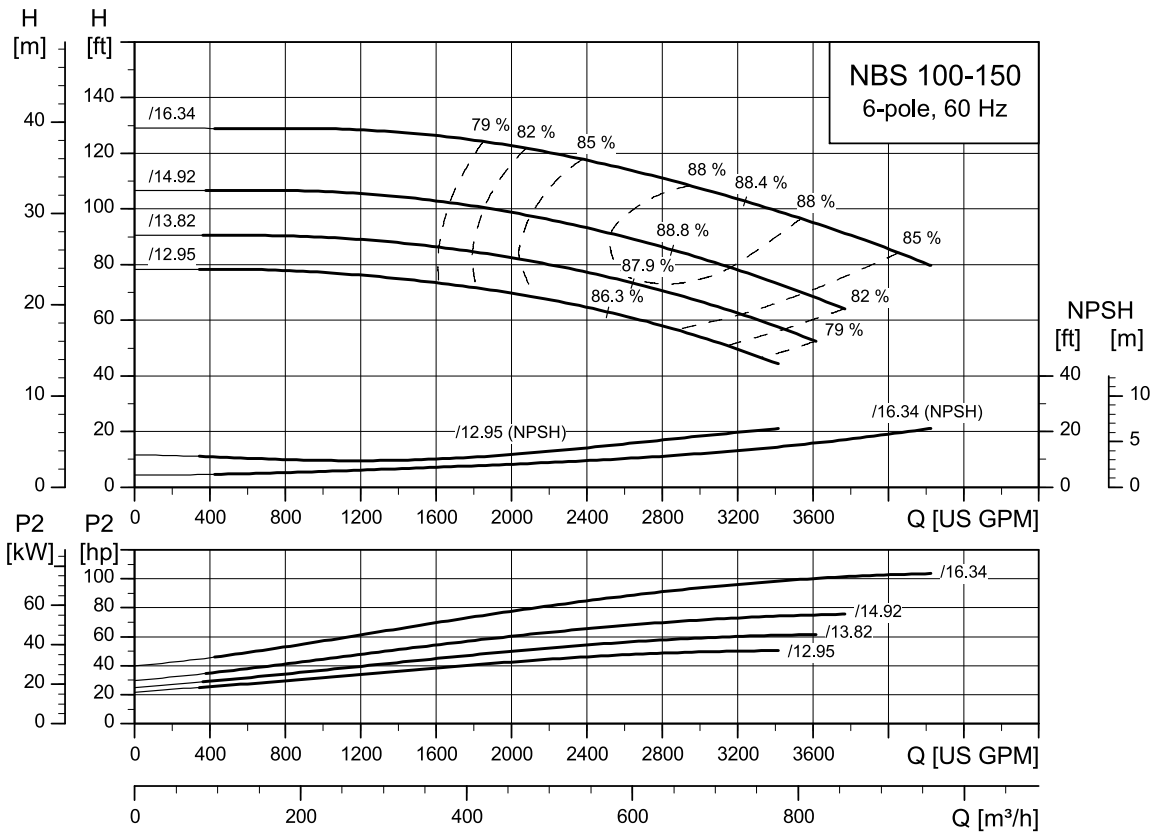
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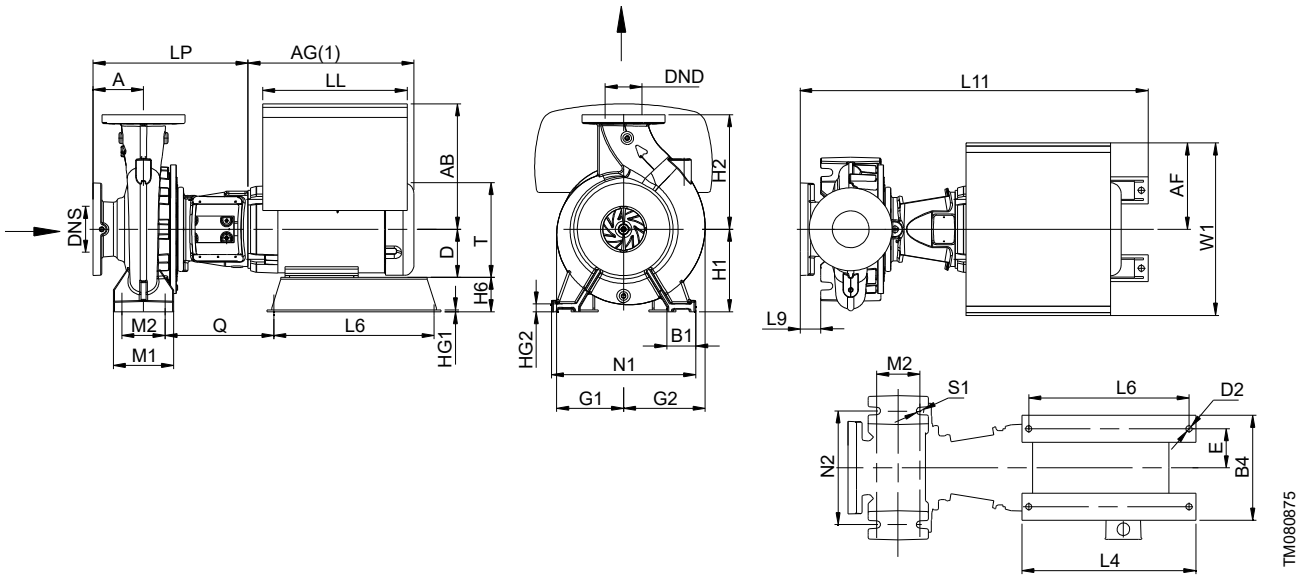
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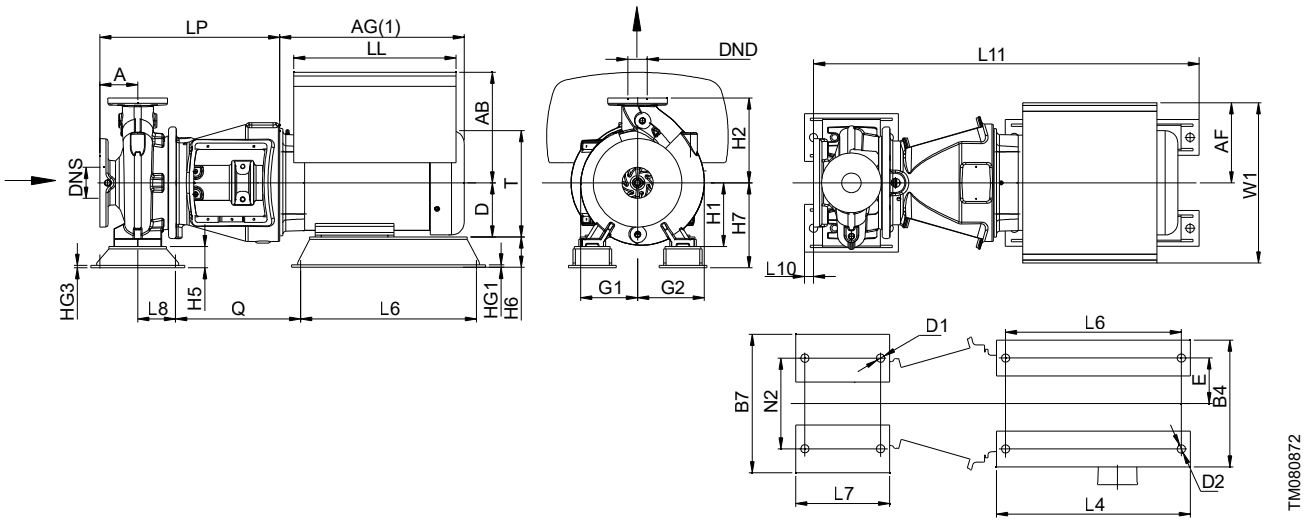
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15. Dimensional drawings and technical data

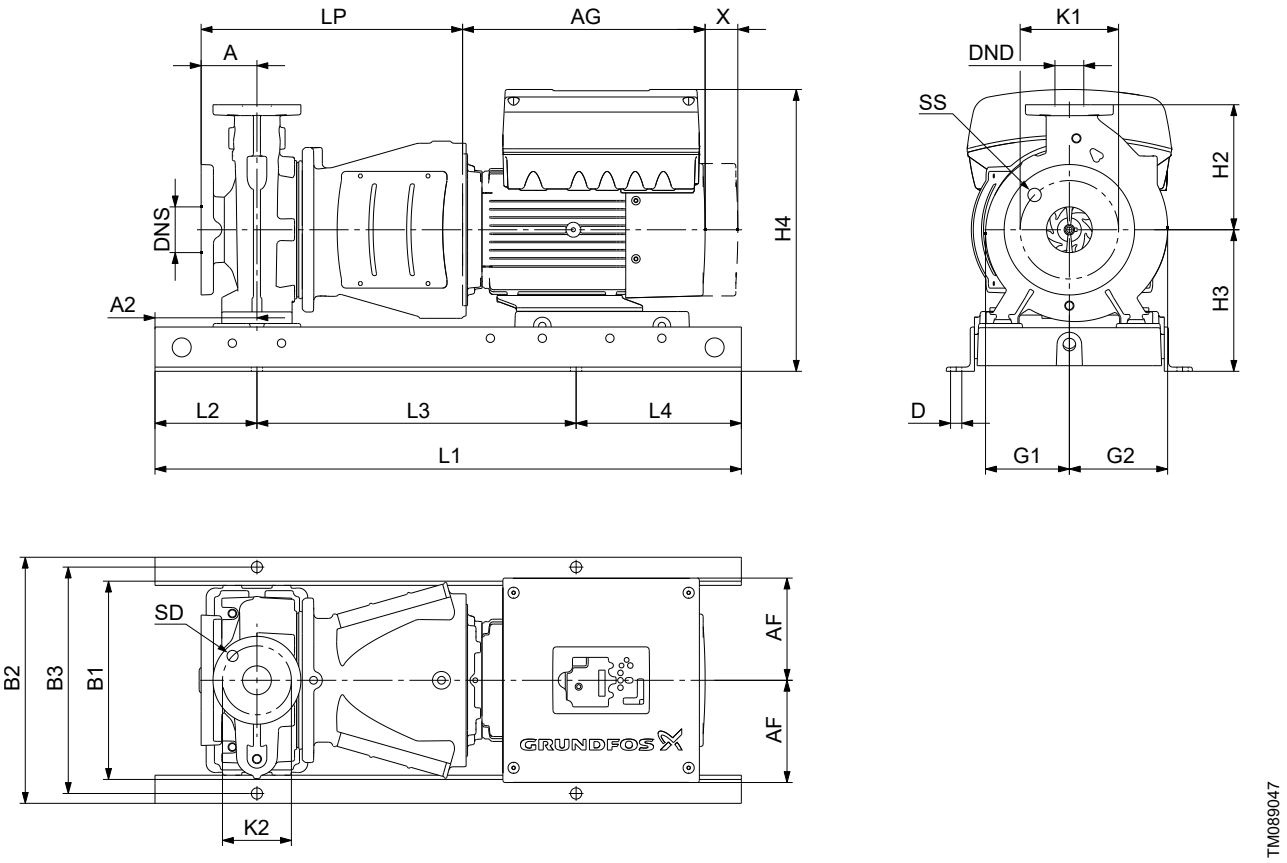
Dimensional drawings, NBSE



Mounting design B, center-line outlet, motor with support rails



Mounting design C, center-line outlet, pump and motor with support rails



Mounting design F, center-line outlet

Dimensions for NBSE pumps (460 V), MLE, mounting design B&C

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			MLE motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
012-070	2	3	14.6	9.5	4.5	3.8	6.9	6.2	10.8	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		5	14.6	9.5	4.5	3.8	8.3	7.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	10.4	5.3	4.3	9.0	7.9	14.7	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		7.5	14.6	10.4	5.3	4.3	9.0	7.9	14.7	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		10	14.6	10.4	5.3	4.3	10.3	9.3	15.6	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		15	14.6	10.2	6.3	5.0	11.3	9.3	15.6	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
		15	14.6	10.2	6.3	5.0	11.3	9.3	15.6	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
	4	1.5	14.6	9.5	4.5	3.8	6.9	6.2	10.8	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		2	14.6	9.5	4.5	3.8	6.9	6.2	10.8	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
015-070	2	5	14.6	9.5	4.5	3.8	8.3	7.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	10.4	5.3	4.3	9.0	7.9	14.7	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		10	14.6	10.4	5.3	4.3	10.3	9.3	15.6	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		15	14.6	10.2	6.3	5.0	11.3	9.3	15.6	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
	4	1.5	14.6	9.5	4.5	3.8	6.9	6.2	10.8	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		2	14.6	9.5	4.5	3.8	6.9	6.2	10.8	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		3	14.6	9.5	4.5	3.8	8.3	7.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		5	14.6	9.5	4.5	3.8	8.3	7.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
015-090	2	15	17.1	12.1	6.3	5.0	11.3	9.3	15.6	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		20	17.1	12.1	6.3	5.0	12.4	11.9	19.2	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	15.4	10.2	7.0	5.5	13.2	11.9	20.2	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		30	15.4	10.2	7.0	5.5	13.2	11.9	20.2	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
	4	1.5	15.5	10.8	4.5	3.8	6.9	6.2	10.8	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		2	15.5	10.8	4.5	3.8	6.9	6.2	10.8	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		3	15.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		10	15.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
015-095	2	15	17.1	12.1	6.3	5.0	11.3	9.3	15.6	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		20	17.1	12.1	6.3	5.0	12.4	11.9	19.2	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	15.4	10.2	7.0	5.5	13.2	11.9	20.2	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		30	15.4	10.2	7.0	5.5	13.2	11.9	20.2	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
	4	2	15.5	10.8	4.5	3.8	6.9	6.2	10.8	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		3	15.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		10	15.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
020-095	2	15	17.5	12.5	6.3	5.0	11.3	9.3	15.6	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		20	17.5	12.5	6.3	5.0	12.4	11.9	19.2	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	15.9	10.6	7.0	5.5	13.2	11.9	20.2	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		30	15.9	10.6	7.0	5.5	13.2	11.9	20.2	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
	4	2	15.5	10.8	4.5	3.8	6.9	6.2	10.8	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		3	15.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		10	15.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			MLE motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
020-110	4	5	15.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		10	15.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		15	15.5	11.5	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.3	18.8	12.0	0.8	0.4
		20	15.5	11.5	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.3	18.8	12.0	0.8	0.4
020-130	4	7.5	17.6	12.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		10	17.6	12.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		15	17.6	13.3	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	17.6	13.3	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		25	18.9	15.1	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
		30	18.9	15.1	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
025-070	2	5	15.5	9.1	4.5	3.8	8.3	7.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	9.9	5.3	4.3	9.0	7.9	14.7	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		10	15.5	9.9	5.3	4.3	10.3	9.3	15.6	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		15	15.5	9.8	6.3	5.0	11.3	9.3	15.6	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		20	15.5	9.8	6.3	5.0	12.4	11.9	19.2	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		25	15.4	10.1	7.0	5.5	13.2	11.9	20.2	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
		30	15.4	10.1	7.0	5.5	13.2	11.9	20.2	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
	4	1.5	15.5	9.1	4.5	3.8	6.9	6.2	10.8	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		2	15.5	9.1	4.5	3.8	6.9	6.2	10.8	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		3	15.5	9.1	4.5	3.8	8.3	7.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		5	15.5	9.1	4.5	3.8	8.3	7.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
025-095	2	25	15.9	11.9	7.0	5.5	13.2	11.9	20.2	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		30	15.9	11.9	7.0	5.5	13.2	11.9	20.2	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
	4	3	15.5	10.4	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		5	15.5	10.4	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	15.5	11.3	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	15.5	11.3	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
025-110	4	7.5	17.6	12.2	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	17.6	12.2	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.6	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		20	17.6	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
030-070	2	7.5	15.5	9.9	5.3	4.3	9.0	7.9	14.7	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		10	15.5	9.9	5.3	4.3	10.3	9.3	15.6	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		15	15.5	9.8	6.3	5.0	11.3	9.3	15.6	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		20	15.5	9.8	6.3	5.0	12.4	11.9	19.2	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		25	15.4	10.1	7.0	5.5	13.2	11.9	20.2	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
		30	15.4	10.1	7.0	5.5	13.2	11.9	20.2	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
	4	1.5	15.5	9.1	4.5	3.8	6.9	6.2	10.8	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		2	15.5	9.1	4.5	3.8	6.9	6.2	10.8	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		3	15.5	9.1	4.5	3.8	8.3	7.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		5	15.5	9.1	4.5	3.8	8.3	7.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
030-095	4	5	17.3	11.1	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	17.3	12.0	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	17.3	12.0	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.3	12.6	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		20	17.3	12.6	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
030-110	4	10	17.6	12.2	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.6	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		20	17.6	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			MLE motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
030-130	4	15	17.6	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		20	17.6	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	18.9	14.6	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	18.9	14.6	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
040-070	2	15	18.1	12.1	6.3	5.0	11.3	9.3	15.6	8.8	3.6	14.0	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		20	18.1	12.1	6.3	5.0	12.4	11.9	19.2	8.8	3.6	14.0	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	16.4	10.2	7.0	5.5	13.2	11.9	20.2	8.8	3.6	14.0	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		30	16.4	10.2	7.0	5.5	13.2	11.9	20.2	8.8	3.6	14.0	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
	4	1.5	16.5	10.8	4.5	3.8	6.9	6.2	10.8	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		2	16.5	10.8	4.5	3.8	6.9	6.2	10.8	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		3	16.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	16.5	10.8	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	16.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		10	16.5	11.7	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
040-095	4	7.5	17.8	12.0	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		10	17.8	12.0	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		15	17.8	12.6	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	17.8	12.6	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
040-110	4	15	18.1	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	18.1	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		25	19.4	14.6	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
		30	19.4	14.6	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
040-130	4	15	18.1	12.9	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		20	18.1	12.9	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	19.4	14.6	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	19.4	14.6	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
050-070	2	15	18.1	13.4	6.3	5.0	11.3	9.3	15.6	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		20	18.1	13.4	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		25	16.4	11.4	7.0	5.5	13.2	11.9	20.2	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		30	16.4	11.4	7.0	5.5	13.2	11.9	20.2	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
	4	3	16.5	10.3	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		5	16.5	10.3	4.5	3.8	8.3	7.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	16.5	11.2	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	16.5	11.2	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
050-095	4	10	19.8	14.0	5.3	4.3	10.3	9.3	15.6	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		15	19.8	14.6	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		20	19.8	14.6	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	20.3	15.5	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	20.3	15.5	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
050-110	4	15	18.1	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		20	18.1	12.8	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	19.4	14.6	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	19.4	14.6	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
060-095	4	15	20.6	14.0	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		20	20.6	14.0	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		25	21.1	14.9	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		30	21.1	14.9	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
060-110	4	25	21.6	15.4	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		30	21.6	15.4	7.0	5.5	13.2	11.9	22.0	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3

Dimensions in mm.

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			MLE motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
012-070	2	3	372	243	114	95	175	158	275	197	79	290	45	178	5	349	311	266	64	5
		5	372	243	114	95	210	201	337	197	79	290	45	178	5	349	311	266	64	5
		7.5	372	265	133	108	229	201	372	197	79	290	45	178	5	423	385	291	45	5
		7.5	372	265	133	108	229	201	372	197	79	290	45	178	5	423	385	291	45	5
		10	372	265	133	108	261	237	395	197	79	290	45	178	5	423	385	291	45	5
		15	372	260	159	127	286	237	396	197	79	290	45	178	5	514	476	304	19	10
		15	372	260	159	127	286	237	396	197	79	290	45	178	5	514	476	304	19	10
	4	1.5	372	243	114	95	175	158	275	197	79	290	45	178	5	349	311	266	64	5
		2	372	243	114	95	175	158	275	197	79	290	45	178	5	349	311	266	64	5
015-070	2	5	372	243	114	95	210	201	337	197	79	290	45	178	5	349	311	266	64	5
		7.5	372	265	133	108	229	201	372	197	79	290	45	178	5	423	385	291	45	5
		10	372	265	133	108	261	237	395	197	79	290	45	178	5	423	385	291	45	5
		15	372	260	159	127	286	237	396	197	79	290	45	178	5	514	476	304	19	10
	4	1.5	372	243	114	95	175	158	275	197	79	290	45	178	5	349	311	266	64	5
		2	372	243	114	95	175	158	275	197	79	290	45	178	5	349	311	266	64	5
		3	372	243	114	95	210	201	337	197	79	290	45	178	5	349	311	266	64	5
		5	372	243	114	95	210	201	337	197	79	290	45	178	5	349	311	266	64	5
015-090	2	15	435	308	159	127	286	237	396	222	92	325	25	203	13	508	470	329	45	5
		20	435	308	159	127	316	303	488	222	92	325	25	203	13	508	470	329	45	5
		25	392	258	178	140	335	303	514	222	92	325	25	203	13	565	527	354	25	13
		30	392	258	178	140	335	303	514	222	92	325	25	203	13	565	527	354	25	13
	4	1.5	394	275	114	95	175	158	275	-	-	-	-	-	-	372	334	266	64	5
		2	394	275	114	95	175	158	275	-	-	-	-	-	-	372	334	266	64	5
		3	394	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		5	394	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		7.5	394	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
		10	394	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
015-095	2	15	435	308	159	127	286	237	396	222	92	325	25	203	13	508	470	329	45	5
		20	435	308	159	127	316	303	488	222	92	325	25	203	13	508	470	329	45	5
		25	392	258	178	140	335	303	514	222	92	325	25	203	13	565	527	354	25	13
		30	392	258	178	140	335	303	514	222	92	325	25	203	13	565	527	354	25	13
	4	2	394	275	114	95	175	158	275	-	-	-	-	-	-	372	334	266	64	5
		3	394	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		5	394	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		7.5	394	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
		10	394	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
020-095	2	15	446	318	159	127	286	237	396	222	92	325	25	203	13	508	470	329	45	5
		20	446	318	159	127	316	303	488	222	92	325	25	203	13	508	470	329	45	5
		25	403	269	178	140	335	303	514	222	92	325	25	203	13	565	527	354	25	13
		30	403	269	178	140	335	303	514	222	92	325	25	203	13	565	527	354	25	13
	4	2	394	275	114	95	175	158	275	-	-	-	-	-	-	372	334	266	64	5
		3	394	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		5	394	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		7.5	394	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
		10	394	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
020-110	4	5	394	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		7.5	394	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
		10	394	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
		15	394	292	159	127	316	303	488	-	-	-	-	-	-	514	476	304	19	10
		20	394	292	159	127	316	303	488	-	-	-	-	-	-	514	476	304	19	10

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			MLE motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
020-130	4	7.5	446	323	133	108	261	237	395	-	-	-	-	-	-	423	385	291	95	5
		10	446	323	133	108	261	237	395	-	-	-	-	-	-	423	385	291	95	5
		15	446	338	159	127	316	303	488	-	-	-	-	-	-	521	483	329	70	5
		20	446	338	159	127	316	303	488	-	-	-	-	-	-	521	483	329	70	5
		25	481	382	178	140	335	303	558	-	-	-	-	-	-	553	514	385	51	8
		30	481	382	178	140	335	303	558	-	-	-	-	-	-	553	514	385	51	8
025-070	2	5	394	230	114	95	210	201	337	222	92	287	19	178	10	372	334	266	64	5
		7.5	394	253	133	108	229	201	372	222	92	287	19	178	10	423	385	291	45	5
		10	394	253	133	108	261	237	395	222	92	287	19	178	10	423	385	291	45	5
		15	394	248	159	127	286	237	396	222	92	287	19	178	10	514	476	304	19	10
		20	394	248	159	127	316	303	488	222	92	287	19	178	10	514	476	304	19	10
		25	392	255	178	140	335	303	514	229	95	312	45	203	5	565	527	354	25	13
		30	392	255	178	140	335	303	514	229	95	312	45	203	5	565	527	354	25	13
	4	1.5	394	230	114	95	175	158	275	222	92	287	19	178	10	372	334	266	64	5
		2	394	230	114	95	175	158	275	222	92	287	19	178	10	372	334	266	64	5
		3	394	230	114	95	210	201	337	222	92	287	19	178	10	372	334	266	64	5
		5	394	230	114	95	210	201	337	222	92	287	19	178	10	372	334	266	64	5
025-095	2	25	403	303	178	140	335	303	514	-	-	-	-	-	-	565	527	354	25	13
		30	403	303	178	140	335	303	514	-	-	-	-	-	-	565	527	354	25	13
	4	3	394	264	114	95	210	201	337	-	-	-	-	-	-	372	334	266	89	5
		5	394	264	114	95	210	201	337	-	-	-	-	-	-	372	334	266	89	5
		7.5	394	286	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
		10	394	286	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
025-110	4	7.5	446	311	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
		10	446	311	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
		15	446	325	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5
		20	446	325	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5
030-070	2	7.5	394	252	133	108	229	201	372	222	92	287	19	178	10	423	385	291	45	5
		10	394	252	133	108	261	237	395	222	92	287	19	178	10	423	385	291	45	5
		15	394	248	159	127	286	237	396	222	92	287	19	178	10	514	476	304	19	10
		20	394	248	159	127	316	303	488	222	92	287	19	178	10	514	476	304	19	10
		25	392	255	178	140	335	303	514	229	95	312	45	203	5	565	527	354	25	13
		30	392	255	178	140	335	303	514	229	95	312	45	203	5	565	527	354	25	13
	4	1.5	394	230	114	95	175	158	275	222	92	287	19	178	10	372	334	266	64	5
		2	394	230	114	95	175	158	275	222	92	287	19	178	10	372	334	266	64	5
		3	394	230	114	95	210	201	337	222	92	287	19	178	10	372	334	266	64	5
		5	394	230	114	95	210	201	337	222	92	287	19	178	10	372	334	266	64	5
030-095	4	5	440	282	114	95	210	201	337	-	-	-	-	-	-	372	334	266	89	5
		7.5	440	304	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
		10	440	304	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
		15	440	319	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5
		20	440	319	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5
030-110	4	10	446	311	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
		15	446	325	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5
		20	446	325	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5
030-130	4	15	446	325	159	127	316	303	488	-	-	-	-	-	-	533	495	329	95	5
		20	446	325	159	127	316	303	488	-	-	-	-	-	-	533	495	329	95	5
		25	481	370	178	140	335	303	558	-	-	-	-	-	-	565	527	385	76	8
		30	481	370	178	140	335	303	558	-	-	-	-	-	-	565	527	385	76	8

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			MLE motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
040-070	2	15	461	308	159	127	286	237	396	222	92	355	25	203	13	508	470	329	45	5
		20	461	308	159	127	316	303	488	222	92	355	25	203	13	508	470	329	45	5
		25	418	258	178	140	335	303	514	222	92	355	25	203	13	565	527	354	25	13
		30	418	258	178	140	335	303	514	222	92	355	25	203	13	565	527	354	25	13
	4	1.5	420	275	114	95	175	158	275	-	-	-	-	-	-	372	334	266	64	5
		2	420	275	114	95	175	158	275	-	-	-	-	-	-	372	334	266	64	5
		3	420	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		5	420	275	114	95	210	201	337	-	-	-	-	-	-	372	334	266	64	5
		7.5	420	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
		10	420	297	133	108	261	237	395	-	-	-	-	-	-	423	385	291	45	5
040-095	4	7.5	452	304	133	108	261	237	395	-	-	-	-	-	-	423	385	291	95	5
		10	452	304	133	108	261	237	395	-	-	-	-	-	-	423	385	291	95	5
		15	452	319	159	127	316	303	488	-	-	-	-	-	-	521	483	329	70	5
		20	452	319	159	127	316	303	488	-	-	-	-	-	-	521	483	329	70	5
040-110	4	15	459	325	159	127	316	303	488	-	-	-	-	-	-	521	483	329	70	5
		20	459	325	159	127	316	303	488	-	-	-	-	-	-	521	483	329	70	5
		25	494	370	178	140	335	303	558	-	-	-	-	-	-	553	514	385	51	8
		30	494	370	178	140	335	303	558	-	-	-	-	-	-	553	514	385	51	8
040-130	4	15	459	327	159	127	316	303	488	-	-	-	-	-	-	533	495	329	95	5
		20	459	327	159	127	316	303	488	-	-	-	-	-	-	533	495	329	95	5
		25	494	372	178	140	335	303	558	-	-	-	-	-	-	565	527	385	76	8
		30	494	372	178	140	335	303	558	-	-	-	-	-	-	565	527	385	76	8
050-070	2	15	461	340	159	127	286	237	396	-	-	-	-	-	-	508	470	329	45	5
		20	461	340	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5
		25	418	290	178	140	335	303	514	-	-	-	-	-	-	565	527	354	25	13
		30	418	290	178	140	335	303	514	-	-	-	-	-	-	565	527	354	25	13
	4	3	420	262	114	95	210	201	337	-	-	-	-	-	-	372	334	266	89	5
		5	420	262	114	95	210	201	337	-	-	-	-	-	-	372	334	266	89	5
		7.5	420	284	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
		10	420	284	133	108	261	237	395	-	-	-	-	-	-	423	385	291	70	5
050-095	4	10	504	356	133	108	261	237	395	-	-	-	-	-	-	445	406	291	121	5
		15	504	370	159	127	316	303	488	-	-	-	-	-	-	533	495	329	95	5
		20	504	370	159	127	316	303	488	-	-	-	-	-	-	533	495	329	95	5
		25	517	393	178	140	335	303	558	-	-	-	-	-	-	565	527	385	76	8
		30	517	393	178	140	335	303	558	-	-	-	-	-	-	565	527	385	76	8
050-110	4	15	459	325	159	127	316	303	488	-	-	-	-	-	-	533	495	329	95	5
		20	459	325	159	127	316	303	488	-	-	-	-	-	-	533	495	329	95	5
		25	494	370	178	140	335	303	558	-	-	-	-	-	-	565	527	385	76	8
		30	494	370	178	140	335	303	558	-	-	-	-	-	-	565	527	385	76	8
060-095	4	15	523	355	159	127	316	303	488	-	-	-	-	-	-	546	508	329	121	5
		20	523	355	159	127	316	303	488	-	-	-	-	-	-	546	508	329	121	5
		25	536	378	178	140	335	303	558	-	-	-	-	-	-	578	540	385	102	8
		30	536	378	178	140	335	303	558	-	-	-	-	-	-	578	540	385	102	8
060-110	4	25	549	391	178	140	335	303	558	-	-	-	-	-	-	578	540	385	102	8
		30	549	391	178	140	335	303	558	-	-	-	-	-	-	578	540	385	102	8

Dimensions for NBSE pumps (230 V), MLE, mounting design B&C

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			MLE motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
012-070	2	3	14.6	9.5	4.5	3.8	8.3	7.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		5	14.6	9.5	4.5	3.8	8.3	7.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	10.4	5.3	4.3	10.3	9.3	15.6	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		10	14.6	9.7	6.3	5.0	12.4	11.9	19.2	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
		15	14.6	10.2	6.3	5.0	12.4	11.9	19.2	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
015-070	2	5	14.6	9.5	4.5	3.8	8.3	7.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	10.4	5.3	4.3	10.3	9.3	15.6	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		10	14.6	9.7	6.3	5.0	12.4	11.9	19.2	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
		15	14.6	10.2	6.3	5.0	12.4	11.9	19.2	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
025-070	2	5	15.5	9.1	4.5	3.8	8.3	7.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	9.9	5.3	4.3	10.3	9.3	15.6	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		10	15.5	9.3	6.3	5.0	12.4	11.9	19.2	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		15	15.5	9.8	6.3	5.0	12.4	11.9	19.2	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
030-070	2	7.5	15.5	9.9	5.3	4.3	10.3	9.3	15.6	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		10	15.5	9.3	6.3	5.0	12.4	11.9	19.2	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		15	15.5	9.8	6.3	5.0	12.4	11.9	19.2	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
040-070	2	10	18.1	11.6	6.3	5.0	12.4	11.9	19.2	8.8	3.6	14.0	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		15	18.1	12.1	6.3	5.0	12.4	11.9	19.2	8.8	3.6	14.0	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
050-070	2	10	18.1	12.9	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		15	18.1	13.4	6.3	5.0	12.4	11.9	19.2	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2

Dimensions in mm.

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			MLE motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
012-070	2	3	372	243	114	95	210	201	337	197	79	290	45	178	5	349	311	266	64	5
		5	372	243	114	95	210	201	337	197	79	290	45	178	5	349	311	266	64	5
		7.5	372	265	133	108	261	237	395	197	79	290	45	178	5	423	385	291	45	5
		10	372	248	159	127	316	303	488	197	79	290	45	178	5	514	476	304	19	10
		15	372	260	159	127	316	303	488	197	79	290	45	178	5	514	476	304	19	10
015-070	2	5	372	243	114	95	210	201	337	197	79	290	45	178	5	349	311	266	64	5
		7.5	372	265	133	108	261	237	395	197	79	290	45	178	5	423	385	291	45	5
		10	372	248	159	127	316	303	488	197	79	290	45	178	5	514	476	304	19	10
		15	372	260	159	127	316	303	488	197	79	290	45	178	5	514	476	304	19	10
025-070	2	5	394	230	114	95	210	201	337	222	92	287	19	178	10	372	334	266	64	5
		7.5	394	253	133	108	261	237	395	222	92	287	19	178	10	423	385	291	45	5
		10	394	235	159	127	316	303	488	222	92	287	19	178	10	514	476	304	19	10
		15	394	248	159	127	316	303	488	222	92	287	19	178	10	514	476	304	19	10
030-070	2	7.5	394	252	133	108	261	237	395	222	92	287	19	178	10	423	385	291	45	5
		10	394	235	159	127	316	303	488	222	92	287	19	178	10	514	476	304	19	10
		15	394	248	159	127	316	303	488	222	92	287	19	178	10	514	476	304	19	10
040-070	2	10	461	295	159	127	316	303	488	222	92	355	25	203	13	508	470	329	45	5
		15	461	308	159	127	316	303	488	222	92	355	25	203	13	508	470	329	45	5
050-070	2	10	461	327	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5
		15	461	340	159	127	316	303	488	-	-	-	-	-	-	508	470	329	45	5

Dimensions for NBSE pumps (460 V), MLE, mounting design F

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	D	A2	L1	L2	L3	L4	B1	B2	B3	AF
012-070	2	3	14.6	10.8	3.9	7.9	14.1	0.6	6.3	35.2	6.3	17.9	11.0	11.3	15.6	13.6	5.3
		5	14.6	13.3	3.9	7.9	15.8	0.6	6.3	35.2	6.3	17.9	11.0	11.3	15.6	13.6	5.7
		7.5	14.6	14.6	3.9	8.0	15.9	0.6	6.3	34.6	6.3	17.0	11.3	11.3	15.6	13.6	5.7
		10	14.6	15.6	3.9	8.0	17.3	0.6	6.3	34.6	6.3	17.0	11.3	11.3	15.6	13.6	6.8
		15	14.6	15.6	3.9	9.0	18.3	0.6	6.9	38.0	6.9	20.4	10.8	13.0	17.4	15.4	6.8
	4	1.5	14.6	10.8	3.9	7.9	14.1	0.6	5.7	32.8	5.7	17.9	9.3	11.1	13.8	12.7	5.3
		2	14.6	10.8	3.9	7.9	14.1	0.6	5.7	32.8	5.7	17.9	9.3	11.1	13.8	12.7	5.3
015-070	2	5	14.6	13.3	3.9	7.9	15.8	0.6	6.3	35.2	6.3	17.9	11.0	11.3	15.6	13.6	5.7
		7.5	14.6	14.6	3.9	8.0	15.9	0.6	6.3	34.6	6.3	17.0	11.3	11.3	15.6	13.6	5.7
		10	14.6	15.6	3.9	8.0	17.3	0.6	6.3	34.6	6.3	17.0	11.3	11.3	15.6	13.6	6.8
		15	14.6	15.6	3.9	9.0	18.3	0.6	6.9	38.0	6.9	20.4	10.8	13.0	17.4	15.4	6.8
		20	14.6	19.2	3.9	9.0	20.9	0.6	6.9	38.0	6.9	20.4	10.8	13.0	17.4	15.4	8.3
	4	1.5	14.6	10.8	3.9	7.9	14.1	0.6	5.7	32.8	5.7	17.9	9.3	11.1	13.8	12.7	5.3
		2	14.6	10.8	3.9	7.9	14.1	0.6	5.7	32.8	5.7	17.9	9.3	11.1	13.8	12.7	5.3
		3	14.6	13.3	3.9	7.9	15.8	0.6	5.7	32.8	5.7	17.9	9.3	11.1	13.8	12.7	5.7
		5	14.6	13.3	3.9	7.9	15.8	0.6	5.7	32.8	5.7	17.9	9.3	11.1	13.8	12.7	5.7
015-090	2	15	17.1	15.6	3.9	9.7	19.0	0.6	6.5	41.6	6.5	22.4	12.8	14.8	19.1	17.2	6.8
		20	17.1	19.2	3.9	9.7	21.6	0.6	6.5	41.6	6.5	22.4	12.8	14.8	19.1	17.2	8.3
		25	15.4	20.2	3.9	10.2	22.2	0.6	7.3	40.2	7.3	20.2	12.7	14.8	18.1	16.8	8.3
		30	15.4	20.2	3.9	10.2	22.2	0.6	7.3	40.2	7.3	20.2	12.7	14.8	18.1	16.8	8.3
	4	1.5	15.5	10.8	3.9	9.7	15.9	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.3
		2	15.5	10.8	3.9	9.7	15.9	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.3
		3	15.5	13.3	3.9	9.7	17.6	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.7
		5	15.5	13.3	3.9	9.7	17.6	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.7
		7.5	15.5	15.6	3.9	9.7	19.0	0.6	5.9	32.6	5.9	17.0	9.7	14.6	17.3	16.2	6.8
		10	15.5	15.6	3.9	9.7	19.0	0.6	5.9	32.6	5.9	17.0	9.7	14.6	17.3	16.2	6.8
015-095	2	15	17.1	15.6	3.9	9.7	19.0	0.6	6.5	41.6	6.5	22.4	12.8	14.8	19.1	17.2	6.8
		20	17.1	19.2	3.9	9.7	21.6	0.6	6.5	41.6	6.5	22.4	12.8	14.8	19.1	17.2	8.3
		25	15.4	20.2	3.9	10.2	22.2	0.6	7.3	40.2	7.3	20.2	12.7	14.8	18.1	16.8	8.3
		30	15.4	20.2	3.9	10.2	22.2	0.6	7.3	40.2	7.3	20.2	12.7	14.8	18.1	16.8	8.3
	4	2	15.5	10.8	3.9	9.7	15.9	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.3
		3	15.5	13.3	3.9	9.7	17.6	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.7
		5	15.5	13.3	3.9	9.7	17.6	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.7
		7.5	15.5	15.6	3.9	9.7	19.0	0.6	5.9	32.6	5.9	17.0	9.7	14.6	17.3	16.2	6.8
		10	15.5	15.6	3.9	9.7	19.0	0.6	5.9	32.6	5.9	17.0	9.7	14.6	17.3	16.2	6.8
020-095	2	15	17.5	15.6	3.9	9.7	19.0	0.6	6.5	42.0	6.5	23.4	12.2	14.8	19.1	17.2	6.8
		20	17.5	19.2	3.9	9.7	21.6	0.6	6.5	42.0	6.5	23.4	12.2	14.8	19.1	17.2	8.3
		25	15.9	20.2	3.9	10.2	22.2	0.6	7.3	40.6	7.3	21.4	11.9	14.8	18.1	16.8	8.3
		30	15.9	20.2	3.9	10.2	22.2	0.6	7.3	40.6	7.3	21.4	11.9	14.8	18.1	16.8	8.3
	4	2	15.5	10.8	3.9	9.7	15.9	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.3
		3	15.5	13.3	3.9	9.7	17.6	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.7
		5	15.5	13.3	3.9	9.7	17.6	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.7
		7.5	15.5	15.6	3.9	9.7	19.0	0.6	5.9	32.6	5.9	17.0	9.7	14.6	17.3	16.2	6.8
		10	15.5	15.6	3.9	9.7	19.0	0.6	5.9	32.6	5.9	17.0	9.7	14.6	17.3	16.2	6.8
020-110	4	5	15.5	13.3	3.9	9.7	17.6	0.6	5.9	33.1	5.9	17.9	9.4	14.6	17.3	16.2	5.7
		7.5	15.5	15.6	3.9	9.7	19.0	0.6	5.9	32.6	5.9	17.0	9.7	14.6	17.3	16.2	6.8
		10	15.5	15.6	3.9	9.7	19.0	0.6	5.9	32.6	5.9	17.0	9.7	14.6	17.3	16.2	6.8
		15	15.5	19.2	3.9	9.7	21.6	0.6	5.9	38.8	5.9	21.6	11.4	14.6	17.3	16.2	8.3
		20	15.5	19.2	3.9	9.7	21.6	0.6	5.9	38.8	5.9	21.6	11.4	14.6	17.3	16.2	8.3

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	D	A2	L1	L2	L3	L4	B1	B2	B3	AF
020-135	4	7.5	17.6	15.6	5.5	12.0	21.3	0.6	6.5	34.6	6.5	18.3	9.7	15.6	18.9	17.6	6.8
		10	17.6	15.6	5.5	12.0	21.3	0.6	6.5	34.6	6.5	18.3	9.7	15.6	18.9	17.6	6.8
		15	17.6	19.2	5.5	12.0	23.9	0.6	6.5	40.8	6.5	22.6	11.7	15.6	18.9	17.6	8.3
		20	17.6	19.2	5.5	12.0	23.9	0.6	6.5	40.8	6.5	22.6	11.7	15.6	18.9	17.6	8.3
		25	18.9	22.0	5.5	12.0	23.9	0.6	6.5	41.0	6.5	22.5	12.1	15.6	18.9	17.6	8.3
		30	18.9	22.0	5.5	12.0	23.9	0.6	6.5	41.0	6.5	22.5	12.1	15.6	18.9	17.6	8.3
025-070	2	5	15.5	13.3	5.5	9.6	17.5	1.0	7.7	36.9	7.7	17.6	11.6	13.2	18.7	16.3	5.7
		7.5	15.5	14.6	5.5	9.6	17.5	1.0	7.7	36.9	7.7	17.6	11.6	13.2	18.7	16.3	5.7
		10	15.5	15.6	5.5	9.6	18.9	1.0	7.7	36.9	7.7	17.6	11.6	13.2	18.7	16.3	6.8
		15	15.5	15.6	5.5	9.7	19.0	1.0	7.7	39.6	7.7	20.4	11.6	13.2	18.7	16.3	6.8
		20	15.5	19.2	5.5	9.7	21.6	1.0	7.7	39.6	7.7	20.4	11.6	13.2	18.7	16.3	8.3
		25	15.4	20.2	5.5	10.4	22.4	1.0	7.5	40.6	7.5	20.2	12.9	15.0	20.5	18.0	8.3
		30	15.4	20.2	5.5	10.4	22.4	1.0	7.5	40.6	7.5	20.2	12.9	15.0	20.5	18.0	8.3
	4	1.5	15.5	10.8	5.5	9.6	15.8	0.6	7.1	35.2	7.1	17.9	10.2	13.0	16.8	15.2	5.3
		2	15.5	10.8	5.5	9.6	15.8	0.6	7.1	35.2	7.1	17.9	10.2	13.0	16.8	15.2	5.3
		3	15.5	13.3	5.5	9.6	17.5	0.6	7.1	35.2	7.1	17.9	10.2	13.0	16.8	15.2	5.7
		5	15.5	13.3	5.5	9.6	17.5	0.6	7.1	35.2	7.1	17.9	10.2	13.0	16.8	15.2	5.7
025-095	2	25	15.9	20.2	3.9	12.5	24.5	1.0	8.9	43.0	8.9	21.4	12.8	18.3	27.2	21.9	8.3
		30	15.9	20.2	3.9	12.5	24.5	1.0	8.9	43.0	8.9	21.4	12.8	18.3	27.2	21.9	8.3
	4	3	15.5	13.3	3.9	11.0	18.9	0.6	6.9	35.1	6.9	18.3	10.0	18.0	21.3	19.9	5.7
		5	15.5	13.3	3.9	11.0	18.9	0.6	6.9	35.1	6.9	18.3	10.0	18.0	21.3	19.9	5.7
		7.5	15.5	15.6	3.9	11.0	20.3	0.6	6.9	34.8	6.9	17.4	10.5	18.0	21.3	19.9	6.8
		10	15.5	15.6	3.9	11.0	20.3	0.6	6.9	34.8	6.9	17.4	10.5	18.0	21.3	19.9	6.8
025-110	4	7.5	17.6	15.6	5.5	12.1	21.5	0.6	8.1	37.3	8.1	18.3	10.9	16.5	22.0	19.1	6.8
		10	17.6	15.6	5.5	12.1	21.5	0.6	8.1	37.3	8.1	18.3	10.9	16.5	22.0	19.1	6.8
		15	17.6	19.2	5.5	12.1	24.1	0.6	8.1	43.8	8.1	22.5	13.3	16.5	22.0	19.1	8.3
		20	17.6	19.2	5.5	12.1	24.1	0.6	8.1	43.8	8.1	22.5	13.3	16.5	22.0	19.1	8.3
030-070	2	7.5	15.5	14.6	5.5	9.6	17.5	1.0	7.7	35.9	7.7	17.4	10.9	13.2	18.7	16.3	5.7
		10	15.5	15.6	5.5	9.6	18.9	1.0	7.7	35.9	7.7	17.4	10.9	13.2	18.7	16.3	6.8
		15	15.5	15.6	5.5	9.7	19.0	1.0	7.7	39.6	7.7	20.4	11.6	13.2	18.7	16.3	6.8
		20	15.5	19.2	5.5	9.7	21.6	1.0	7.7	39.6	7.7	20.4	11.6	13.2	18.7	16.3	8.3
		25	15.4	20.2	5.5	10.4	22.4	1.0	7.5	40.6	7.5	20.2	12.9	15.0	20.5	18.0	8.3
		30	15.4	20.2	5.5	10.4	22.4	1.0	7.5	40.6	7.5	20.2	12.9	15.0	20.5	18.0	8.3
	4	1.5	15.5	10.8	5.5	9.6	15.8	0.6	7.1	35.2	7.1	17.9	10.2	13.0	16.8	15.2	5.3
		2	15.5	10.8	5.5	9.6	15.8	0.6	7.1	35.2	7.1	17.9	10.2	13.0	16.8	15.2	5.3
		3	15.5	13.3	5.5	9.6	17.5	0.6	7.1	35.2	7.1	17.9	10.2	13.0	16.8	15.2	5.7
		5	15.5	13.3	5.5	9.6	17.5	0.6	7.1	35.2	7.1	17.9	10.2	13.0	16.8	15.2	5.7
030-095	4	5	17.3	13.3	5.5	11.0	18.9	0.6	6.9	35.1	6.9	18.3	10.0	18.0	21.3	19.9	5.7
		7.5	17.3	15.6	5.5	11.0	20.3	0.6	6.9	34.8	6.9	17.4	10.5	18.0	21.3	19.9	6.8
		10	17.3	15.6	5.5	11.0	20.3	0.6	6.9	34.8	6.9	17.4	10.5	18.0	21.3	19.9	6.8
		15	17.3	19.2	5.5	11.7	23.7	0.6	7.5	42.0	7.5	22.3	12.1	18.0	21.7	20.2	8.3
		20	17.3	19.2	5.5	11.7	23.7	0.6	7.5	42.0	7.5	22.3	12.1	18.0	21.7	20.2	8.3
030-110	4	10	17.6	15.6	5.5	11.0	20.3	0.6	6.9	35.0	6.9	18.3	9.7	18.0	21.3	19.9	6.8
		15	17.6	19.2	5.5	11.7	23.7	0.6	7.5	42.2	7.5	22.6	12.1	18.0	21.7	20.2	8.3
		20	17.6	19.2	5.5	11.7	23.7	0.6	7.5	42.2	7.5	22.6	12.1	18.0	21.7	20.2	8.3
030-135	4	15	17.6	19.2	5.5	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		20	17.6	19.2	5.5	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		25	18.9	22.0	5.5	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		30	18.9	22.0	5.5	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	D	A2	L1	L2	L3	L4	B1	B2	B3	AF
040-070	2	10	16.5	15.6	5.5	9.7	19.0	0.6	7.5	36.9	7.5	17.4	12.1	15.6	18.9	17.6	6.8
		15	18.1	15.6	5.5	10.2	19.5	0.6	7.5	43.2	7.5	22.4	13.3	15.6	18.9	17.6	6.8
		20	18.1	19.2	5.5	10.2	22.1	0.6	7.5	43.2	7.5	22.4	13.3	15.6	18.9	17.6	8.3
		25	16.4	20.2	5.5	10.8	22.7	0.6	7.1	39.6	7.1	20.2	12.3	15.6	19.4	17.8	8.3
		30	16.4	20.2	5.5	10.8	22.7	0.6	7.1	39.6	7.1	20.2	12.3	15.6	19.4	17.8	8.3
	4	1.5	16.5	10.8	5.5	9.7	15.9	0.6	6.3	33.9	6.3	17.8	9.8	15.4	18.1	17.0	5.3
		2	16.5	10.8	5.5	9.7	15.9	0.6	6.3	33.9	6.3	17.8	9.8	15.4	18.1	17.0	5.3
		3	16.5	13.3	5.5	9.7	17.6	0.6	6.3	33.9	6.3	17.8	9.8	15.4	18.1	17.0	5.7
		5	16.5	13.3	5.5	9.7	17.6	0.6	6.3	33.9	6.3	17.8	9.8	15.4	18.1	17.0	5.7
		7.5	16.5	15.6	5.5	9.7	19.0	0.6	6.3	33.9	6.3	17.8	9.8	15.4	18.1	17.0	6.8
		10	16.5	15.6	5.5	9.7	19.0	0.6	6.3	33.9	6.3	17.8	9.8	15.4	18.1	17.0	6.8
040-095	4	7.5	17.8	15.6	5.5	12.0	21.3	0.6	6.9	34.6	6.9	17.8	9.9	18.0	21.3	19.9	6.8
		10	17.8	15.6	5.5	12.0	21.3	0.6	6.9	34.6	6.9	17.8	9.9	18.0	21.3	19.9	6.8
		15	17.8	19.2	5.5	12.0	23.9	0.6	6.9	40.8	6.9	22.3	11.6	18.0	21.3	19.9	8.3
		20	17.8	19.2	5.5	12.0	23.9	0.6	6.9	40.8	6.9	22.3	11.6	18.0	21.3	19.9	8.3
040-110	4	15	18.1	19.2	5.5	12.0	23.9	0.6	6.9	41.2	6.9	22.6	11.7	18.0	21.3	19.9	8.3
		20	18.1	19.2	5.5	12.0	23.9	0.6	6.9	41.2	6.9	22.6	11.7	18.0	21.3	19.9	8.3
		25	19.4	22.0	5.5	13.1	25.1	0.6	8.1	43.8	8.1	22.5	13.3	18.1	23.6	20.6	8.3
		30	19.4	22.0	5.5	13.1	25.1	0.6	8.1	43.8	8.1	22.5	13.3	18.1	23.6	20.6	8.3
040-135	4	15	18.1	19.2	5.5	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		20	18.1	19.2	5.5	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		25	19.4	22.0	5.5	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		30	19.4	22.0	5.5	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
050-070	2	10	16.5	15.6	5.5	12.1	21.5	0.6	8.1	37.3	8.1	17.3	12.0	16.5	22.0	19.1	6.8
		15	18.1	15.6	5.5	12.1	21.5	0.6	8.1	44.0	8.1	21.6	14.3	16.5	22.0	19.1	6.8
		20	18.1	19.2	5.5	12.1	24.1	0.6	8.1	44.0	8.1	21.6	14.3	16.5	22.0	19.1	8.3
		25	16.4	20.2	5.5	12.1	24.1	0.6	8.1	44.0	8.1	21.6	14.3	16.5	22.0	19.1	8.3
		30	16.4	20.2	5.5	12.1	24.1	0.6	8.1	44.0	8.1	21.6	14.3	16.5	22.0	19.1	8.3
	4	3	16.5	13.3	5.5	12.1	20.0	0.6	8.1	37.3	8.1	17.3	12.0	16.5	22.0	19.1	5.7
		5	16.5	13.3	5.5	12.1	20.0	0.6	8.1	37.3	8.1	17.3	12.0	16.5	22.0	19.1	5.7
		7.5	16.5	15.6	5.5	12.1	21.5	0.6	8.1	37.3	8.1	17.3	12.0	16.5	22.0	19.1	6.8
		10	16.5	15.6	5.5	12.1	21.5	0.6	8.1	37.3	8.1	17.3	12.0	16.5	22.0	19.1	6.8
050-095	4	10	19.8	15.6	5.5	12.7	22.0	0.6	6.7	36.1	6.7	19.3	10.1	17.8	20.5	19.4	6.8
		15	19.8	19.2	5.5	12.7	24.6	0.6	6.7	42.4	6.7	23.6	12.1	17.8	20.5	19.4	8.3
		20	19.8	19.2	5.5	12.7	24.6	0.6	6.7	42.4	6.7	23.6	12.1	17.8	20.5	19.4	8.3
		25	20.3	22.0	5.5	12.7	24.6	0.6	6.7	42.4	6.7	23.6	12.1	17.8	20.5	19.4	8.3
		30	20.3	22.0	5.5	12.7	24.6	0.6	6.7	42.4	6.7	23.6	12.1	17.8	20.5	19.4	8.3
050-110	4	15	18.1	19.2	7.1	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		20	18.1	19.2	7.1	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		25	19.4	22.0	7.1	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
		30	19.4	22.0	7.1	12.7	24.6	0.6	7.3	44.4	7.3	23.6	13.5	18.0	22.3	20.3	8.3
060-095	4	15	20.6	19.2	7.1	16.1	28.0	1.0	10.8	46.9	10.8	22.1	13.9	22.0	31.9	25.7	8.3
		20	20.6	19.2	7.1	16.1	28.0	1.0	10.8	46.9	10.8	22.1	13.9	22.0	31.9	25.7	8.3
		25	21.1	22.0	7.1	16.1	28.0	1.0	11.8	52.4	11.8	25.7	14.9	22.0	31.9	25.7	8.3
		30	21.1	22.0	7.1	16.1	28.0	1.0	11.8	52.4	11.8	25.7	14.9	22.0	31.9	25.7	8.3
060-110	4	25	21.6	22.0	7.1	16.1	28.0	1.0	10.8	51.9	10.8	24.7	16.3	22.0	31.9	25.7	8.3
		30	21.6	22.0	7.1	16.1	28.0	1.0	10.8	51.9	10.8	24.7	16.3	22.0	31.9	25.7	8.3

Dimensions in mm.

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	D	A2	L1	L2	L3	L4	B1	B2	B3	AF
012-070	2	3	372	275	100	201	359	16	160	894	160	454	280	286	396	346	134
		5	372	337	100	201	402	16	160	894	160	454	280	286	396	346	146
		7.5	372	372	100	203	404	16	160	880	160	432	288	286	396	346	146
		10	372	396	100	203	440	16	160	880	160	432	288	286	396	346	173
		15	372	396	100	228	465	16	175	966	175	517	274	331	441	391	173
	4	1.5	372	275	100	201	359	16	145	834	145	454	235	282	350	322	134
		2	372	275	100	201	359	16	145	834	145	454	235	282	350	322	134
015-070	2	5	372	337	100	201	402	16	160	894	160	454	280	286	396	346	146
		7.5	372	372	100	203	404	16	160	880	160	432	288	286	396	346	146
		10	372	396	100	203	440	16	160	880	160	432	288	286	396	346	173
		15	372	396	100	228	465	16	175	966	175	517	274	331	441	391	173
		20	372	489	100	228	531	16	175	966	175	517	274	331	441	391	210
	4	1.5	372	275	100	201	359	16	145	834	145	454	235	282	350	322	134
		2	372	275	100	201	359	16	145	834	145	454	235	282	350	322	134
		3	372	337	100	201	402	16	145	834	145	454	235	282	350	322	146
		5	372	337	100	201	402	16	145	834	145	454	235	282	350	322	146
015-090	2	15	435	396	100	246	483	16	165	1057	165	568	324	376	486	436	173
		20	435	489	100	246	549	16	165	1057	165	568	324	376	486	436	210
		25	392	514	100	260	563	16	185	1020	185	512	323	376	460	426	210
		30	392	514	100	260	563	16	185	1020	185	512	323	376	460	426	210
	4	1.5	394	275	100	246	404	16	150	842	150	454	238	372	440	412	134
		2	394	275	100	246	404	16	150	842	150	454	238	372	440	412	134
		3	394	337	100	246	447	16	150	842	150	454	238	372	440	412	146
		5	394	337	100	246	447	16	150	842	150	454	238	372	440	412	146
		7.5	394	396	100	246	483	16	150	828	150	432	246	372	440	412	173
		10	394	396	100	246	483	16	150	828	150	432	246	372	440	412	173
015-095	2	15	435	396	100	246	483	16	165	1057	165	568	324	376	486	436	173
		20	435	489	100	246	549	16	165	1057	165	568	324	376	486	436	210
		25	392	514	100	260	563	16	185	1020	185	512	323	376	460	426	210
		30	392	514	100	260	563	16	185	1020	185	512	323	376	460	426	210
	4	2	394	275	100	246	404	16	150	842	150	454	238	372	440	412	134
		3	394	337	100	246	447	16	150	842	150	454	238	372	440	412	146
		5	394	337	100	246	447	16	150	842	150	454	238	372	440	412	146
		7.5	394	396	100	246	483	16	150	828	150	432	246	372	440	412	173
		10	394	396	100	246	483	16	150	828	150	432	246	372	440	412	173
020-095	2	15	446	396	100	246	483	16	165	1068	165	594	309	376	486	436	173
		20	446	489	100	246	549	16	165	1068	165	594	309	376	486	436	210
		25	403	514	100	260	563	16	185	1031	185	544	302	376	460	426	210
		30	403	514	100	260	563	16	185	1031	185	544	302	376	460	426	210
	4	2	394	275	100	246	404	16	150	842	150	454	238	372	440	412	134
		3	394	337	100	246	447	16	150	842	150	454	238	372	440	412	146
		5	394	337	100	246	447	16	150	842	150	454	238	372	440	412	146
		7.5	394	396	100	246	483	16	150	828	150	432	246	372	440	412	173
		10	394	396	100	246	483	16	150	828	150	432	246	372	440	412	173
020-110	4	5	394	337	100	246	447	16	150	842	150	454	238	372	440	412	146
		7.5	394	396	100	246	483	16	150	828	150	432	246	372	440	412	173
		10	394	396	100	246	483	16	150	828	150	432	246	372	440	412	173
		15	394	489	100	246	549	16	150	986	150	548	289	372	440	412	210
		20	394	489	100	246	549	16	150	986	150	548	289	372	440	412	210

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	D	A2	L1	L2	L3	L4	B1	B2	B3	AF
020-135	4	7.5	446	396	140	304	541	16	165	878	165	465	248	396	480	446	173
		10	446	396	140	304	541	16	165	878	165	465	248	396	480	446	173
		15	446	489	140	304	607	16	165	1036	165	574	298	396	480	446	210
		20	446	489	140	304	607	16	165	1036	165	574	298	396	480	446	210
		25	481	558	140	304	607	16	165	1042	165	570	307	396	480	446	210
		30	481	558	140	304	607	16	165	1042	165	570	307	396	480	446	210
025-070	2	5	394	337	140	244	445	26	195	937	195	448	294	335	475	413	146
		7.5	394	372	140	244	445	26	195	937	195	448	294	335	475	413	146
		10	394	396	140	244	481	26	195	937	195	448	294	335	475	413	173
		15	394	396	140	246	483	26	195	1006	195	517	294	335	475	413	173
		20	394	489	140	246	549	26	195	1006	195	517	294	335	475	413	210
		25	392	514	140	265	568	26	190	1031	190	512	329	380	520	458	210
		30	392	514	140	265	568	26	190	1031	190	512	329	380	520	458	210
	4	1.5	394	275	140	244	402	16	180	894	180	454	260	331	427	387	134
		2	394	275	140	244	402	16	180	894	180	454	260	331	427	387	134
		3	394	337	140	244	445	16	180	894	180	454	260	331	427	387	146
		5	394	337	140	244	445	16	180	894	180	454	260	331	427	387	146
025-095	2	25	403	514	100	318	621	26	225	1093	225	544	324	464	690	556	210
		30	403	514	100	318	621	26	225	1093	225	544	324	464	690	556	210
	4	3	394	337	100	278	479	16	175	892	175	464	253	456	540	506	146
		5	394	337	100	278	479	16	175	892	175	464	253	456	540	506	146
		7.5	394	396	100	278	515	16	175	883	175	442	266	456	540	506	173
		10	394	396	100	278	515	16	175	883	175	442	266	456	540	506	173
025-110	4	7.5	446	396	140	308	545	16	205	948	205	465	278	420	560	484	173
		10	446	396	140	308	545	16	205	948	205	465	278	420	560	484	173
		15	446	489	140	308	611	16	205	1112	205	570	337	420	560	484	210
		20	446	489	140	308	611	16	205	1112	205	570	337	420	560	484	210
030-070	2	7.5	394	372	140	244	445	26	195	913	195	441	277	335	475	413	146
		10	394	396	140	244	481	26	195	913	195	441	277	335	475	413	173
		15	394	396	140	246	483	26	195	1006	195	517	294	335	475	413	173
		20	394	489	140	246	549	26	195	1006	195	517	294	335	475	413	210
		25	392	514	140	265	568	26	190	1031	190	512	329	380	520	458	210
		30	392	514	140	265	568	26	190	1031	190	512	329	380	520	458	210
	4	1.5	394	275	140	244	402	16	180	894	180	454	260	331	427	387	134
		2	394	275	140	244	402	16	180	894	180	454	260	331	427	387	134
		3	394	337	140	244	445	16	180	894	180	454	260	331	427	387	146
		5	394	337	140	244	445	16	180	894	180	454	260	331	427	387	146
030-095	4	5	440	337	140	278	479	16	175	892	175	464	253	456	540	506	146
		7.5	440	396	140	278	515	16	175	883	175	442	266	456	540	506	173
		10	440	396	140	278	515	16	175	883	175	442	266	456	540	506	173
		15	440	489	140	298	601	16	190	1066	190	568	309	456	552	512	210
		20	440	489	140	298	601	16	190	1066	190	568	309	456	552	512	210
030-110	4	10	446	396	140	278	515	16	175	888	175	465	248	456	540	506	173
		15	446	489	140	298	601	16	190	1071	190	574	308	456	552	512	210
		20	446	489	140	298	601	16	190	1071	190	574	308	456	552	512	210
030-135	4	15	446	489	140	322	625	16	185	1129	185	601	343	456	566	516	210
		20	446	489	140	322	625	16	185	1129	185	601	343	456	566	516	210
		25	481	558	140	322	625	16	185	1129	185	601	343	456	566	516	210
		30	481	558	140	322	625	16	185	1129	185	601	343	456	566	516	210

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	D	A2	L1	L2	L3	L4	B1	B2	B3	AF
040-070	2	10	420	396	140	246	483	16	190	938	190	441	307	396	480	446	173
		15	461	396	140	259	496	16	190	1097	190	568	339	396	480	446	173
		20	461	489	140	259	562	16	190	1097	190	568	339	396	480	446	210
		25	418	514	140	275	578	16	180	1005	180	512	313	396	492	452	210
		30	418	514	140	275	578	16	180	1005	180	512	313	396	492	452	210
	4	1.5	420	275	140	246	404	16	160	862	160	453	249	392	460	432	134
		2	420	275	140	246	404	16	160	862	160	453	249	392	460	432	134
		3	420	337	140	246	447	16	160	862	160	453	249	392	460	432	146
		5	420	337	140	246	447	16	160	862	160	453	249	392	460	432	146
		7.5	420	396	140	246	483	16	160	862	160	453	249	392	460	432	173
		10	420	396	140	246	483	16	160	862	160	453	249	392	460	432	173
040-095	4	7.5	452	396	140	304	541	16	175	879	175	452	252	456	540	506	173
		10	452	396	140	304	541	16	175	879	175	452	252	456	540	506	173
		15	452	489	140	304	607	16	175	1036	175	568	294	456	540	506	210
		20	452	489	140	304	607	16	175	1036	175	568	294	456	540	506	210
040-110	4	15	459	489	140	304	607	16	175	1046	175	574	298	456	540	506	210
		20	459	489	140	304	607	16	175	1046	175	574	298	456	540	506	210
		25	494	558	140	334	637	16	205	1112	205	570	337	460	600	524	210
		30	494	558	140	334	637	16	205	1112	205	570	337	460	600	524	210
040-135	4	15	459	489	140	322	625	16	185	1129	185	601	343	456	566	516	210
		20	459	489	140	322	625	16	185	1129	185	601	343	456	566	516	210
		25	494	558	140	322	625	16	185	1129	185	601	343	456	566	516	210
		30	494	558	140	322	625	16	185	1129	185	601	343	456	566	516	210
050-070	2	10	420	396	140	308	545	16	205	947	205	438	304	420	560	484	173
		15	461	396	140	308	545	16	205	1117	205	548	364	420	560	484	173
		20	461	489	140	308	611	16	205	1117	205	548	364	420	560	484	210
		25	418	514	140	308	611	16	205	1117	205	548	364	420	560	484	210
		30	418	514	140	308	611	16	205	1117	205	548	364	420	560	484	210
	4	3	420	337	140	308	509	16	205	947	205	438	304	420	560	484	146
		5	420	337	140	308	509	16	205	947	205	438	304	420	560	484	146
		7.5	420	396	140	308	545	16	205	947	205	438	304	420	560	484	173
		10	420	396	140	308	545	16	205	947	205	438	304	420	560	484	173
050-095	4	10	504	396	140	322	559	16	170	918	170	490	258	452	520	492	173
		15	504	489	140	322	625	16	170	1076	170	600	306	452	520	492	210
		20	504	489	140	322	625	16	170	1076	170	600	306	452	520	492	210
		25	517	558	140	322	625	16	170	1076	170	600	306	452	520	492	210
		30	517	558	140	322	625	16	170	1076	170	600	306	452	520	492	210
050-110	4	15	459	489	180	322	625	16	185	1129	185	601	343	456	566	516	210
		20	459	489	180	322	625	16	185	1129	185	601	343	456	566	516	210
		25	494	558	180	322	625	16	185	1129	185	601	343	456	566	516	210
		30	494	558	180	322	625	16	185	1129	185	601	343	456	566	516	210
060-095	4	15	523	489	180	409	712	26	275	1190	275	561	354	558	810	654	210
		20	523	489	180	409	712	26	275	1190	275	561	354	558	810	654	210
		25	536	558	180	409	712	26	300	1330	300	652	378	558	810	654	210
		30	536	558	180	409	712	26	300	1330	300	652	378	558	810	654	210
060-110	4	25	549	558	180	409	712	26	275	1318	275	629	415	558	810	654	210
		30	549	558	180	409	712	26	275	1318	275	629	415	558	810	654	210

Dimensions for NBSE pumps (230 V), MLE, mounting design F

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

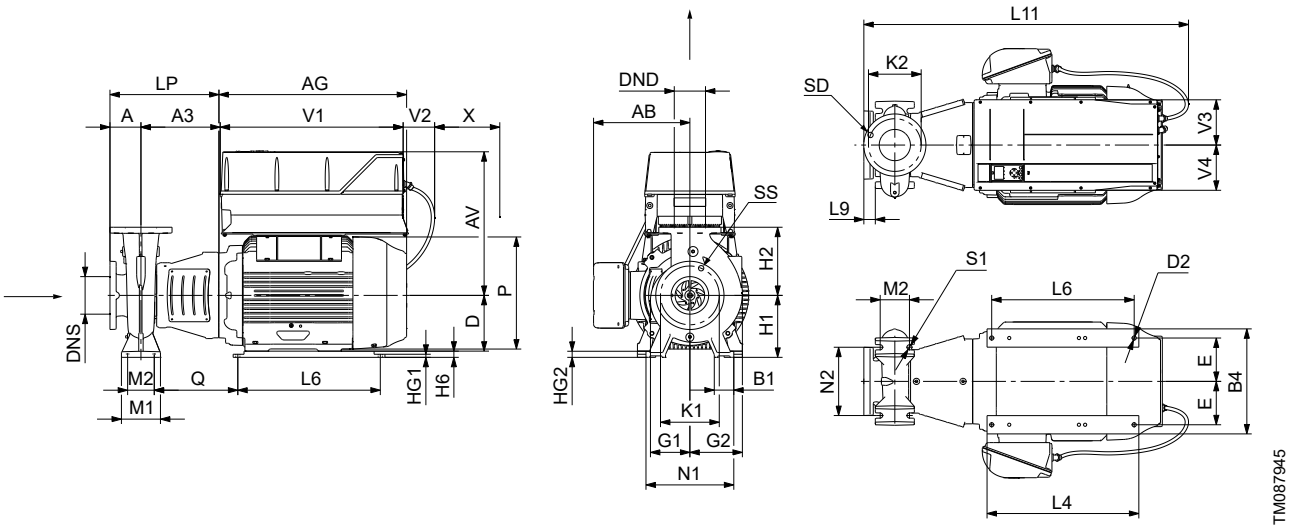
Dimensions in inch.

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	D	A2	L1	L2	L3	L4	B1	B2	B3	AF
012-070	2	3	14.6	13.3	3.9	7.9	15.8	0.6	6.3	35.2	6.3	17.9	11.0	11.3	15.6	13.6	5.7
		5	14.6	13.3	3.9	7.9	15.8	0.6	6.3	35.2	6.3	17.9	11.0	11.3	15.6	13.6	5.7
		7.5	14.6	15.6	3.9	8.0	17.3	0.6	6.3	34.6	6.3	17.0	11.3	11.3	15.6	13.6	6.8
		10	14.6	19.2	3.9	9.0	20.9	0.6	6.9	38.0	6.9	20.4	10.8	13.0	17.4	15.4	8.3
		15	14.6	19.2	3.9	9.0	20.9	0.6	6.9	38.0	6.9	20.4	10.8	13.0	17.4	15.4	8.3
015-070	2	5	14.6	13.3	3.9	7.9	15.8	0.6	6.3	35.2	6.3	17.9	11.0	11.3	15.6	13.6	5.7
		7.5	14.6	15.6	3.9	8.0	17.3	0.6	6.3	34.6	6.3	17.0	11.3	11.3	15.6	13.6	6.8
		10	14.6	19.2	3.9	9.0	20.9	0.6	6.9	38.0	6.9	20.4	10.8	13.0	17.4	15.4	8.3
		15	14.6	19.2	3.9	9.0	20.9	0.6	6.9	38.0	6.9	20.4	10.8	13.0	17.4	15.4	8.3
025-070	2	5	15.5	13.3	5.5	9.6	17.5	1.0	7.7	36.9	7.7	17.6	11.6	13.2	18.7	16.3	5.7
		7.5	15.5	15.6	5.5	9.6	18.9	1.0	7.7	36.9	7.7	17.6	11.6	13.2	18.7	16.3	6.8
		10	15.5	19.2	5.5	9.7	21.6	1.0	7.7	39.6	7.7	20.4	11.6	13.2	18.7	16.3	8.3
		15	15.5	19.2	5.5	9.7	21.6	1.0	7.7	39.6	7.7	20.4	11.6	13.2	18.7	16.3	8.3
030-070	2	7.5	15.5	15.6	5.5	9.6	18.9	1.0	7.7	35.9	7.7	17.4	10.9	13.2	18.7	16.3	6.8
		10	15.5	19.2	5.5	9.7	21.6	1.0	7.7	39.6	7.7	20.4	11.6	13.2	18.7	16.3	8.3
		15	15.5	19.2	5.5	9.7	21.6	1.0	7.7	39.6	7.7	20.4	11.6	13.2	18.7	16.3	8.3
040-070	2	10	18.1	19.2	5.5	10.2	22.1	0.6	7.5	43.2	7.5	22.4	13.3	15.6	18.9	17.6	8.3
		15	18.1	19.2	5.5	10.2	22.1	0.6	7.5	43.2	7.5	22.4	13.3	15.6	18.9	17.6	8.3
050-070	2	10	18.1	19.2	5.5	12.1	24.1	0.6	8.1	44.0	8.1	21.6	14.3	16.5	22.0	19.1	8.3
		15	18.1	19.2	5.5	12.1	24.1	0.6	8.1	44.0	8.1	21.6	14.3	16.5	22.0	19.1	8.3

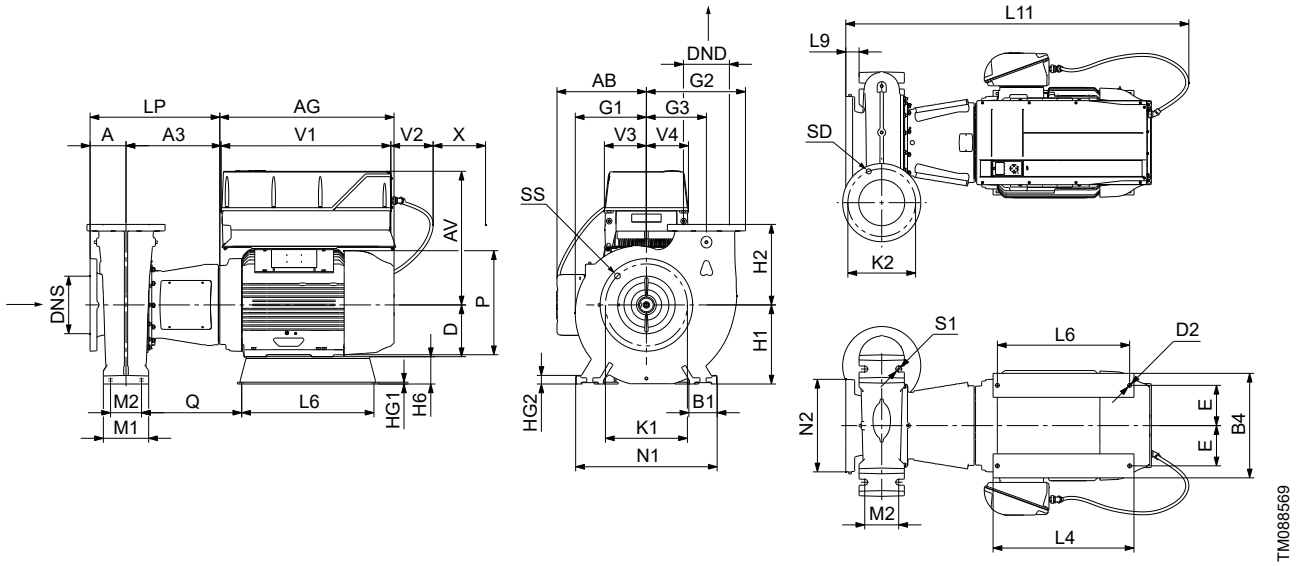
Dimensions in mm.

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	D	A2	L1	L2	L3	L4	B1	B2	B3	AF
012-070	2	3	372	337	100	201	402	16	160	894	160	454	280	286	396	346	146
		5	372	337	100	201	402	16	160	894	160	454	280	286	396	346	146
		7.5	372	396	100	203	440	16	160	880	160	432	288	286	396	346	173
		10	372	489	100	228	531	16	175	966	175	517	274	331	441	391	210
		15	372	489	100	228	531	16	175	966	175	517	274	331	441	391	210
015-070	2	5	372	337	100	201	402	16	160	894	160	454	280	286	396	346	146
		7.5	372	396	100	203	440	16	160	880	160	432	288	286	396	346	173
		10	372	489	100	228	531	16	175	966	175	517	274	331	441	391	210
		15	372	489	100	228	531	16	175	966	175	517	274	331	441	391	210
025-070	2	5	394	337	140	244	445	26	195	937	195	448	294	335	475	413	146
		7.5	394	396	140	244	481	26	195	937	195	448	294	335	475	413	173
		10	394	489	140	246	549	26	195	1006	195	517	294	335	475	413	210
		15	394	489	140	246	549	26	195	1006	195	517	294	335	475	413	210
030-070	2	7.5	394	396	140	244	481	26	195	913	195	441	277	335	475	413	173
		10	394	489	140	246	549	26	195	1006	195	517	294	335	475	413	210
		15	394	489	140	246	549	26	195	1006	195	517	294	335	475	413	210
040-070	2	10	461	489	140	259	562	16	190	1097	190	568	339	396	480	446	210
		15	461	489	140	259	562	16	190	1097	190	568	339	396	480	446	210
050-070	2	10	461	489	140	308	611	16	205	1117	205	548	364	420	560	484	210
		15	461	489	140	308	611	16	205	1117	205	548	364	420	560	484	210

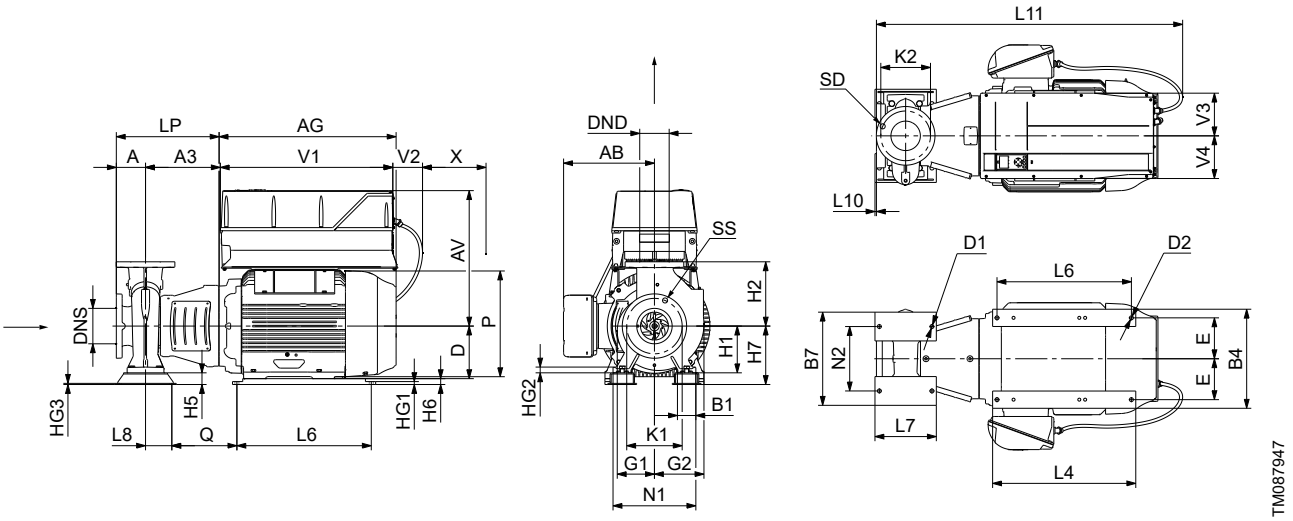
Dimensional drawings, NBSE with integrated CUE



Mounting design B, center-line outlet



Mounting design B, tangential outlet



Mounting design C, center-line outlet

Dimensions for NBSE with integrated CUE (200V), mounting design B & C

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	WEG PM motor										Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
012-070	2	3	1.2	0.8	35.3	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
		5	1.2	0.8	37.7	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
		7.5	1.2	0.8	39.8	14.6	9.7	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	7.8	3.1	11.4	1.8	7.0	0.2	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.2	0.8	39.8	14.6	9.7	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	7.8	3.1	11.4	1.8	7.0	0.2	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		15	1.2	0.8	46.3	14.6	10.2	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	7.8	3.1	11.4	1.8	7.0	0.2	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.2	0.8	48.1	14.6	10.2	6.3	5.0	13.9	10.7	22.4	10.8	19.7	27.0	7.9	7.2	7.2	7.8	3.1	11.4	1.8	7.0	0.2	0.7	20.3	18.8	12.0	0.8	0.4	0.7
	4	1.5	1.2	0.8	33.7	13.3	7.3	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	7.8	3.1	10.4	1.0	6.3	0.5	0.7	13.3	11.8	8.5	2.8	0.2	0.7
		2	1.2	0.8	33.7	13.3	7.3	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	7.8	3.1	10.4	1.0	6.3	0.5	0.7	13.3	11.8	8.5	2.8	0.2	0.7
015-070	2	5	1.2	0.8	37.7	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
		7.5	1.2	0.8	39.8	14.6	9.7	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	7.8	3.1	11.4	1.8	7.0	0.2	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.2	0.8	39.8	14.6	9.7	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	7.8	3.1	11.4	1.8	7.0	0.2	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		15	1.2	0.8	46.3	14.6	10.2	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	7.8	3.1	11.4	1.8	7.0	0.2	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.2	0.8	48.1	14.6	10.2	6.3	5.0	13.9	10.7	22.4	10.8	19.7	27.0	7.9	7.2	7.2	7.8	3.1	11.4	1.8	7.0	0.2	0.7	20.3	18.8	12.0	0.8	0.4	0.7
	4	1.5	1.2	0.8	33.7	13.3	7.3	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	7.8	3.1	10.4	1.0	6.3	0.5	0.7	13.3	11.8	8.5	2.8	0.2	0.7
		2	1.2	0.8	33.7	13.3	7.3	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	7.8	3.1	10.4	1.0	6.3	0.5	0.7	13.3	11.8	8.5	2.8	0.2	0.7
		3	1.2	0.8	35.3	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
		5	1.2	0.8	37.7	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
015-090	2	15	1.5	0.4	49.1	17.1	12.1	6.3	5.0	13.9	10.7	20.6	12.0	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.5	0.4	50.9	17.1	12.1	6.3	5.0	13.9	10.7	22.4	12.5	19.7	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		25	1.5	0.4	48.8	15.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.4	48.8	15.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	1.5	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		3	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	-	39.4	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
015-095	2	15	1.5	0.4	49.1	17.1	12.1	6.3	5.0	13.9	10.7	20.6	12.0	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.5	0.4	50.9	17.1	12.1	6.3	5.0	13.9	10.7	22.4	12.5	19.7	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		25	1.5	0.4	48.8	15.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.4	48.8	15.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		3	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	-	39.4	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		7.5	1.5	-	41.5	15.5	10.9	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.5	-	41.5	15.5	10.9	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7

Pump size	Pole	P2 [hp]				WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
020-095	2	15	1.5	0.4	49.5	17.5	12.5	6.3	5.0	13.9	10.7	20.6	12.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.5	0.4	51.3	17.5	12.5	6.3	5.0	13.9	10.7	22.4	12.9	19.7	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		25	1.5	0.4	49.2	15.9	10.6	7.0	5.5	15.1	11.3	22.8	10.7	20.3	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.4	49.2	15.9	10.6	7.0	5.5	15.1	11.3	22.8	10.7	20.3	27.0	7.9	7.2	7.2	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.5	0.5	53.1	16.8	11.8	8.0	6.3	16.7	12.9	24.5	11.6	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	53.1	16.8	11.8	8.0	6.3	16.7	12.9	24.5	11.6	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		3	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	-	39.4	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		7.5	1.5	-	41.5	15.5	10.9	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.5	-	41.5	15.5	10.9	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
020-110	4	5	1.5	-	39.4	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		7.5	1.5	-	41.5	15.5	10.9	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.5	-	41.5	15.5	10.9	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		15	1.5	-	47.9	15.5	11.5	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.5	-	49.7	15.5	11.5	6.3	5.0	13.9	10.7	22.4	10.8	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	20.3	18.8	12.0	0.8	0.4	0.7
		7.5	2.5	-	43.5	17.6	12.0	5.3	4.3	10.7	8.3	16.3	11.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2	0.7
		10	2.5	-	43.5	17.6	12.0	5.3	4.3	10.7	8.3	16.3	11.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2	0.7
020-135	4	15	2.5	-	49.9	17.6	13.3	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		20	2.5	-	51.7	17.6	13.3	6.3	5.0	13.9	10.7	22.4	11.9	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		25	2.5	-	52.6	18.9	15.1	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3	0.7
		30	2.5	-	52.6	18.9	15.1	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3	0.7
	2	7.5	1.5	0.4	41.1	15.5	9.2	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	8.8	3.6	11.3	0.8	7.0	0.4	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.5	0.4	41.1	15.5	9.2	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	8.8	3.6	11.3	0.8	7.0	0.4	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		15	1.5	0.4	47.5	15.5	9.8	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	11.3	0.8	7.0	0.4	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.5	0.4	49.3	15.5	9.8	6.3	5.0	13.9	10.7	22.4	10.9	19.7	27.0	7.9	7.2	7.2	8.8	3.6	11.3	0.8	7.0	0.4	0.7	20.3	18.8	12.0	0.8	0.4	0.7
025-070		25	1.5	0.5	48.6	15.4	10.0	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	9.0	3.8	12.3	1.8	8.0	0.2	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.5	48.6	15.4	10.0	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	9.0	3.8	12.3	1.8	8.0	0.2	0.7	22.3	20.8	14.0	1.0	0.5	0.7
	4	1.5	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2	0.7
		2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2	0.7
		3	1.5	0.4	36.5	15.5	8.3	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	8.8	3.6	11.3	0.8	7.0	0.4	0.7	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	0.4	39.0	15.5	8.3	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	8.8	3.6	11.3	0.8	7.0	0.4	0.7	14.7	13.2	10.5	2.5	0.2	0.7
	2	25	0.9	-	49.6	15.9	11.9	7.0	5.5	15.1	11.3	22.8	10.7	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5	0.7
		30	0.9	-	49.6	15.9	11.9	7.0	5.5	15.1	11.3	22.8	10.7	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5	0.7
		40	0.9	1.3	52.4	16.8	11.1	8.0	6.3	16.7	12.9	24.5	11.6	21.9	30.2	7.9	7.3	7.3	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
025-095		50	0.9	1.3	52.4	16.8	11.1	8.0	6.3	16.7	12.9	24.5	11.6	21.9	30.2	7.9	7.3	7.3	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	3	0.9	-	36.9	15.5	9.6	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		5	0.9	-	39.4	15.5	9.6	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		7.5	0.9	-	41.5	15.5	10.5	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		10	0.9	-	41.5	15.5	10.5	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		7.5	1.9	-	43.5	17.6	11.5	5.3	4.3	10.7	8.3	16.3	11.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		10	1.9	-	43.5	17.6	11.5	5.3	4.3	10.7	8.3	16.3	11.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
025-110	4	15	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.9	-	51.7	17.6	12.8	6.3	5.0	13.9	10.7	22.4	11.9	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
030-070	2	15	1.5	0.4	47.5	15.5	9.7	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	11.3	0.8	7.0	0.4	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.5	0.4	49.3	15.5	9.7	6.3	5.0	13.9	10.7	22.4	10.8	19.7	27.0	7.9	7.2	7.2	8.8	3.6	11.3	0.8	7.0	0.4	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		25	1.5	0.5	48.6	15.4	10.0	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	9.0	3.8	12.3	1.8	8.0	0.2	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.5	48.6	15.4	10.0	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	9.0	3.8	12.3	1.8	8.0	0.2	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	12.3	2.8	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	12.3	2.8	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	1.5	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2	0.7
		2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2	0.7
		3	1.5	0.4	36.5	15.5	8.3	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	8.8	3.6	11.3	0.8	7.0	0.4	0.7	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	0.4	39.0	15.5	8.3	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	8.8	3.6	11.3	0.8	7.0	0.4	0.7	14.7	13.2	10.5	2.5	0.2	0.7
030-095	2	40	1.9	0.3	55.2	18.5	11.8	8.0	6.3	16.7	12.9	24.5	12.4	21.9	30.2	7.9	7.3	7.3	10.5	4.5	16.3	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.9	0.3	55.2	18.5	11.8	8.0	6.3	16.7	12.9	24.5	12.4	21.9	30.2	7.9	7.3	7.3	10.5	4.5	16.3	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	5	1.9	-	41.2	17.3	10.4	4.5	3.8	9.1	7.5	13.3	9.4	16.3	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		7.5	1.9	-	43.2	17.3	11.2	5.3	4.3	10.7	8.3	16.3	11.5	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		10	1.9	-	43.2	17.3	11.2	5.3	4.3	10.7	8.3	16.3	11.5	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		15	1.9	-	49.7	17.3	12.5	6.3	5.0	13.9	10.7	20.6	11.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.9	-	51.5	17.3	12.5	6.3	5.0	13.9	10.7	22.4	11.6	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
030-110	4	10	1.9	-	43.5	17.6	11.5	5.3	4.3	10.7	8.3	16.3	11.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		15	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.9	-	51.7	17.6	12.8	6.3	5.0	13.9	10.7	22.4	11.9	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
030-135	4	15	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		20	1.9	-	51.7	17.6	12.8	6.3	5.0	13.9	10.7	22.4	11.9	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		25	1.9	-	52.6	18.9	14.6	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		30	1.9	-	52.6	18.9	14.6	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		40	1.9	-	56.8	19.9	15.9	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	1.9	-	56.8	19.9	15.9	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
040-070	2	20	2.5	0.6	51.7	18.1	12.1	6.3	5.0	13.9	10.7	22.4	12.5	19.7	27.0	7.9	7.2	7.2	8.8	3.6	14.0	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		25	2.5	0.6	49.5	16.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	8.8	3.6	14.0	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	2.5	0.6	49.5	16.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	8.8	3.6	14.0	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	2.5	0.5	53.7	17.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	15.0	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	2.5	0.5	53.7	17.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	15.0	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	2	2.5	-	36.3	15.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		3	2.5	-	37.9	16.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		5	2.5	-	40.4	16.5	10.1	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		7.5	2.5	-	42.5	16.5	10.9	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		10	2.5	-	42.5	16.5	10.9	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
040-095	4	7.5	2.4	-	43.7	17.8	11.2	5.3	4.3	10.7	8.3	16.3	11.5	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2	0.7
		10	2.4	-	43.7	17.8	11.2	5.3	4.3	10.7	8.3	16.3	11.5	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2	0.7
		15	2.4	-	50.2	17.8	12.5	6.3	5.0	13.9	10.7	20.6	11.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		20	2.4	-	52.0	17.8	12.5	6.3	5.0	13.9	10.7	22.4	11.6	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
040-110	4	15	2.4	-	50.4	18.1	12.8	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		20	2.4	-	52.2	18.1	12.8	6.3	5.0	13.9	10.7	22.4	11.9	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		25	2.4	-	53.1	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3	0.7
		30	2.4	-	53.1	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3	0.7
040-135	4	20	2.4	-	52.2	18.1	12.9	6.3	5.0	13.9	10.7	22.4	11.9	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		25	2.4	-	53.1	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		30	2.4	-	53.1	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		40	2.4	-	57.3	20.4	16.0	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	2.4	-	57.3	20.4	16.0	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
040-150	4	50	1.6	-	58.4	21.5	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
050-070	2	30	1.9	-	50.2	16.4	11.4	7.0	5.5	15.1	11.3	22.8	10.3	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.9	0.3	54.0	17.3	10.6	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.9	0.3	54.0	17.3	10.6	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	3	1.9	-	37.9	16.5	9.6	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		5	1.9	-	40.4	16.5	9.6	4.5	3.8	9.1	7.5	13.3	8.6	16.3	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		7.5	1.9	-	42.5	16.5	10.5	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		10	1.9	-	42.5	16.5	10.5	5.3	4.3	10.7	8.3	16.3	10.7	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
050-095	4	10	2.4	-	45.8	19.8	13.3	5.3	4.3	10.7	8.3	16.3	13.5	15.9	18.9	7.9	5.4	5.4	-	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2	0.7
		15	2.4	-	52.2	19.8	14.6	6.3	5.0	13.9	10.7	20.6	13.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		20	2.4	-	54.0	19.8	14.6	6.3	5.0	13.9	10.7	22.4	13.7	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		25	2.4	-	54.0	20.3	15.5	7.0	5.5	15.1	11.3	22.8	13.7	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		30	2.4	-	54.0	20.3	15.5	7.0	5.5	15.1	11.3	22.8	13.7	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
050-110	4	20	2.4	-	52.2	18.1	12.8	6.3	5.0	13.9	10.7	22.4	11.9	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		25	2.4	-	53.1	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		30	2.4	-	53.1	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		40	2.4	-	57.3	20.4	15.9	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	2.4	-	57.3	20.4	15.9	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
050-135	4	25	1.6	-	54.6	20.9	15.4	7.0	5.5	15.1	11.3	22.8	14.2	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		30	1.6	-	54.6	20.9	15.4	7.0	5.5	15.1	11.3	22.8	14.2	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		40	1.6	-	58.4	21.5	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	1.6	-	58.4	21.5	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
060-095	4	20	2.3	-	54.8	20.6	14.0	6.3	5.0	13.9	10.7	22.4	13.7	19.7	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2	0.7
		25	2.3	-	54.8	21.1	14.9	7.0	5.5	15.1	11.3	22.8	13.7	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		30	2.3	-	54.8	21.1	14.9	7.0	5.5	15.1	11.3	22.8	13.7	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		40	2.3	-	58.6	21.7	15.9	8.0	6.3	16.7	12.9	24.5	14.3	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	2.3	-	58.6	21.7	15.9	8.0	6.3	16.7	12.9	24.5	14.3	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
060-110	4	30	2.3	-	55.3	21.6	15.4	7.0	5.5	15.1	11.3	22.8	14.2	20.3	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		40	2.3	-	59.2	22.3	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	2.3	-	59.2	22.3	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
080-135	4	60	2.3	-	61.5	22.3	17.1	9.0	7.0	18.5	15.6	30.5	17.2	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3	0.7

Dimensions in mm.

Pump size	Pole	P2 [hp]				MEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
012-070	2	3	29	19	896	372	224	114	95	231	190	337	216	357	420	200	124	124	197	79	290	45	178	5	18	349	311	266	64	5	18
		5	29	19	959	372	224	114	95	231	190	337	219	415	480	200	137	137	197	79	290	45	178	5	18	349	311	266	64	5	18
		7.5	29	19	1012	372	246	133	108	271	210	413	272	405	480	200	137	137	197	79	290	45	178	5	18	423	385	291	45	5	18
		10	29	19	1012	372	246	133	108	271	210	413	272	405	480	200	137	137	197	79	290	45	178	5	18	423	385	291	45	5	18
		15	29	19	1175	372	260	159	127	354	271	524	265	451	650	200	159	159	197	79	290	45	178	5	18	514	476	304	19	10	18
		20	29	19	1221	372	260	159	127	354	271	568	276	501	685	200	182	182	197	79	290	45	178	5	18	514	476	304	19	10	18
	4	1.5	29	19	855	339	186	89	70	187	147	285	175	335	420	200	124	124	197	79	265	25	159	13	18	338	299	215	70	5	18
		2	29	19	855	339	186	89	70	187	147	285	175	335	420	200	124	124	197	79	265	25	159	13	18	338	299	215	70	5	18
015-070	2	5	29	19	959	372	224	114	95	231	190	337	218	415	480	200	137	137	197	79	290	45	178	5	18	349	311	266	64	5	18
		7.5	29	19	1012	372	246	133	108	271	210	413	271	405	480	200	137	137	197	79	290	45	178	5	18	423	385	291	45	5	18
		10	29	19	1012	372	246	133	108	271	210	413	271	405	480	200	137	137	197	79	290	45	178	5	18	423	385	291	45	5	18
		15	29	19	1175	372	260	159	127	354	271	524	264	451	650	200	159	159	197	79	290	45	178	5	18	514	476	304	19	10	18
		20	29	19	1221	372	260	159	127	354	271	568	275	501	685	200	182	182	197	79	290	45	178	5	18	514	476	304	19	10	18
	4	1.5	29	19	855	339	186	89	70	187	147	285	174	335	420	200	124	124	197	79	265	25	159	13	18	338	299	215	70	5	18
		2	29	19	855	339	186	89	70	187	147	285	174	335	420	200	124	124	197	79	265	25	159	13	18	338	299	215	70	5	18
		3	29	19	896	372	224	114	95	231	190	337	215	357	420	200	124	124	197	79	290	45	178	5	18	349	311	266	64	5	18
		5	29	19	959	372	224	114	95	231	190	337	218	415	480	200	137	137	197	79	290	45	178	5	18	349	311	266	64	5	18
015-090	2	15	39	10	1248	435	308	159	127	354	271	524	306	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		20	39	10	1294	435	308	159	127	354	271	568	317	501	685	200	182	182	222	92	325	25	203	13	18	508	470	329	45	5	18
		25	39	10	1239	392	258	178	140	385	287	578	262	515	685	200	182	182	222	92	325	25	203	13	18	565	527	354	25	13	18
		30	39	10	1239	392	258	178	140	385	287	578	262	515	685	200	182	182	222	92	325	25	203	13	18	565	527	354	25	13	18
		40	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
	4	1.5	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		3	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		5	39	-	1000	394	256	114	95	231	190	337	219	415	480	200	137	137	-	-	-	-	-	-	-	372	334	266	64	5	18
015-095	2	15	39	10	1248	435	308	159	127	354	271	524	306	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		20	39	10	1294	435	308	159	127	354	271	568	317	501	685	200	182	182	222	92	325	25	203	13	18	508	470	329	45	5	18
		25	39	10	1239	392	258	178	140	385	287	578	262	515	685	200	182	182	222	92	325	25	203	13	18	565	527	354	25	13	18
		30	39	10	1239	392	258	178	140	385	287	578	262	515	685	200	182	182	222	92	325	25	203	13	18	565	527	354	25	13	18
		40	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
	4	2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		3	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		5	39	-	1000	394	256	114	95	231	190	337	219	415	480	200	137	137	-	-	-	-	-	-	-	372	334	266	64	5	18
		7.5	39	-	1053	394	278	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	45	5	18
		10	39	-	1053	394	278	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	45	5	18
020-095	2	15	39	10	1258	446	318	159	127	354	271	524	316	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		20	39	10	1304	446	318	159	127	354	271	568	327	501	685	200	182	182	222	92	325	25	203	13	18	508	470	329	45	5	18
		25	39	10	1249	403	269	178	140	385	287	578	272	515	685	200	182	182	222	92	325	25	203	13	18	565	527	354	25	13	18
		30	39	10	1249	403	269	178	140	385	287	578	272	515	685	200	182	182	222	92	325	25	203	13	18	565	527	354	25	13	18
		40	39	13	1350	426	300	203	159	425	327	623	294	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1350	426	300	203	159	425	327	623	294	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
	4	2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		3	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		5	39	-	1000	394	256	114	95	231	190	337	219	415	480	200	137	137	-	-	-	-	-	-	-	372	334	266	64	5	18
		7.5	39	-	1053	394	278	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	45	5	18
		10	39	-	1053	394	278	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	45	5	18

Pump size	Pole	P2 [hp]				MEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
020-110	4	5	39	-	1000	394	256	114	95	231	190	337	219	415	480	200	137	137	-	-	-	-	-	-	-	372	334	266	64	5	18
		7.5	39	-	1053	394	278	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	45	5	18
		10	39	-	1053	394	278	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	45	5	18
		15	39	-	1216	394	292	159	127	354	271	524	265	451	650	200	159	159	-	-	-	-	-	-	-	514	476	304	19	10	18
		20	39	-	1262	394	292	159	127	354	271	568	276	501	685	200	182	182	-	-	-	-	-	-	-	514	476	304	19	10	18
020-135	4	7.5	65	-	1105	446	304	133	108	271	210	413	298	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	95	5	18
		10	65	-	1105	446	304	133	108	271	210	413	298	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	95	5	18
		15	65	-	1268	446	338	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
		20	65	-	1314	446	338	159	127	354	271	568	302	501	685	200	182	182	-	-	-	-	-	-	-	521	483	329	70	5	18
		25	65	-	1337	481	382	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	553	514	385	51	8	18
		30	65	-	1337	481	382	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	553	514	385	51	8	18
025-070	2	7.5	39	10	1044	394	234	133	108	271	210	413	272	405	480	200	137	137	222	92	287	19	178	10	18	423	385	291	45	5	18
		10	39	10	1044	394	234	133	108	271	210	413	272	405	480	200	137	137	222	92	287	19	178	10	18	423	385	291	45	5	18
		15	39	10	1207	394	248	159	127	354	271	524	265	451	650	200	159	159	222	92	287	19	178	10	18	514	476	304	19	10	18
		20	39	10	1253	394	248	159	127	354	271	568	276	501	685	200	182	182	222	92	287	19	178	10	18	514	476	304	19	10	18
		25	39	13	1236	392	255	178	140	385	287	578	262	515	685	200	182	182	229	95	312	45	203	5	18	565	527	354	25	13	18
		30	39	13	1236	392	255	178	140	385	287	578	262	515	685	200	182	182	229	95	312	45	203	5	18	565	527	354	25	13	18
	4	1.5	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	338	299	215	70	5	18
		2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	338	299	215	70	5	18
		3	39	10	928	394	211	114	95	231	190	337	216	357	420	200	124	124	222	92	287	19	178	10	18	372	334	266	64	5	18
		5	39	10	991	394	211	114	95	231	190	337	219	415	480	200	137	137	222	92	287	19	178	10	18	372	334	266	64	5	18
025-095	2	25	22	-	1259	403	303	178	140	385	287	578	272	515	685	200	182	182	-	-	-	-	-	-	-	565	527	354	25	13	18
		30	22	-	1259	403	303	178	140	385	287	578	272	515	685	200	182	182	-	-	-	-	-	-	-	565	527	354	25	13	18
		40	22	32	1331	426	281	203	159	425	327	623	294	557	767	200	186	186	267	114	380	25	229	13	18	597	559	393	25	13	18
		50	22	32	1331	426	281	203	159	425	327	623	294	557	767	200	186	186	267	114	380	25	229	13	18	597	559	393	25	13	18
	4	3	22	-	937	394	245	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	89	5	18
		5	22	-	1000	394	245	114	95	231	190	337	219	415	480	200	137	137	-	-	-	-	-	-	-	372	334	266	89	5	18
		7.5	22	-	1053	394	267	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
		10	22	-	1053	394	267	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
025-110	4	7.5	47	-	1105	446	292	133	108	271	210	413	298	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
		10	47	-	1105	446	292	133	108	271	210	413	298	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
		15	47	-	1268	446	325	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18
		20	47	-	1314	446	325	159	127	354	271	568	302	501	685	200	182	182	-	-	-	-	-	-	-	508	470	329	45	5	18
030-070	2	15	39	10	1207	394	248	159	127	354	271	524	265	451	650	200	159	159	222	92	287	19	178	10	18	514	476	304	19	10	18
		20	39	10	1253	394	248	159	127	354	271	568	276	501	685	200	182	182	222	92	287	19	178	10	18	514	476	304	19	10	18
		25	39	13	1235	392	255	178	140	385	287	578	262	515	685	200	182	182	229	95	312	45	203	5	18	565	527	354	25	13	18
		30	39	13	1235	392	255	178	140	385	287	578	262	515	685	200	182	182	229	95	312	45	203	5	18	565	527	354	25	13	18
		40	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	312	70	229	5	18	597	559	393	25	13	18
		50	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	312	70	229	5	18	597	559	393	25	13	18
	4	1.5	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	338	299	215	70	5	18
		2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	338	299	215	70	5	18
		3	39	10	928	394	211	114	95	231	190	337	216	357	420	200	124	124	222	92	287	19	178	10	18	372	334	266	64	5	18
		5	39	10	991	394	211	114	95	231	190	337	219	415	480	200	137	137	222	92	287	19	178	10	18	372	334	266	64	5	18
030-095	2	40	47	6	1402	471	301	203	159	425	327	623	314	557	767	200	186	186	267	114	415	25	229	13	18	597	559	393	25	13	18
		50	47	6	1402	471	301	203	159	425	327	623	314	557	767	200	186	186	267	114	415	25	229	13	18	597	559	393	25	13	18
	4	5	47	-	1046	440	263	114	95	231	190	337	239	415	480	200	137	137	-	-	-	-	-	-	-	372	334	266	89	5	18
		7.5	47	-	1099	440	285	133	108	271	210	413	292	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
		10	47	-	1099	440	285	133	108	271	210	413	292	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
		15	47	-	1262	440	319	159	127	354	271	524	285	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18
		20	47	-	1308	440	319	159	127	354	271	568	296	501	685	200	182	182	-	-	-	-	-	-	-	508	470	329	45	5	18

Pump size	Pole	P2 [hp]	L9	L10	L11	MEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
030-110	4	10	47	-	1105	446	292	133	108	271	210	413	298	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
		15	47	-	1268	446	325	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18
		20	47	-	1314	446	325	159	127	354	271	568	302	501	685	200	182	182	-	-	-	-	-	-	-	508	470	329	45	5	18
030-135	4	15	47	-	1268	446	325	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	533	495	329	95	5	18
		20	47	-	1314	446	325	159	127	354	271	568	302	501	685	200	182	182	-	-	-	-	-	-	-	533	495	329	95	5	18
		25	47	-	1337	481	370	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	565	527	385	76	8	18
		30	47	-	1337	481	370	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	565	527	385	76	8	18
		40	47	-	1442	505	405	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	47	-	1442	505	405	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
040-070	2	20	65	16	1313	461	308	159	127	354	271	568	317	501	685	200	182	182	222	92	355	25	203	13	18	508	470	329	45	5	18
		25	65	16	1258	418	258	178	140	385	287	578	262	515	685	200	182	182	222	92	355	25	203	13	18	565	527	354	25	13	18
		30	65	16	1258	418	258	178	140	385	287	578	262	515	685	200	182	182	222	92	355	25	203	13	18	565	527	354	25	13	18
		40	65	13	1365	441	289	203	159	425	327	623	284	557	767	200	186	186	229	95	380	51	229	5	18	597	559	393	25	13	18
		50	65	13	1365	441	289	203	159	425	327	623	284	557	767	200	186	186	229	95	380	51	229	5	18	597	559	393	25	13	18
	4	2	65	-	922	387	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		3	65	-	963	420	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		5	65	-	1026	420	256	114	95	231	190	337	219	415	480	200	137	137	-	-	-	-	-	-	-	372	334	266	64	5	18
		7.5	65	-	1079	420	278	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	45	5	18
		10	65	-	1079	420	278	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	45	5	18
040-095	4	7.5	60	-	1111	452	285	133	108	271	210	413	292	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	95	5	18
		10	60	-	1111	452	285	133	108	271	210	413	292	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	95	5	18
		15	60	-	1274	452	319	159	127	354	271	524	285	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
		20	60	-	1320	452	319	159	127	354	271	568	296	501	685	200	182	182	-	-	-	-	-	-	-	521	483	329	70	5	18
040-110	4	15	60	-	1281	459	325	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
		20	60	-	1327	459	325	159	127	354	271	568	302	501	685	200	182	182	-	-	-	-	-	-	-	521	483	329	70	5	18
		25	60	-	1350	494	370	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	553	514	385	51	8	18
		30	60	-	1350	494	370	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	553	514	385	51	8	18
040-135	4	20	60	-	1327	459	327	159	127	354	271	568	302	501	685	200	182	182	-	-	-	-	-	-	-	533	495	329	95	5	18
		25	60	-	1350	494	372	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	565	527	385	76	8	18
		30	60	-	1350	494	372	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	565	527	385	76	8	18
		40	60	-	1455	518	407	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	60	-	1455	518	407	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
040-150	4	50	40	-	1484	547	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
050-070	2	30	47	-	1274	418	290	178	140	385	287	578	262	515	685	200	182	182	-	-	-	-	-	-	-	565	527	354	25	13	18
		40	47	6	1372	441	270	203	159	425	327	623	284	557	767	200	186	186	267	114	380	25	229	13	18	597	559	393	25	13	18
		50	47	6	1372	441	270	203	159	425	327	623	284	557	767	200	186	186	267	114	380	25	229	13	18	597	559	393	25	13	18
	4	3	47	-	963	420	243	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	89	5	18
		5	47	-	1026	420	243	114	95	231	190	337	219	415	480	200	137	137	-	-	-	-	-	-	-	372	334	266	89	5	18
		7.5	47	-	1079	420	265	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
		10	47	-	1079	420	265	133	108	271	210	413	272	405	480	200	137	137	-	-	-	-	-	-	-	423	385	291	70	5	18
050-095	4	10	60	-	1163	504	337	133	108	271	210	413	343	405	480	200	137	137	-	-	-	-	-	-	-	445	406	291	121	5	18
		15	60	-	1326	504	370	159	127	354	271	524	336	451	650	200	159	159	-	-	-	-	-	-	-	533	495	329	95	5	18
		20	60	-	1372	504	370	159	127	354	271	568	347	501	685	200	182	182	-	-	-	-	-	-	-	533	495	329	95	5	18
		25	60	-	1373	517	393	178	140	385	287	578	348	515	685	200	182	182	-	-	-	-	-	-	-	565	527	385	76	8	18
		30	60	-	1373	517	393	178	140	385	287	578	348	515	685	200	182	182	-	-	-	-	-	-	-	565	527	385	76	8	18
050-110	4	20	60	-	1327	459	325	159	127	354	271	568	302	501	685	200	182	182	-	-	-	-	-	-	-	533	495	329	95	5	18
		25	60	-	1350	494	370	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	565	527	385	76	8	18
		30	60	-	1350	494	370	178	140	385	287	578	325	515	685	200	182	182	-	-	-	-	-	-	-	565	527	385	76	8	18
		40	60	-	1455	518	405	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	60	-	1455	518	405	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18

Pump size	Pole	P2 [hp]				MEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
050-135	4	25	40	-	1386	530	391	178	140	385	287	578	361	515	685	200	182	182	-	-	-	-	-	-	-	578	540	385	102	8	18
		30	40	-	1386	530	391	178	140	385	287	578	361	515	685	200	182	182	-	-	-	-	-	-	-	578	540	385	102	8	18
		40	40	-	1484	547	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	40	-	1484	547	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
060-095	4	20	59	-	1391	523	355	159	127	354	271	568	347	501	685	200	182	182	-	-	-	-	-	-	-	546	508	329	121	5	18
		25	59	-	1392	536	378	178	140	385	287	578	348	515	685	200	182	182	-	-	-	-	-	-	-	578	540	385	102	8	18
		30	59	-	1392	536	378	178	140	385	287	578	348	515	685	200	182	182	-	-	-	-	-	-	-	578	540	385	102	8	18
		40	59	-	1489	552	405	203	159	425	327	623	363	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	59	-	1489	552	405	203	159	425	327	623	363	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
060-110	4	30	59	-	1405	549	391	178	140	385	287	578	361	515	685	200	182	182	-	-	-	-	-	-	-	578	540	385	102	8	18
		40	59	-	1503	566	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	59	-	1503	566	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
080-135	4	60	59	-	1562	566	435	229	178	471	395	776	436	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	121	8	18

Dimensions for NBSE with integrated CUE (460V), mounting design B & C

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]				WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
015-090	2	40	1.5	0.5	49.9	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	49.9	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
015-095	2	40	1.5	0.5	49.9	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	49.9	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
020-095	2	40	1.5	0.5	50.4	16.8	11.8	8.0	6.3	16.7	12.9	24.5	12.0	20.9	27.0	7.9	7.2	7.2	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	50.4	16.8	11.8	8.0	6.3	16.7	12.9	24.5	12.0	20.9	27.0	7.9	7.2	7.2	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		60	1.5	0.5	50.8	16.8	12.3	9.0	7.0	18.5	15.6	30.5	12.4	22.1	27.0	7.9	7.2	7.2	9.0	3.8	13.8	3.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		75	1.5	0.5	50.8	16.8	12.3	9.0	7.0	18.5	15.6	30.5	12.4	22.1	27.0	7.9	7.2	7.2	9.0	3.8	13.8	3.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		40	0.9	1.3	49.6	16.8	11.1	8.0	6.3	16.7	12.9	24.5	12.0	20.9	27.0	7.9	7.2	7.2	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	0.9	1.3	49.6	16.8	11.1	8.0	6.3	16.7	12.9	24.5	12.0	20.9	27.0	7.9	7.2	7.2	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		60	0.9	1.3	50.0	16.8	11.6	9.0	7.0	18.5	15.6	30.5	12.4	22.1	27.0	7.9	7.2	7.2	10.5	4.5	15.9	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		75	0.9	1.3	50.0	16.8	11.6	9.0	7.0	18.5	15.6	30.5	12.4	22.1	27.0	7.9	7.2	7.2	10.5	4.5	15.9	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
030-070	2	40	1.5	0.5	49.9	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	9.0	3.8	12.3	2.8	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	49.9	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	9.0	3.8	12.3	2.8	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
030-095	2	40	1.9	0.3	52.4	18.5	11.8	8.0	6.3	16.7	12.9	24.5	12.8	20.9	27.0	7.9	7.2	7.2	10.5	4.5	16.3	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.9	0.3	52.4	18.5	11.8	8.0	6.3	16.7	12.9	24.5	12.8	20.9	27.0	7.9	7.2	7.2	10.5	4.5	16.3	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		60	1.9	0.3	52.8	18.5	12.3	9.0	7.0	18.5	15.6	30.5	13.2	22.1	27.0	7.9	7.2	7.2	10.5	4.5	17.3	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		75	1.9	0.3	52.8	18.5	12.3	9.0	7.0	18.5	15.6	30.5	13.2	22.1	27.0	7.9	7.2	7.2	10.5	4.5	17.3	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
030-135	4	40	1.9	-	54.0	19.9	15.9	8.0	6.3	16.7	12.9	24.5	14.1	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	1.9	-	54.0	19.9	15.9	8.0	6.3	16.7	12.9	24.5	14.1	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
040-070	2	40	2.5	0.5	50.9	17.3	11.4	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	9.0	3.8	15.0	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	2.5	0.5	50.9	17.3	11.4	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	9.0	3.8	15.0	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
040-095	2	75	2.4	0.3	53.3	19.0	12.3	9.0	7.0	18.5	15.6	30.5	13.2	22.1	27.0	7.9	7.2	7.2	10.5	4.5	16.3	1.0	10.0	0.5	0.7	24.5	23.0	17.0	1.0	0.5	0.7
040-135	4	40	2.4	-	54.5	20.4	16.0	8.0	6.3	16.7	12.9	24.5	14.1	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	2.4	-	54.5	20.4	16.0	8.0	6.3	16.7	12.9	24.5	14.1	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
040-150	4	50	1.6	-	55.6	21.5	16.5	8.0	6.3	16.7	12.9	24.5	15.3	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		60	1.6	-	56.1	21.5	17.1	9.0	7.0	18.5	15.6	30.5	15.7	22.1	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
		75	1.6	-	60.2	21.5	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
050-070	2	40	1.9	0.3	51.2	17.3	10.6	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.9	0.3	51.2	17.3	10.6	8.0	6.3	16.7	12.9	24.5	11.6	20.9	27.0	7.9	7.2	7.2	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		60	1.9	0.3	51.6	17.3	11.1	9.0	7.0	18.5	15.6	30.5	12.0	22.1	27.0	7.9	7.2	7.2	10.5	4.5	15.9	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		75	1.9	0.3	51.6	17.3	11.1	9.0	7.0	18.5	15.6	30.5	12.0	22.1	27.0	7.9	7.2	7.2	10.5	4.5	15.9	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
050-110	4	40	2.4	-	54.5	20.4	15.9	8.0	6.3	16.7	12.9	24.5	14.1	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	2.4	-	54.5	20.4	15.9	8.0	6.3	16.7	12.9	24.5	14.1	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
050-135	4	40	1.6	-	55.6	21.5	16.5	8.0	6.3	16.7	12.9	24.5	15.3	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	1.6	-	55.6	21.5	16.5	8.0	6.3	16.7	12.9	24.5	15.3	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		60	1.6	-	56.1	21.5	17.1	9.0	7.0	18.5	15.6	30.5	15.7	22.1	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
		75	1.6	-	60.2	21.5	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
060-095	4	40	2.3	-	55.8	21.7	15.9	8.0	6.3	16.7	12.9	24.5	14.7	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	2.3	-	55.8	21.7	15.9	8.0	6.3	16.7	12.9	24.5	14.7	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
060-110	4	40	2.3	-	56.4	22.3	16.5	8.0	6.3	16.7	12.9	24.5	15.3	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	2.3	-	56.4	22.3	16.5	8.0	6.3	16.7	12.9	24.5	15.3	20.9	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		60	2.3	-	56.8	22.3	17.1	9.0	7.0	18.5	15.6	30.5	15.7	22.1	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
		75	2.3	-	60.9	22.3	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
080-135	4	60	2.3	-	57.3	22.3	17.1	9.0	7.0	18.5	15.6	30.5	16.3	22.1	27.0	7.9	7.2	7.2	-	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3	0.7
		75	2.3	-	61.5	22.3	17.1	9.0	7.0	18.5	15.6	30.5	17.2	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3	0.7

Dimensions in mm.

Pump size	Pole	P2 [hp]	L9	L10	L11	MEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
015-090	2	40	39	13	1268	415	289	203	159	425	327	623	295	532	685	200	182	182	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1268	415	289	203	159	425	327	623	295	532	685	200	182	182	229	95	350	51	229	5	18	597	559	393	25	13	18
015-095	2	40	39	13	1268	415	289	203	159	425	327	623	295	532	685	200	182	182	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1268	415	289	203	159	425	327	623	295	532	685	200	182	182	229	95	350	51	229	5	18	597	559	393	25	13	18
020-095	2	40	39	13	1279	426	300	203	159	425	327	623	305	532	685	200	182	182	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1279	426	300	203	159	425	327	623	305	532	685	200	182	182	229	95	350	51	229	5	18	597	559	393	25	13	18
		60	39	13	1290	426	312	229	178	471	395	776	316	562	685	200	182	182	229	95	350	76	254	5	18	622	584	431	25	13	18
		75	39	13	1290	426	312	229	178	471	395	776	316	562	685	200	182	182	229	95	350	76	254	5	18	622	584	431	25	13	18
		40	22	32	1260	426	281	203	159	425	327	623	305	532	685	200	182	182	267	114	380	25	229	13	18	597	559	393	25	13	18
		50	22	32	1260	426	281	203	159	425	327	623	305	532	685	200	182	182	267	114	380	25	229	13	18	597	559	393	25	13	18
		60	22	32	1271	426	293	229	178	471	395	776	316	562	685	200	182	182	267	114	405	51	254	5	18	622	584	431	25	13	18
		75	22	32	1271	426	293	229	178	471	395	776	316	562	685	200	182	182	267	114	405	51	254	5	18	622	584	431	25	13	18
030-070	2	40	39	13	1268	415	289	203	159	425	327	623	295	532	685	200	182	182	229	95	312	70	229	5	18	597	559	393	25	13	18
		50	39	13	1268	415	289	203	159	425	327	623	295	532	685	200	182	182	229	95	312	70	229	5	18	597	559	393	25	13	18
030-095	2	40	47	6	1331	471	301	203	159	425	327	623	325	532	685	200	182	182	267	114	415	25	229	13	18	597	559	393	25	13	18
		50	47	6	1331	471	301	203	159	425	327	623	325	532	685	200	182	182	267	114	415	25	229	13	18	597	559	393	25	13	18
		60	47	6	1342	471	313	229	178	471	395	776	336	562	685	200	182	182	267	114	440	51	254	5	18	622	584	431	25	13	18
		75	47	6	1342	471	313	229	178	471	395	776	336	562	685	200	182	182	267	114	440	51	254	5	18	622	584	431	25	13	18
030-135	4	40	47	-	1371	505	405	203	159	425	327	623	359	532	685	200	182	182	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	47	-	1371	505	405	203	159	425	327	623	359	532	685	200	182	182	-	-	-	-	-	-	-	591	553	424	51	8	18
040-070	2	40	65	13	1294	441	289	203	159	425	327	623	295	532	685	200	182	182	229	95	380	51	229	5	18	597	559	393	25	13	18
		50	65	13	1294	441	289	203	159	425	327	623	295	532	685	200	182	182	229	95	380	51	229	5	18	597	559	393	25	13	18
040-095	2	75	60	6	1354	484	313	229	178	471	395	776	336	562	685	200	182	182	267	114	415	25	254	13	18	622	584	431	25	13	18
040-135	4	40	60	-	1384	518	407	203	159	425	327	623	359	532	685	200	182	182	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	60	-	1384	518	407	203	159	425	327	623	359	532	685	200	182	182	-	-	-	-	-	-	-	591	553	424	51	8	18
040-150	4	50	40	-	1413	547	419	203	159	425	327	623	388	532	685	200	182	182	-	-	-	-	-	-	-	616	578	424	76	8	18
		60	40	-	1424	547	435	229	178	471	395	776	399	562	685	200	182	182	-	-	-	-	-	-	-	622	584	462	51	8	18
		75	40	-	1529	547	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
050-070	2	40	47	6	1301	441	270	203	159	425	327	623	295	532	685	200	182	182	267	114	380	25	229	13	18	597	559	393	25	13	18
		50	47	6	1301	441	270	203	159	425	327	623	295	532	685	200	182	182	267	114	380	25	229	13	18	597	559	393	25	13	18
		60	47	6	1312	441	283	229	178	471	395	776	306	562	685	200	182	182	267	114	405	51	254	5	18	622	584	431	25	13	18
		75	47	6	1312	441	283	229	178	471	395	776	306	562	685	200	182	182	267	114	405	51	254	5	18	622	584	431	25	13	18
050-110	4	40	60	-	1384	518	405	203	159	425	327	623	359	532	685	200	182	182	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	60	-	1384	518	405	203	159	425	327	623	359	532	685	200	182	182	-	-	-	-	-	-	-	591	553	424	51	8	18

Pump size	Pole	P2 [hp]				MEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
050-135	4	40	40	-	1413	547	419	203	159	425	327	623	388	532	685	200	182	182	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	40	-	1413	547	419	203	159	425	327	623	388	532	685	200	182	182	-	-	-	-	-	-	-	616	578	424	76	8	18
		60	40	-	1424	547	435	229	178	471	395	776	399	562	685	200	182	182	-	-	-	-	-	-	-	622	584	462	51	8	18
		75	40	-	1529	547	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
060-095	4	40	59	-	1418	552	405	203	159	425	327	623	374	532	685	200	182	182	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	59	-	1418	552	405	203	159	425	327	623	374	532	685	200	182	182	-	-	-	-	-	-	-	616	578	424	76	8	18
060-110	4	40	59	-	1432	566	419	203	159	425	327	623	388	532	685	200	182	182	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	59	-	1432	566	419	203	159	425	327	623	388	532	685	200	182	182	-	-	-	-	-	-	-	616	578	424	76	8	18
		60	59	-	1443	566	435	229	178	471	395	776	399	562	685	200	182	182	-	-	-	-	-	-	-	622	584	462	51	8	18
		75	59	-	1548	566	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
080-135	4	60	59	-	1457	566	435	229	178	471	395	776	413	562	685	200	182	182	-	-	-	-	-	-	-	622	584	462	121	8	18
		75	59	-	1562	566	435	229	178	471	395	776	436	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	121	8	18

Dimensions for NBSE with integrated CUE (575V), mounting design B & C

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	WEG PM motor											Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
012-070	2	3	1.2	0.8	35.3	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
		5	1.2	0.8	35.3	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
		7.5	1.2	0.8	38.0	14.6	9.7	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.2	0.8	38.0	14.6	9.7	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		15	1.2	0.8	46.3	14.6	10.2	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	7.8	3.1	11.4	1.8	7.0	0.2	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.2	0.8	46.3	14.6	10.2	6.3	5.0	13.9	10.7	22.4	10.4	17.8	25.6	7.9	6.3	6.3	7.8	3.1	11.4	1.8	7.0	0.2	0.7	20.3	18.8	12.0	0.8	0.4	0.7
	4	1.5	1.2	0.8	33.7	13.3	7.3	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	7.8	3.1	10.4	1.0	6.3	0.5	0.7	13.3	11.8	8.5	2.8	0.2	0.7
		2	1.2	0.8	33.7	13.3	7.3	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	7.8	3.1	10.4	1.0	6.3	0.5	0.7	13.3	11.8	8.5	2.8	0.2	0.7
015-070	2	5	1.2	0.8	35.3	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
		7.5	1.2	0.8	38.0	14.6	9.7	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.2	0.8	38.0	14.6	9.7	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		15	1.2	0.8	46.3	14.6	10.2	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	7.8	3.1	11.4	1.8	7.0	0.2	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.2	0.8	46.3	14.6	10.2	6.3	5.0	13.9	10.7	22.4	10.4	17.8	25.6	7.9	6.3	6.3	7.8	3.1	11.4	1.8	7.0	0.2	0.7	20.3	18.8	12.0	0.8	0.4	0.7
	4	1.5	1.2	0.8	33.7	13.3	7.3	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	7.8	3.1	10.4	1.0	6.3	0.5	0.7	13.3	11.8	8.5	2.8	0.2	0.7
		2	1.2	0.8	33.7	13.3	7.3	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	7.8	3.1	10.4	1.0	6.3	0.5	0.7	13.3	11.8	8.5	2.8	0.2	0.7
		3	1.2	0.8	35.3	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
		5	1.2	0.8	35.3	14.6	8.8	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	7.8	3.1	11.4	1.8	7.0	0.2	0.7	13.8	12.3	10.5	2.5	0.2	0.7
015-090	2	15	1.5	0.4	49.1	17.1	12.1	6.3	5.0	13.9	10.7	20.6	12.0	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.5	0.4	49.1	17.1	12.1	6.3	5.0	13.9	10.7	22.4	12.0	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		25	1.5	0.4	47.4	15.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.4	47.4	15.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	1.5	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		3	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
015-095	2	15	1.5	0.4	49.1	17.1	12.1	6.3	5.0	13.9	10.7	20.6	12.0	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.5	0.4	49.1	17.1	12.1	6.3	5.0	13.9	10.7	22.4	12.0	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		25	1.5	0.4	47.4	15.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.4	47.4	15.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		3	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		7.5	1.5	-	39.6	15.5	10.9	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.5	-	39.6	15.5	10.9	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7

Pump size	Pole	P2 [hp]				WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
			L9	L10	L11	LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
020-095	2	15	1.5	0.4	49.5	17.5	12.5	6.3	5.0	13.9	10.7	20.6	12.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.5	0.4	49.5	17.5	12.5	6.3	5.0	13.9	10.7	22.4	12.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		25	1.5	0.4	47.8	15.9	10.6	7.0	5.5	15.1	11.3	22.8	10.7	18.3	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.4	47.8	15.9	10.6	7.0	5.5	15.1	11.3	22.8	10.7	18.3	25.6	7.9	6.3	6.3	8.8	3.6	12.8	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.5	0.5	53.1	16.8	11.8	8.0	6.3	16.7	12.9	24.5	11.6	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	53.1	16.8	11.8	8.0	6.3	16.7	12.9	24.5	11.6	21.9	30.2	7.9	7.3	7.3	9.0	3.8	13.8	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		60	1.5	0.5	54.9	16.8	12.3	9.0	7.0	18.5	15.6	30.5	13.3	23.1	30.2	7.9	7.3	7.3	9.0	3.8	13.8	3.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		75	1.5	0.5	54.9	16.8	12.3	9.0	7.0	18.5	15.6	30.5	13.3	23.1	30.2	7.9	7.3	7.3	9.0	3.8	13.8	3.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
	4	2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		3	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		7.5	1.5	-	39.6	15.5	10.9	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.5	-	39.6	15.5	10.9	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
020-110	4	5	1.5	-	36.9	15.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		7.5	1.5	-	39.6	15.5	10.9	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.5	-	39.6	15.5	10.9	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		15	1.5	-	47.9	15.5	11.5	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.5	-	47.9	15.5	11.5	6.3	5.0	13.9	10.7	22.4	10.4	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.3	18.8	12.0	0.8	0.4	0.7
020-135	4	7.5	2.5	-	41.7	17.6	12.0	5.3	4.3	10.7	8.3	16.3	12.3	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2	0.7
		10	2.5	-	41.7	17.6	12.0	5.3	4.3	10.7	8.3	16.3	12.3	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2	0.7
		15	2.5	-	49.9	17.6	13.3	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		20	2.5	-	49.9	17.6	13.3	6.3	5.0	13.9	10.7	22.4	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		25	2.5	-	51.3	18.9	15.1	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3	0.7
		30	2.5	-	51.3	18.9	15.1	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3	0.7
025-070	2	7.5	1.5	0.4	39.3	15.5	9.2	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	8.8	3.6	11.3	0.8	7.0	0.4	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		10	1.5	0.4	39.3	15.5	9.2	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	8.8	3.6	11.3	0.8	7.0	0.4	0.7	16.7	15.2	11.5	1.8	0.2	0.7
		15	1.5	0.4	47.5	15.5	9.8	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	11.3	0.8	7.0	0.4	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.5	0.4	47.5	15.5	9.8	6.3	5.0	13.9	10.7	22.4	10.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	11.3	0.8	7.0	0.4	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		25	1.5	0.5	47.3	15.4	10.0	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	9.0	3.8	12.3	1.8	8.0	0.2	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.5	47.3	15.4	10.0	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	9.0	3.8	12.3	1.8	8.0	0.2	0.7	22.3	20.8	14.0	1.0	0.5	0.7
	4	1.5	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2	0.7
		2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2	0.7
		3	1.5	0.4	36.5	15.5	8.3	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	8.8	3.6	11.3	0.8	7.0	0.4	0.7	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	0.4	36.5	15.5	8.3	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	8.8	3.6	11.3	0.8	7.0	0.4	0.7	14.7	13.2	10.5	2.5	0.2	0.7
025-095	2	25	0.9	-	48.2	15.9	11.9	7.0	5.5	15.1	11.3	22.8	10.7	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5	0.7
		30	0.9	-	48.2	15.9	11.9	7.0	5.5	15.1	11.3	22.8	10.7	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5	0.7
		40	0.9	1.3	52.4	16.8	11.1	8.0	6.3	16.7	12.9	24.5	11.6	21.9	30.2	7.9	7.3	7.3	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	0.9	1.3	52.4	16.8	11.1	8.0	6.3	16.7	12.9	24.5	11.6	21.9	30.2	7.9	7.3	7.3	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		60	0.9	1.3	54.2	16.8	11.6	9.0	7.0	18.5	15.6	30.5	13.3	23.1	30.2	7.9	7.3	7.3	10.5	4.5	15.9	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		75	0.9	1.3	54.2	16.8	11.6	9.0	7.0	18.5	15.6	30.5	13.3	23.1	30.2	7.9	7.3	7.3	10.5	4.5	15.9	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
	4	3	0.9	-	36.9	15.5	9.6	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		5	0.9	-	36.9	15.5	9.6	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		7.5	0.9	-	39.6	15.5	10.5	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		10	0.9	-	39.6	15.5	10.5	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
025-110	4	7.5	1.9	-	41.7	17.6	11.5	5.3	4.3	10.7	8.3	16.3	12.3	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		10	1.9	-	41.7	17.6	11.5	5.3	4.3	10.7	8.3	16.3	12.3	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		15	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	22.4	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
030-070	2	15	1.5	0.4	47.5	15.5	9.7	6.3	5.0	13.9	10.7	20.6	10.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	11.3	0.8	7.0	0.4	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		20	1.5	0.4	47.5	15.5	9.7	6.3	5.0	13.9	10.7	22.4	10.4	17.8	25.6	7.9	6.3	6.3	8.8	3.6	11.3	0.8	7.0	0.4	0.7	20.3	18.8	12.0	0.8	0.4	0.7
		25	1.5	0.5	47.3	15.4	10.0	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	9.0	3.8	12.3	1.8	8.0	0.2	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	1.5	0.5	47.3	15.4	10.0	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	9.0	3.8	12.3	1.8	8.0	0.2	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	12.3	2.8	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.5	0.5	52.7	16.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	12.3	2.8	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	1.5	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2	0.7
		2	1.5	-	35.3	14.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2	0.7
		3	1.5	0.4	36.5	15.5	8.3	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	8.8	3.6	11.3	0.8	7.0	0.4	0.7	14.7	13.2	10.5	2.5	0.2	0.7
		5	1.5	0.4	36.5	15.5	8.3	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	8.8	3.6	11.3	0.8	7.0	0.4	0.7	14.7	13.2	10.5	2.5	0.2	0.7
030-095	2	40	1.9	0.3	55.2	18.5	11.8	8.0	6.3	16.7	12.9	24.5	12.4	21.9	30.2	7.9	7.3	7.3	10.5	4.5	16.3	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.9	0.3	55.2	18.5	11.8	8.0	6.3	16.7	12.9	24.5	12.4	21.9	30.2	7.9	7.3	7.3	10.5	4.5	16.3	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		60	1.9	0.3	57.0	18.5	12.3	9.0	7.0	18.5	15.6	30.5	14.1	23.1	30.2	7.9	7.3	7.3	10.5	4.5	17.3	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		75	1.9	0.3	57.0	18.5	12.3	9.0	7.0	18.5	15.6	30.5	14.1	23.1	30.2	7.9	7.3	7.3	10.5	4.5	17.3	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
	4	5	1.9	-	38.7	17.3	10.4	4.5	3.8	9.1	7.5	13.3	9.3	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		7.5	1.9	-	41.4	17.3	11.2	5.3	4.3	10.7	8.3	16.3	12.0	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		10	1.9	-	41.4	17.3	11.2	5.3	4.3	10.7	8.3	16.3	12.0	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		15	1.9	-	49.7	17.3	12.5	6.3	5.0	13.9	10.7	20.6	11.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.9	-	49.7	17.3	12.5	6.3	5.0	13.9	10.7	22.4	11.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
030-110	4	10	1.9	-	41.7	17.6	11.5	5.3	4.3	10.7	8.3	16.3	12.3	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		15	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
		20	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	22.4	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2	0.7
030-135	4	15	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		20	1.9	-	49.9	17.6	12.8	6.3	5.0	13.9	10.7	22.4	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		25	1.9	-	51.3	18.9	14.6	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		30	1.9	-	51.3	18.9	14.6	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		40	1.9	-	56.8	19.9	15.9	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	1.9	-	56.8	19.9	15.9	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
040-070	2	20	2.5	0.6	49.9	18.1	12.1	6.3	5.0	13.9	10.7	22.4	12.0	17.8	25.6	7.9	6.3	6.3	8.8	3.6	14.0	1.0	8.0	0.5	0.7	20.0	18.5	13.0	1.8	0.2	0.7
		25	2.5	0.6	48.1	16.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	8.8	3.6	14.0	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		30	2.5	0.6	48.1	16.4	10.2	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	8.8	3.6	14.0	1.0	8.0	0.5	0.7	22.3	20.8	14.0	1.0	0.5	0.7
		40	2.5	0.5	53.7	17.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	15.0	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	2.5	0.5	53.7	17.3	11.4	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	9.0	3.8	15.0	2.0	9.0	0.2	0.7	23.5	22.0	15.5	1.0	0.5	0.7
	4	2	2.5	-	36.3	15.2	8.6	3.5	2.8	7.4	5.8	11.2	6.9	13.2	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2	0.7
		3	2.5	-	37.9	16.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		5	2.5	-	37.9	16.5	10.1	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2	0.7
		7.5	2.5	-	40.6	16.5	10.9	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
		10	2.5	-	40.6	16.5	10.9	5.3	4.3	10.7	8.3	16.3	11.2	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2	0.7
040-095	2	75	2.4	0.3	57.5	19.0	12.3	9.0	7.0	18.5	15.6	30.5	14.1	23.1	30.2	7.9	7.3	7.3	10.5	4.5	16.3	1.0	10.0	0.5	0.7	24.5	23.0	17.0	1.0	0.5	0.7
	4	7.5	2.4	-	41.9	17.8	11.2	5.3	4.3	10.7	8.3	16.3	12.0	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2	0.7
		10	2.4	-	41.9	17.8	11.2	5.3	4.3	10.7	8.3	16.3	12.0	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2	0.7
		15	2.4	-	50.2	17.8	12.5	6.3	5.0	13.9	10.7	20.6	11.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		20	2.4	-	50.2	17.8	12.5	6.3	5.0	13.9	10.7	22.4	11.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
040-110	4	15	2.4	-	50.4	18.1	12.8	6.3	5.0	13.9	10.7	20.6	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		20	2.4	-	50.4	18.1	12.8	6.3	5.0	13.9	10.7	22.4	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2	0.7
		25	2.4	-	51.8	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3	0.7
		30	2.4	-	51.8	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3	0.7
040-135	4	20	2.4	-	50.4	18.1	12.9	6.3	5.0	13.9	10.7	22.4	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		25	2.4	-	51.8	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		30	2.4	-	51.8	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		40	2.4	-	57.3	20.4	16.0	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	2.4	-	57.3	20.4	16.0	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
040-150	4	50	1.6	-	58.4	21.5	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		60	1.6	-	60.2	21.5	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
		75	1.6	-	60.2	21.5	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
050-070	2	30	1.9	-	48.8	16.4	11.4	7.0	5.5	15.1	11.3	22.8	10.3	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5	0.7
		40	1.9	0.3	54.0	17.3	10.6	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		50	1.9	0.3	54.0	17.3	10.6	8.0	6.3	16.7	12.9	24.5	11.2	21.9	30.2	7.9	7.3	7.3	10.5	4.5	15.0	1.0	9.0	0.5	0.7	23.5	22.0	15.5	1.0	0.5	0.7
		60	1.9	0.3	55.8	17.3	11.1	9.0	7.0	18.5	15.6	30.5	13.0	23.1	30.2	7.9	7.3	7.3	10.5	4.5	15.9	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
		75	1.9	0.3	55.8	17.3	11.1	9.0	7.0	18.5	15.6	30.5	13.0	23.1	30.2	7.9	7.3	7.3	10.5	4.5	15.9	2.0	10.0	0.2	0.7	24.5	23.0	17.0	1.0	0.5	0.7
	4	3	1.9	-	37.9	16.5	9.6	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		5	1.9	-	37.9	16.5	9.6	4.5	3.8	9.1	7.5	13.3	8.5	14.1	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2	0.7
		7.5	1.9	-	40.7	16.5	10.5	5.3	4.3	10.7	8.3	16.3	11.3	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
		10	1.9	-	40.7	16.5	10.5	5.3	4.3	10.7	8.3	16.3	11.3	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2	0.7
050-095	4	10	2.4	-	44.0	19.8	13.3	5.3	4.3	10.7	8.3	16.3	14.1	13.7	16.5	7.9	4.9	4.9	-	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2	0.7
		15	2.4	-	52.2	19.8	14.6	6.3	5.0	13.9	10.7	20.6	13.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		20	2.4	-	52.2	19.8	14.6	6.3	5.0	13.9	10.7	22.4	13.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		25	2.4	-	52.7	20.3	15.5	7.0	5.5	15.1	11.3	22.8	13.7	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		30	2.4	-	52.7	20.3	15.5	7.0	5.5	15.1	11.3	22.8	13.7	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
050-110	4	20	2.4	-	50.4	18.1	12.8	6.3	5.0	13.9	10.7	22.4	11.5	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2	0.7
		25	2.4	-	51.8	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		30	2.4	-	51.8	19.4	14.6	7.0	5.5	15.1	11.3	22.8	12.8	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3	0.7
		40	2.4	-	57.3	20.4	15.9	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
		50	2.4	-	57.3	20.4	15.9	8.0	6.3	16.7	12.9	24.5	13.7	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3	0.7
050-135	4	25	1.6	-	53.2	20.9	15.4	7.0	5.5	15.1	11.3	22.8	14.2	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		30	1.6	-	53.2	20.9	15.4	7.0	5.5	15.1	11.3	22.8	14.2	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		40	1.6	-	58.4	21.5	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	1.6	-	58.4	21.5	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		60	1.6	-	60.2	21.5	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
		75	1.6	-	60.2	21.5	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
060-095	4	20	2.3	-	52.9	20.6	14.0	6.3	5.0	13.9	10.7	22.4	13.2	17.8	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2	0.7
		25	2.3	-	53.4	21.1	14.9	7.0	5.5	15.1	11.3	22.8	13.7	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		30	2.3	-	53.4	21.1	14.9	7.0	5.5	15.1	11.3	22.8	13.7	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		40	2.3	-	58.6	21.7	15.9	8.0	6.3	16.7	12.9	24.5	14.3	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	2.3	-	58.6	21.7	15.9	8.0	6.3	16.7	12.9	24.5	14.3	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
060-110	4	30	2.3	-	53.9	21.6	15.4	7.0	5.5	15.1	11.3	22.8	14.2	18.3	25.6	7.9	6.3	6.3	-	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3	0.7
		40	2.3	-	59.2	22.3	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		50	2.3	-	59.2	22.3	16.5	8.0	6.3	16.7	12.9	24.5	14.8	21.9	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3	0.7
		60	2.3	-	60.9	22.3	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
		75	2.3	-	60.9	22.3	17.1	9.0	7.0	18.5	15.6	30.5	16.6	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3	0.7
080-135	4	60	2.3	-	61.5	22.3	17.1	9.0	7.0	18.5	15.6	30.5	17.2	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3	0.7
		75	2.3	-	61.5	22.3	17.1	9.0	7.0	18.5	15.6	30.5	17.2	23.1	30.2	7.9	7.3	7.3	-	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3	0.7

Dimensions in mm.

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
012-070	2	3	29	19	896	372	224	114	95	231	190	337	216	357	420	200	124	124	197	79	290	45	178	5	18	349	311	266	64	5	18
		5	29	19	896	372	224	114	95	231	190	337	216	357	420	200	124	124	197	79	290	45	178	5	18	349	311	266	64	5	18
		7.5	29	19	966	372	246	133	108	271	210	413	286	347	420	200	124	124	197	79	290	45	178	5	18	423	385	291	45	5	18
		10	29	19	966	372	246	133	108	271	210	413	286	347	420	200	124	124	197	79	290	45	178	5	18	423	385	291	45	5	18
		15	29	19	1175	372	260	159	127	354	271	524	265	451	650	200	159	159	197	79	290	45	178	5	18	514	476	304	19	10	18
		20	29	19	1175	372	260	159	127	354	271	568	265	451	650	200	159	159	197	79	290	45	178	5	18	514	476	304	19	10	18
	4	1.5	29	19	855	339	186	89	70	187	147	285	175	335	420	200	124	124	197	79	265	25	159	13	18	338	299	215	70	5	18
		2	29	19	855	339	186	89	70	187	147	285	175	335	420	200	124	124	197	79	265	25	159	13	18	338	299	215	70	5	18
015-070	2	5	29	19	896	372	224	114	95	231	190	337	215	357	420	200	124	124	197	79	290	45	178	5	18	349	311	266	64	5	18
		7.5	29	19	966	372	246	133	108	271	210	413	285	347	420	200	124	124	197	79	290	45	178	5	18	423	385	291	45	5	18
		10	29	19	966	372	246	133	108	271	210	413	285	347	420	200	124	124	197	79	290	45	178	5	18	423	385	291	45	5	18
		15	29	19	1175	372	260	159	127	354	271	524	264	451	650	200	159	159	197	79	290	45	178	5	18	514	476	304	19	10	18
		20	29	19	1175	372	260	159	127	354	271	568	264	451	650	200	159	159	197	79	290	45	178	5	18	514	476	304	19	10	18
	4	1.5	29	19	855	339	186	89	70	187	147	285	174	335	420	200	124	124	197	79	265	25	159	13	18	338	299	215	70	5	18
		2	29	19	855	339	186	89	70	187	147	285	174	335	420	200	124	124	197	79	265	25	159	13	18	338	299	215	70	5	18
		3	29	19	896	372	224	114	95	231	190	337	215	357	420	200	124	124	197	79	290	45	178	5	18	349	311	266	64	5	18
		5	29	19	896	372	224	114	95	231	190	337	215	357	420	200	124	124	197	79	290	45	178	5	18	349	311	266	64	5	18
015-090	2	15	39	10	1248	435	308	159	127	354	271	524	306	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		20	39	10	1248	435	308	159	127	354	271	568	306	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		25	39	10	1204	392	258	178	140	385	287	578	262	465	650	200	159	159	222	92	325	25	203	13	18	565	527	354	25	13	18
		30	39	10	1204	392	258	178	140	385	287	578	262	465	650	200	159	159	222	92	325	25	203	13	18	565	527	354	25	13	18
		40	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
	4	1.5	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		3	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		5	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
015-095	2	15	39	10	1248	435	308	159	127	354	271	524	306	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		20	39	10	1248	435	308	159	127	354	271	568	306	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		25	39	10	1204	392	258	178	140	385	287	578	262	465	650	200	159	159	222	92	325	25	203	13	18	565	527	354	25	13	18
		30	39	10	1204	392	258	178	140	385	287	578	262	465	650	200	159	159	222	92	325	25	203	13	18	565	527	354	25	13	18
		40	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
	4	2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		3	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		5	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		7.5	39	-	1007	394	278	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	45	5	18
		10	39	-	1007	394	278	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	45	5	18

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
020-095	2	15	39	10	1258	446	318	159	127	354	271	524	316	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		20	39	10	1258	446	318	159	127	354	271	568	316	451	650	200	159	159	222	92	325	25	203	13	18	508	470	329	45	5	18
		25	39	10	1214	403	269	178	140	385	287	578	272	465	650	200	159	159	222	92	325	25	203	13	18	565	527	354	25	13	18
		30	39	10	1214	403	269	178	140	385	287	578	272	465	650	200	159	159	222	92	325	25	203	13	18	565	527	354	25	13	18
		40	39	13	1350	426	300	203	159	425	327	623	294	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
		50	39	13	1350	426	300	203	159	425	327	623	294	557	767	200	186	186	229	95	350	51	229	5	18	597	559	393	25	13	18
		60	39	13	1395	426	312	229	178	471	395	776	339	587	767	200	186	186	229	95	350	76	254	5	18	622	584	431	25	13	18
		75	39	13	1395	426	312	229	178	471	395	776	339	587	767	200	186	186	229	95	350	76	254	5	18	622	584	431	25	13	18
	4	2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		3	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		5	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		7.5	39	-	1007	394	278	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	45	5	18
		10	39	-	1007	394	278	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	45	5	18
020-110	4	5	39	-	937	394	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		7.5	39	-	1007	394	278	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	45	5	18
		10	39	-	1007	394	278	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	45	5	18
		15	39	-	1216	394	292	159	127	354	271	524	265	451	650	200	159	159	-	-	-	-	-	-	-	514	476	304	19	10	18
		20	39	-	1216	394	292	159	127	354	271	568	265	451	650	200	159	159	-	-	-	-	-	-	-	514	476	304	19	10	18
020-135	4	7.5	65	-	1059	446	304	133	108	271	210	413	312	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	95	5	18
		10	65	-	1059	446	304	133	108	271	210	413	312	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	95	5	18
		15	65	-	1268	446	338	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
		20	65	-	1268	446	338	159	127	354	271	568	291	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
		25	65	-	1302	481	382	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	553	514	385	51	8	18
		30	65	-	1302	481	382	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	553	514	385	51	8	18
025-070	2	7.5	39	10	998	394	234	133	108	271	210	413	286	347	420	200	124	124	222	92	287	19	178	10	18	423	385	291	45	5	18
		10	39	10	998	394	234	133	108	271	210	413	286	347	420	200	124	124	222	92	287	19	178	10	18	423	385	291	45	5	18
		15	39	10	1207	394	248	159	127	354	271	524	265	451	650	200	159	159	222	92	287	19	178	10	18	514	476	304	19	10	18
		20	39	10	1207	394	248	159	127	354	271	568	265	451	650	200	159	159	222	92	287	19	178	10	18	514	476	304	19	10	18
		25	39	13	1201	392	255	178	140	385	287	578	262	465	650	200	159	159	229	95	312	45	203	5	18	565	527	354	25	13	18
		30	39	13	1201	392	255	178	140	385	287	578	262	465	650	200	159	159	229	95	312	45	203	5	18	565	527	354	25	13	18
	4	1.5	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	338	299	215	70	5	18
		2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	338	299	215	70	5	18
		3	39	10	928	394	211	114	95	231	190	337	216	357	420	200	124	124	222	92	287	19	178	10	18	372	334	266	64	5	18
		5	39	10	928	394	211	114	95	231	190	337	216	357	420	200	124	124	222	92	287	19	178	10	18	372	334	266	64	5	18
025-095	2	25	22	-	1224	403	303	178	140	385	287	578	272	465	650	200	159	159	-	-	-	-	-	-	-	565	527	354	25	13	18
		30	22	-	1224	403	303	178	140	385	287	578	272	465	650	200	159	159	-	-	-	-	-	-	-	565	527	354	25	13	18
		40	22	32	1331	426	281	203	159	425	327	623	294	557	767	200	186	186	267	114	380	25	229	13	18	597	559	393	25	13	18
		50	22	32	1331	426	281	203	159	425	327	623	294	557	767	200	186	186	267	114	380	25	229	13	18	597	559	393	25	13	18
		60	22	32	1376	426	293	229	178	471	395	776	339	587	767	200	186	186	267	114	405	51	254	5	18	622	584	431	25	13	18
		75	22	32	1376	426	293	229	178	471	395	776	339	587	767	200	186	186	267	114	405	51	254	5	18	622	584	431	25	13	18
	4	3	22	-	937	394	245	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	89	5	18
		5	22	-	937	394	245	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	89	5	18
		7.5	22	-	1007	394	267	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
		10	22	-	1007	394	267	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
025-110	4	7.5	47	-	1059	446	292	133	108	271	210	413	312	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
		10	47	-	1059	446	292	133	108	271	210	413	312	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
		15	47	-	1268	446	325	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18
		20	47	-	1268	446	325	159	127	354	271	568	291	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
030-070	2	15	39	10	1207	394	248	159	127	354	271	524	265	451	650	200	159	159	222	92	287	19	178	10	18	514	476	304	19	10	18
		20	39	10	1207	394	248	159	127	354	271	568	265	451	650	200	159	159	222	92	287	19	178	10	18	514	476	304	19	10	18
		25	39	13	1200	392	255	178	140	385	287	578	262	465	650	200	159	159	229	95	312	45	203	5	18	565	527	354	25	13	18
		30	39	13	1200	392	255	178	140	385	287	578	262	465	650	200	159	159	229	95	312	45	203	5	18	565	527	354	25	13	18
		40	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	312	70	229	5	18	597	559	393	25	13	18
		50	39	13	1339	415	289	203	159	425	327	623	284	557	767	200	186	186	229	95	312	70	229	5	18	597	559	393	25	13	18
	4	1.5	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	338	299	215	70	5	18
		2	39	-	896	361	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	338	299	215	70	5	18
		3	39	10	928	394	211	114	95	231	190	337	216	357	420	200	124	124	222	92	287	19	178	10	18	372	334	266	64	5	18
		5	39	10	928	394	211	114	95	231	190	337	216	357	420	200	124	124	222	92	287	19	178	10	18	372	334	266	64	5	18
030-095	2	40	47	6	1402	471	301	203	159	425	327	623	314	557	767	200	186	186	267	114	415	25	229	13	18	597	559	393	25	13	18
		50	47	6	1402	471	301	203	159	425	327	623	314	557	767	200	186	186	267	114	415	25	229	13	18	597	559	393	25	13	18
		60	47	6	1447	471	313	229	178	471	395	776	359	587	767	200	186	186	267	114	440	51	254	5	18	622	584	431	25	13	18
		75	47	6	1447	471	313	229	178	471	395	776	359	587	767	200	186	186	267	114	440	51	254	5	18	622	584	431	25	13	18
	4	5	47	-	983	440	263	114	95	231	190	337	236	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	89	5	18
		7.5	47	-	1053	440	285	133	108	271	210	413	306	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
		10	47	-	1053	440	285	133	108	271	210	413	306	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
		15	47	-	1262	440	319	159	127	354	271	524	285	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18
		20	47	-	1262	440	319	159	127	354	271	568	285	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18
030-110	4	10	47	-	1059	446	292	133	108	271	210	413	312	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
		15	47	-	1268	446	325	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18
		20	47	-	1268	446	325	159	127	354	271	568	291	451	650	200	159	159	-	-	-	-	-	-	-	508	470	329	45	5	18
030-135	4	15	47	-	1268	446	325	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	533	495	329	95	5	18
		20	47	-	1268	446	325	159	127	354	271	568	291	451	650	200	159	159	-	-	-	-	-	-	-	533	495	329	95	5	18
		25	47	-	1302	481	370	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	565	527	385	76	8	18
		30	47	-	1302	481	370	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	565	527	385	76	8	18
		40	47	-	1442	505	405	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	47	-	1442	505	405	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
040-070	2	20	65	16	1267	461	308	159	127	354	271	568	306	451	650	200	159	159	222	92	355	25	203	13	18	508	470	329	45	5	18
		25	65	16	1223	418	258	178	140	385	287	578	262	465	650	200	159	159	222	92	355	25	203	13	18	565	527	354	25	13	18
		30	65	16	1223	418	258	178	140	385	287	578	262	465	650	200	159	159	222	92	355	25	203	13	18	565	527	354	25	13	18
		40	65	13	1365	441	289	203	159	425	327	623	284	557	767	200	186	186	229	95	380	51	229	5	18	597	559	393	25	13	18
		50	65	13	1365	441	289	203	159	425	327	623	284	557	767	200	186	186	229	95	380	51	229	5	18	597	559	393	25	13	18
	4	2	65	-	922	387	218	89	70	187	147	285	175	335	420	200	124	124	-	-	-	-	-	-	-	363	325	215	89	5	18
		3	65	-	963	420	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		5	65	-	963	420	256	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	64	5	18
		7.5	65	-	1033	420	278	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	45	5	18
		10	65	-	1033	420	278	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	45	5	18
040-095	2	75	60	6	1459	484	313	229	178	471	395	776	359	587	767	200	186	186	267	114	415	25	254	13	18	622	584	431	25	13	18
	4	7.5	60	-	1065	452	285	133	108	271	210	413	306	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	95	5	18
		10	60	-	1065	452	285	133	108	271	210	413	306	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	95	5	18
		15	60	-	1274	452	319	159	127	354	271	524	285	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
		20	60	-	1274	452	319	159	127	354	271	568	285	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
040-110	4	15	60	-	1281	459	325	159	127	354	271	524	291	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
		20	60	-	1281	459	325	159	127	354	271	568	291	451	650	200	159	159	-	-	-	-	-	-	-	521	483	329	70	5	18
		25	60	-	1315	494	370	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	553	514	385	51	8	18
		30	60	-	1315	494	370	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	553	514	385	51	8	18
040-135	4	20	60	-	1281	459	327	159	127	354	271	568	291	451	650	200	159	159	-	-	-	-	-	-	-	533	495	329	95	5	18
		25	60	-	1315	494	372	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	565	527	385	76	8	18
		30	60	-	1315	494	372	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	565	527	385	76	8	18
		40	60	-	1455	518	407	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	60	-	1455	518	407	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18

Pump size	Pole	P2 [hp]	L9	L10	L11	WEG PM motor							Integrated CUE						Support rail under pump							Support rail under motor					
						LP	Q	D	E	P	AB	AG	A3	AV	V1	V2	V3	V4	L7	L8	B7	H5	H7	HG3	D1	L4	L6	B4	H6	HG1	D2
040-150	4	50	40	-	1484	547	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		60	40	-	1529	547	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
		75	40	-	1529	547	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
050-070	2	30	47	-	1239	418	290	178	140	385	287	578	262	465	650	200	159	159	-	-	-	-	-	-	-	565	527	354	25	13	18
		40	47	6	1372	441	270	203	159	425	327	623	284	557	767	200	186	186	267	114	380	25	229	13	18	597	559	393	25	13	18
		50	47	6	1372	441	270	203	159	425	327	623	284	557	767	200	186	186	267	114	380	25	229	13	18	597	559	393	25	13	18
		60	47	6	1417	441	283	229	178	471	395	776	329	587	767	200	186	186	267	114	405	51	254	5	18	622	584	431	25	13	18
		75	47	6	1417	441	283	229	178	471	395	776	329	587	767	200	186	186	267	114	405	51	254	5	18	622	584	431	25	13	18
	4	3	47	-	963	420	243	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	89	5	18
		5	47	-	963	420	243	114	95	231	190	337	216	357	420	200	124	124	-	-	-	-	-	-	-	372	334	266	89	5	18
		7.5	47	-	1033	420	265	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
		10	47	-	1033	420	265	133	108	271	210	413	286	347	420	200	124	124	-	-	-	-	-	-	-	423	385	291	70	5	18
050-095	4	10	60	-	1117	504	337	133	108	271	210	413	357	347	420	200	124	124	-	-	-	-	-	-	-	445	406	291	121	5	18
		15	60	-	1326	504	370	159	127	354	271	524	336	451	650	200	159	159	-	-	-	-	-	-	-	533	495	329	95	5	18
		20	60	-	1326	504	370	159	127	354	271	568	336	451	650	200	159	159	-	-	-	-	-	-	-	533	495	329	95	5	18
		25	60	-	1338	517	393	178	140	385	287	578	348	465	650	200	159	159	-	-	-	-	-	-	-	565	527	385	76	8	18
		30	60	-	1338	517	393	178	140	385	287	578	348	465	650	200	159	159	-	-	-	-	-	-	-	565	527	385	76	8	18
050-110	4	20	60	-	1281	459	325	159	127	354	271	568	291	451	650	200	159	159	-	-	-	-	-	-	-	533	495	329	95	5	18
		25	60	-	1315	494	370	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	565	527	385	76	8	18
		30	60	-	1315	494	370	178	140	385	287	578	325	465	650	200	159	159	-	-	-	-	-	-	-	565	527	385	76	8	18
		40	60	-	1455	518	405	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
		50	60	-	1455	518	405	203	159	425	327	623	348	557	767	200	186	186	-	-	-	-	-	-	-	591	553	424	51	8	18
050-135	4	25	40	-	1351	530	391	178	140	385	287	578	361	465	650	200	159	159	-	-	-	-	-	-	-	578	540	385	102	8	18
		30	40	-	1351	530	391	178	140	385	287	578	361	465	650	200	159	159	-	-	-	-	-	-	-	578	540	385	102	8	18
		40	40	-	1484	547	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	40	-	1484	547	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		60	40	-	1529	547	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
		75	40	-	1529	547	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
060-095	4	20	59	-	1345	523	355	159	127	354	271	568	336	451	650	200	159	159	-	-	-	-	-	-	-	546	508	329	121	5	18
		25	59	-	1357	536	378	178	140	385	287	578	348	465	650	200	159	159	-	-	-	-	-	-	-	578	540	385	102	8	18
		30	59	-	1357	536	378	178	140	385	287	578	348	465	650	200	159	159	-	-	-	-	-	-	-	578	540	385	102	8	18
		40	59	-	1489	552	405	203	159	425	327	623	363	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	59	-	1489	552	405	203	159	425	327	623	363	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
060-110	4	30	59	-	1370	549	391	178	140	385	287	578	361	465	650	200	159	159	-	-	-	-	-	-	-	578	540	385	102	8	18
		40	59	-	1503	566	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		50	59	-	1503	566	419	203	159	425	327	623	377	557	767	200	186	186	-	-	-	-	-	-	-	616	578	424	76	8	18
		60	59	-	1548	566	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
		75	59	-	1548	566	435	229	178	471	395	776	422	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	51	8	18
080-135	4	60	59	-	1562	566	435	229	178	471	395	776	436	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	121	8	18
		75	59	-	1562	566	435	229	178	471	395	776	436	587	767	200	186	186	-	-	-	-	-	-	-	622	584	462	121	8	18

Dimensions for NBSE pumps with TEFC motor (WEG and Baldor, 200 V), mounting design F

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
012-070	2	3	6.3	11.3	15.6	13.6	7.9	22.0	35.2	6.3	17.9	11.0	-
		5	6.3	11.3	15.6	13.6	7.9	24.3	35.2	6.3	17.9	11.0	-
		7.5	6.3	11.3	15.6	13.6	8.0	21.7	34.6	6.3	17.0	11.3	-
		10	6.3	11.3	15.6	13.6	8.0	21.7	34.6	6.3	17.0	11.3	-
		15	6.9	13.0	17.4	15.4	9.0	26.7	38.0	6.9	20.4	10.8	-
		20	6.9	13.0	17.4	15.4	9.0	26.7	38.0	6.9	20.4	10.8	-
	4	1.5	5.7	11.1	13.8	12.7	7.9	21.7	32.1	5.7	17.6	8.7	-
		2	5.7	11.1	13.8	12.7	7.9	21.7	32.1	5.7	17.6	8.7	-
015-070	2	5	6.3	11.3	15.6	13.6	7.9	24.3	35.2	6.3	17.9	11.0	-
		7.5	6.3	11.3	15.6	13.6	8.0	21.7	34.6	6.3	17.0	11.3	-
		10	6.3	11.3	15.6	13.6	8.0	21.7	34.6	6.3	17.0	11.3	-
		15	6.9	13.0	17.4	15.4	9.0	26.7	38.0	6.9	20.4	10.8	-
		20	6.9	13.0	17.4	15.4	9.0	26.7	38.0	6.9	20.4	10.8	-
	4	1.5	5.7	11.1	13.8	12.7	7.9	21.7	32.1	5.7	17.6	8.7	-
		2	5.7	11.1	13.8	12.7	7.9	21.7	32.1	5.7	17.6	8.7	-
		3	5.7	11.1	13.8	12.7	7.9	22.0	32.1	5.7	17.6	8.7	-
		5	5.7	11.1	13.8	12.7	7.9	24.3	32.1	5.7	17.6	8.7	-
015-090	2	15	6.5	14.8	19.1	17.2	9.7	27.4	41.6	6.5	22.4	12.8	-
		20	6.5	14.8	19.1	17.2	9.7	27.4	41.6	6.5	22.4	12.8	-
		25	7.3	14.8	18.1	16.8	10.2	30.5	40.2	7.3	20.2	12.7	-
		30	7.3	14.8	18.1	16.8	10.2	30.5	40.2	7.3	20.2	12.7	-
		40	8.1	16.5	22.8	20.1	11.8	33.7	44.4	8.1	22.3	14.1	-
		50	8.1	16.5	22.8	20.1	11.8	33.7	44.4	8.1	22.3	14.1	-
	4	1.5	5.9	14.6	17.3	16.2	9.7	23.5	27.1	5.9	15.1	6.1	-
		2	5.9	14.6	17.3	16.2	9.7	23.5	27.1	5.9	15.1	6.1	-
		3	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		5	5.9	14.6	17.3	16.2	9.7	26.0	33.1	5.9	17.9	9.4	-
015-095	2	15	6.5	14.8	19.1	17.2	9.7	27.4	41.6	6.5	22.4	12.8	-
		20	6.5	14.8	19.1	17.2	9.7	27.4	41.6	6.5	22.4	12.8	-
		25	7.3	14.8	18.1	16.8	10.2	30.5	40.2	7.3	20.2	12.7	-
		30	7.3	14.8	18.1	16.8	10.2	30.5	40.2	7.3	20.2	12.7	-
		40	8.1	16.5	22.8	20.1	11.8	33.7	44.4	8.1	22.3	14.1	-
		50	8.1	16.5	22.8	20.1	11.8	33.7	44.4	8.1	22.3	14.1	-
	4	2	5.9	14.6	17.3	16.2	9.7	23.5	27.1	5.9	15.1	6.1	-
		3	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		5	5.9	14.6	17.3	16.2	9.7	26.0	33.1	5.9	17.9	9.4	-
		7.5	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
		10	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
020-095	2	15	6.5	14.8	19.1	17.2	9.7	27.4	42.0	6.5	23.4	12.2	-
		20	6.5	14.8	19.1	17.2	9.7	27.4	42.0	6.5	23.4	12.2	-
		25	7.3	14.8	18.1	16.8	10.2	30.5	40.6	7.3	21.4	11.9	-
		30	7.3	14.8	18.1	16.8	10.2	30.5	40.6	7.3	21.4	11.9	-
		40	8.1	16.5	22.8	20.1	11.8	33.7	44.1	8.1	23.3	12.7	-
		50	8.1	16.5	22.8	20.1	11.8	33.7	44.1	8.1	23.3	12.7	-
		60	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
	4	2	5.9	14.6	17.3	16.2	9.7	23.5	27.1	5.9	15.1	6.1	-
		3	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		5	5.9	14.6	17.3	16.2	9.7	26.0	33.1	5.9	17.9	9.4	-
		7.5	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
		10	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
020-110	4	5	5.9	14.6	17.3	16.2	9.7	26.0	33.1	5.9	17.9	9.4	-
		7.5	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
		10	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
		15	5.9	14.6	17.3	16.2	9.7	27.4	38.8	5.9	21.6	11.4	-
		20	5.9	14.6	17.3	16.2	9.7	27.4	38.8	5.9	21.6	11.4	-
020-135	4	7.5	6.5	15.6	18.9	17.6	12.0	25.6	34.6	6.5	18.3	9.7	-
		10	6.5	15.6	18.9	17.6	12.0	25.6	34.6	6.5	18.3	9.7	-
		15	6.5	15.6	18.9	17.6	12.0	29.7	40.8	6.5	22.6	11.7	-
		20	6.5	15.6	18.9	17.6	12.0	29.7	40.8	6.5	22.6	11.7	-
		25	6.5	15.6	18.9	17.6	12.0	32.2	41.0	6.5	22.5	12.1	-
		30	6.5	15.6	18.9	17.6	12.0	32.2	41.0	6.5	22.5	12.1	-
025-070	2	7.5	7.7	13.2	18.7	16.3	9.6	23.3	36.9	7.7	17.6	11.6	-
		10	7.7	13.2	18.7	16.3	9.6	23.3	36.9	7.7	17.6	11.6	-
		15	7.7	13.2	18.7	16.3	9.7	27.4	39.6	7.7	20.4	11.6	-
		20	7.7	13.2	18.7	16.3	9.7	27.4	39.6	7.7	20.4	11.6	-
		25	7.5	15.0	20.5	18.0	10.4	30.7	40.6	7.5	20.2	12.9	-
		30	7.5	15.0	20.5	18.0	10.4	30.7	40.6	7.5	20.2	12.9	-
	4	1.5	7.1	13.0	16.8	15.2	9.6	23.4	29.3	7.1	15.1	7.1	-
		2	7.1	13.0	16.8	15.2	9.6	23.4	29.3	7.1	15.1	7.1	-
		3	7.1	13.0	16.8	15.2	9.6	23.7	35.2	7.1	17.9	10.2	-
		5	7.1	13.0	16.8	15.2	9.6	25.9	35.2	7.1	17.9	10.2	-
025-095	2	25	8.9	18.3	27.2	21.9	12.5	32.8	43.0	8.9	21.4	12.8	-
		30	8.9	18.3	27.2	21.9	12.5	32.8	43.0	8.9	21.4	12.8	-
		40	8.1	18.1	24.4	21.7	11.8	33.7	44.0	8.1	23.3	12.6	-
		50	8.1	18.1	24.4	21.7	11.8	33.7	44.0	8.1	23.3	12.6	-
		60	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
	4	3	6.9	18.0	21.3	19.9	11.0	25.0	35.1	6.9	18.3	10.0	-
		5	6.9	18.0	21.3	19.9	11.0	27.3	35.1	6.9	18.3	10.0	-
		7.5	6.9	18.0	21.3	19.9	11.0	24.6	34.8	6.9	17.4	10.5	-
		10	6.9	18.0	21.3	19.9	11.0	24.6	34.8	6.9	17.4	10.5	-
025-110	4	7.5	8.1	16.5	22.0	19.1	12.1	25.8	37.4	8.1	19.1	10.2	-
		10	8.1	16.5	22.0	19.1	12.1	25.8	37.4	8.1	19.1	10.2	-
		15	8.1	16.5	22.0	19.1	12.1	29.9	43.8	8.1	22.5	13.3	-
		20	8.1	16.5	22.0	19.1	12.1	29.9	43.8	8.1	22.5	13.3	-

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
030-070	2	15	7.7	13.2	18.7	16.3	9.7	27.4	39.6	7.7	20.4	11.6	-
		20	7.7	13.2	18.7	16.3	9.7	27.4	39.6	7.7	20.4	11.6	-
		25	7.5	15.0	20.5	18.0	10.4	30.7	40.6	7.5	20.2	12.9	-
		30	7.5	15.0	20.5	18.0	10.4	30.7	40.6	7.5	20.2	12.9	-
		40	8.9	16.7	23.6	20.2	12.2	34.2	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	34.2	46.1	8.9	22.3	15.0	-
	4	1.5	7.1	13.0	16.8	15.2	9.6	23.4	29.3	7.1	15.1	7.1	-
		2	7.1	13.0	16.8	15.2	9.6	23.4	29.3	7.1	15.1	7.1	-
		3	7.1	13.0	16.8	15.2	9.6	23.7	35.2	7.1	17.9	10.2	-
		5	7.1	13.0	16.8	15.2	9.6	25.9	35.2	7.1	17.9	10.2	-
030-095	2	40	8.1	18.1	24.4	21.7	11.8	33.7	44.8	8.1	24.1	12.7	-
		50	8.1	18.1	24.4	21.7	11.8	33.7	44.8	8.1	24.1	12.7	-
		60	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
	4	5	6.9	18.0	21.3	19.9	11.0	27.3	34.4	6.9	19.1	8.4	-
		7.5	6.9	18.0	21.3	19.9	11.0	24.6	34.4	6.9	19.1	8.4	-
		10	6.9	18.0	21.3	19.9	11.0	24.6	34.4	6.9	19.1	8.4	-
		15	7.5	18.0	21.7	20.2	11.7	29.5	42.0	7.5	22.3	12.1	-
		20	7.5	18.0	21.7	20.2	11.7	29.5	42.0	7.5	22.3	12.1	-
030-110	4	10	6.9	18.0	21.3	19.9	11.0	24.6	35.0	6.9	18.3	9.7	-
		15	7.5	18.0	21.7	20.2	11.7	29.5	42.2	7.5	22.6	12.1	-
		20	7.5	18.0	21.7	20.2	11.7	29.5	42.2	7.5	22.6	12.1	-
030-135	4	15	7.3	18.0	22.3	20.3	12.7	30.4	44.4	7.3	23.6	13.5	-
		20	7.3	18.0	22.3	20.3	12.7	30.4	44.4	7.3	23.6	13.5	-
		25	7.3	18.0	22.3	20.3	12.7	33.0	44.4	7.3	23.6	13.5	-
		30	7.3	18.0	22.3	20.3	12.7	33.0	44.4	7.3	23.6	13.5	-
		40	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
040-070	2	20	7.5	15.6	18.9	17.6	10.2	27.9	43.2	7.5	22.4	13.3	-
		25	7.1	15.6	19.4	17.8	10.8	31.1	39.6	7.1	20.2	12.3	-
		30	7.1	15.6	19.4	17.8	10.8	31.1	39.6	7.1	20.2	12.3	-
		40	8.9	16.7	23.6	20.2	12.2	34.1	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	34.1	46.1	8.9	22.3	15.0	-
	4	2	6.3	15.4	18.1	17.0	9.7	23.5	33.2	6.3	17.6	9.3	-
		3	6.3	15.4	18.1	17.0	9.7	23.7	33.2	6.3	17.6	9.3	-
		5	6.3	15.4	18.1	17.0	9.7	26.0	33.2	6.3	17.6	9.3	-
		7.5	6.3	15.4	18.1	17.0	9.7	23.3	32.7	6.3	16.6	9.7	-
		10	6.3	15.4	18.1	17.0	9.7	23.3	32.7	6.3	16.6	9.7	-
040-095	4	7.5	6.9	18.0	21.3	19.9	12.0	25.6	34.4	6.9	19.1	8.4	-
		10	6.9	18.0	21.3	19.9	12.0	25.6	34.4	6.9	19.1	8.4	-
		15	6.9	18.0	21.3	19.9	12.0	29.7	40.8	6.9	22.3	11.6	-
		20	6.9	18.0	21.3	19.9	12.0	29.7	40.8	6.9	22.3	11.6	-
040-110	4	15	6.9	18.0	21.3	19.9	12.0	29.7	41.2	6.9	22.6	11.7	-
		20	6.9	18.0	21.3	19.9	12.0	29.7	41.2	6.9	22.6	11.7	-
		25	8.1	18.1	23.6	20.6	13.1	33.4	43.8	8.1	22.5	13.3	-
		30	8.1	18.1	23.6	20.6	13.1	33.4	43.8	8.1	22.5	13.3	-
040-135	4	20	7.3	18.0	22.3	20.3	12.7	30.4	44.4	7.3	23.6	13.5	-
		25	7.3	18.0	22.3	20.3	12.7	33.0	44.4	7.3	23.6	13.5	-
		30	7.3	18.0	22.3	20.3	12.7	33.0	44.4	7.3	23.6	13.5	-
		40	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
040-150	4	50	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	16.1	39.2	53.9	10.8	35.7	7.3	16.8

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
050-070	2	30	8.1	16.5	22.0	19.1	12.1	32.4	44.0	8.1	21.6	14.3	-
		40	8.9	16.7	23.6	20.2	12.2	34.1	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	34.1	46.1	8.9	22.3	15.0	-
		60	11.6	22.1	33.5	26.1	15.6	38.7	50.7	11.6	32.1	7.1	13.9
	4	3	8.1	16.5	22.0	19.1	12.1	26.2	36.5	8.1	18.6	9.9	-
		5	8.1	16.5	22.0	19.1	12.1	28.5	36.5	8.1	18.6	9.9	-
		7.5	8.1	16.5	22.0	19.1	12.1	25.8	37.3	8.1	17.3	12.0	-
		10	8.1	16.5	22.0	19.1	12.1	25.8	37.3	8.1	17.3	12.0	-
050-095	4	10	6.7	17.8	20.5	19.4	12.7	26.3	36.1	6.7	19.3	10.1	-
		15	6.7	17.8	20.5	19.4	12.7	30.4	42.4	6.7	23.6	12.1	-
		20	6.7	17.8	20.5	19.4	12.7	30.4	42.4	6.7	23.6	12.1	-
		25	6.7	17.8	20.5	19.4	12.7	33.0	42.4	6.7	23.6	12.1	-
		30	6.7	17.8	20.5	19.4	12.7	33.0	42.4	6.7	23.6	12.1	-
050-110	4	20	7.3	18.0	22.3	20.3	12.7	30.4	44.4	7.3	23.6	13.5	-
		25	7.3	18.0	22.3	20.3	12.7	33.0	44.4	7.3	23.6	13.5	-
		30	7.3	18.0	22.3	20.3	12.7	33.0	44.4	7.3	23.6	13.5	-
		40	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
050-135	4	25	10.8	22.0	31.9	25.7	16.1	36.4	51.9	10.8	24.7	16.3	-
		30	10.8	22.0	31.9	25.7	16.1	36.4	51.9	10.8	24.7	16.3	-
		40	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		50	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	17.1	40.2	52.9	10.8	35.7	6.3	16.8
060-095	4	20	10.8	22.0	31.9	25.7	16.1	33.9	46.9	10.8	22.1	13.9	-
		25	11.8	22.0	31.9	25.7	16.1	36.4	52.4	11.8	25.7	14.9	-
		30	11.8	22.0	31.9	25.7	16.1	36.4	52.4	11.8	25.7	14.9	-
		40	11.8	22.0	31.9	25.7	16.1	38.0	52.4	11.8	24.2	16.4	-
		50	11.8	22.0	31.9	25.7	16.1	38.0	52.4	11.8	24.2	16.4	-
060-110	4	30	10.8	22.0	31.9	25.7	16.1	36.4	51.9	10.8	24.7	16.3	-
		40	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		50	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	16.1	39.2	53.9	10.8	35.7	7.3	16.8
080-135	4	60	9.8	27.1	36.0	30.7	18.3	41.4	51.1	9.8	36.7	4.6	19.8

Dimensions in mm

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
012-070	2	3	160	286	396	346	201	558	894	160	454	280	-
		5	160	286	396	346	201	616	894	160	454	280	-
		7.5	160	286	396	346	203	550	880	160	432	288	-
		10	160	286	396	346	203	550	880	160	432	288	-
		15	175	331	441	391	228	679	966	175	517	274	-
		20	175	331	441	391	228	679	966	175	517	274	-
	4	1.5	145	282	350	322	201	551	815	145	448	222	-
		2	145	282	350	322	201	551	815	145	448	222	-
015-070	2	5	160	286	396	346	201	616	894	160	454	280	-
		7.5	160	286	396	346	203	550	880	160	432	288	-
		10	160	286	396	346	203	550	880	160	432	288	-
		15	175	331	441	391	228	679	966	175	517	274	-
		20	175	331	441	391	228	679	966	175	517	274	-
	4	1.5	145	282	350	322	201	551	815	145	448	222	-
		2	145	282	350	322	201	551	815	145	448	222	-
		3	145	282	350	322	201	558	815	145	448	222	-
		5	145	282	350	322	201	616	815	145	448	222	-

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
015-090	2	15	165	376	486	436	246	697	1057	165	568	324	-
		20	165	376	486	436	246	697	1057	165	568	324	-
		25	185	376	460	426	260	775	1020	185	512	323	-
		30	185	376	460	426	260	775	1020	185	512	323	-
		40	205	420	580	510	300	857	1129	205	566	358	-
		50	205	420	580	510	300	857	1129	205	566	358	-
	4	1.5	150	372	440	412	246	596	689	150	384	155	-
		2	150	372	440	412	246	596	689	150	384	155	-
		3	150	372	440	412	246	603	842	150	454	238	-
		5	150	372	440	412	246	661	842	150	454	238	-
015-095	2	15	165	376	486	436	246	697	1057	165	568	324	-
		20	165	376	486	436	246	697	1057	165	568	324	-
		25	185	376	460	426	260	775	1020	185	512	323	-
		30	185	376	460	426	260	775	1020	185	512	323	-
		40	205	420	580	510	300	857	1129	205	566	358	-
		50	205	420	580	510	300	857	1129	205	566	358	-
	4	2	150	372	440	412	246	596	689	150	384	155	-
		3	150	372	440	412	246	603	842	150	454	238	-
		5	150	372	440	412	246	661	842	150	454	238	-
		7.5	150	372	440	412	246	593	828	150	432	246	-
		10	150	372	440	412	246	593	828	150	432	246	-
020-095	2	15	165	376	486	436	246	697	1068	165	594	309	-
		20	165	376	486	436	246	697	1068	165	594	309	-
		25	185	376	460	426	260	775	1031	185	544	302	-
		30	185	376	460	426	260	775	1031	185	544	302	-
		40	205	420	580	510	300	857	1119	205	592	322	-
		50	205	420	580	510	300	857	1119	205	592	322	-
		60	295	562	850	664	396	983	1326	295	845	186	397
	4	2	150	372	440	412	246	596	689	150	384	155	-
		3	150	372	440	412	246	603	842	150	454	238	-
		5	150	372	440	412	246	661	842	150	454	238	-
		7.5	150	372	440	412	246	593	828	150	432	246	-
		10	150	372	440	412	246	593	828	150	432	246	-
020-110	4	5	150	372	440	412	246	661	842	150	454	238	-
		7.5	150	372	440	412	246	593	828	150	432	246	-
		10	150	372	440	412	246	593	828	150	432	246	-
		15	150	372	440	412	246	697	986	150	548	289	-
		20	150	372	440	412	246	697	986	150	548	289	-
020-135	4	7.5	165	396	480	446	304	651	878	165	465	248	-
		10	165	396	480	446	304	651	878	165	465	248	-
		15	165	396	480	446	304	755	1036	165	574	298	-
		20	165	396	480	446	304	755	1036	165	574	298	-
		25	165	396	480	446	304	819	1042	165	570	307	-
		30	165	396	480	446	304	819	1042	165	570	307	-
025-070	2	7.5	195	335	475	413	244	591	937	195	448	294	-
		10	195	335	475	413	244	591	937	195	448	294	-
		15	195	335	475	413	246	697	1006	195	517	294	-
		20	195	335	475	413	246	697	1006	195	517	294	-
		25	190	380	520	458	265	780	1031	190	512	329	-
		30	190	380	520	458	265	780	1031	190	512	329	-
	4	1.5	180	331	427	387	244	594	743	180	384	179	-
		2	180	331	427	387	244	594	743	180	384	179	-
		3	180	331	427	387	244	601	894	180	454	260	-
		5	180	331	427	387	244	659	894	180	454	260	-

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
025-095	2	25	225	464	690	556	318	833	1093	225	544	324	-
		30	225	464	690	556	318	833	1093	225	544	324	-
		40	205	460	620	550	300	857	1118	205	592	321	-
		50	205	460	620	550	300	857	1118	205	592	321	-
		60	295	562	850	664	395	982	1326	295	845	186	397
	4	3	175	456	540	506	278	635	892	175	464	253	-
		5	175	456	540	506	278	693	892	175	464	253	-
		7.5	175	456	540	506	278	625	883	175	442	266	-
		10	175	456	540	506	278	625	883	175	442	266	-
025-110	4	7.5	205	420	560	484	308	655	950	205	486	259	-
		10	205	420	560	484	308	655	950	205	486	259	-
		15	205	420	560	484	308	759	1112	205	570	337	-
		20	205	420	560	484	308	759	1112	205	570	337	-
030-070	2	15	195	335	475	413	246	697	1006	195	517	294	-
		20	195	335	475	413	246	697	1006	195	517	294	-
		25	190	380	520	458	265	780	1031	190	512	329	-
		30	190	380	520	458	265	780	1031	190	512	329	-
		40	225	424	600	514	311	868	1171	225	566	380	-
		50	225	424	600	514	311	868	1171	225	566	380	-
	4	1.5	180	331	427	387	244	594	743	180	384	179	-
		2	180	331	427	387	244	594	743	180	384	179	-
		3	180	331	427	387	244	601	894	180	454	260	-
		5	180	331	427	387	244	659	894	180	454	260	-
030-095	2	40	205	460	620	550	300	857	1139	205	612	322	-
		50	205	460	620	550	300	857	1139	205	612	322	-
		60	295	562	850	664	395	982	1326	295	845	186	397
	4	5	175	456	540	506	278	693	873	175	486	212	-
		7.5	175	456	540	506	278	625	873	175	486	212	-
		10	175	456	540	506	278	625	873	175	486	212	-
		15	190	456	552	512	298	749	1066	190	568	309	-
		20	190	456	552	512	298	749	1066	190	568	309	-
030-110	4	10	175	456	540	506	278	625	888	175	465	248	-
		15	190	456	552	512	298	749	1071	190	574	308	-
		20	190	456	552	512	298	749	1071	190	574	308	-
030-135	4	15	185	456	566	516	322	773	1129	185	601	343	-
		20	185	456	566	516	322	773	1129	185	601	343	-
		25	185	456	566	516	322	837	1129	185	601	343	-
		30	185	456	566	516	322	837	1129	185	601	343	-
		40	185	456	566	516	322	879	1129	185	601	343	-
		50	185	456	566	516	322	879	1129	185	601	343	-
040-070	2	20	190	396	480	446	259	710	1097	190	568	339	-
		25	180	396	492	452	275	790	1005	180	512	313	-
		30	180	396	492	452	275	790	1005	180	512	313	-
		40	225	424	600	514	310	867	1171	225	566	380	-
		50	225	424	600	514	310	867	1171	225	566	380	-
	4	2	160	392	460	432	246	596	843	160	448	235	-
		3	160	392	460	432	246	603	843	160	448	235	-
		5	160	392	460	432	246	661	843	160	448	235	-
		7.5	160	392	460	432	246	593	830	160	422	248	-
		10	160	392	460	432	246	593	830	160	422	248	-
040-095	4	7.5	175	456	540	506	304	651	873	175	486	212	-
		10	175	456	540	506	304	651	873	175	486	212	-
		15	175	456	540	506	304	755	1036	175	568	294	-
		20	175	456	540	506	304	755	1036	175	568	294	-

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
040-110	4	15	175	456	540	506	304	755	1046	175	574	298	-
		20	175	456	540	506	304	755	1046	175	574	298	-
		25	205	460	600	524	334	849	1112	205	570	337	-
		30	205	460	600	524	334	849	1112	205	570	337	-
040-135	4	20	185	456	566	516	322	773	1129	185	601	343	-
		25	185	456	566	516	322	837	1129	185	601	343	-
		30	185	456	566	516	322	837	1129	185	601	343	-
		40	185	456	566	516	322	879	1129	185	601	343	-
		50	185	456	566	516	322	879	1129	185	601	343	-
040-150	4	50	275	558	810	654	409	966	1319	275	637	407	-
		60	275	558	810	654	409	996	1368	275	908	185	426
050-070	2	30	205	420	560	484	308	823	1117	205	548	364	-
		40	225	424	600	514	310	867	1171	225	566	380	-
		50	225	424	600	514	310	867	1171	225	566	380	-
		60	295	562	850	664	395	982	1289	295	814	180	354
	4	3	205	420	560	484	308	665	928	205	472	251	-
		5	205	420	560	484	308	723	928	205	472	251	-
		7.5	205	420	560	484	308	655	947	205	438	304	-
		10	205	420	560	484	308	655	947	205	438	304	-
050-095	4	10	170	452	520	492	322	669	918	170	490	258	-
		15	170	452	520	492	322	773	1076	170	600	306	-
		20	170	452	520	492	322	773	1076	170	600	306	-
		25	170	452	520	492	322	837	1076	170	600	306	-
		30	170	452	520	492	322	837	1076	170	600	306	-
050-110	4	20	185	456	566	516	322	773	1129	185	601	343	-
		25	185	456	566	516	322	837	1129	185	601	343	-
		30	185	456	566	516	322	837	1129	185	601	343	-
		40	185	456	566	516	322	879	1129	185	601	343	-
		50	185	456	566	516	322	879	1129	185	601	343	-
050-135	4	25	275	558	810	654	409	924	1318	275	629	415	-
		30	275	558	810	654	409	924	1318	275	629	415	-
		40	275	558	810	654	409	966	1319	275	637	407	-
		50	275	558	810	654	409	966	1319	275	637	407	-
		60	275	558	810	654	434	1021	1343	275	908	160	426
060-095	4	20	275	558	810	654	409	860	1190	275	561	354	-
		25	300	558	810	654	409	924	1330	300	652	378	-
		30	300	558	810	654	409	924	1330	300	652	378	-
		40	300	558	810	654	409	966	1330	300	614	416	-
		50	300	558	810	654	409	966	1330	300	614	416	-
060-110	4	30	275	558	810	654	409	924	1318	275	629	415	-
		40	275	558	810	654	409	966	1319	275	637	407	-
		50	275	558	810	654	409	966	1319	275	637	407	-
		60	275	558	810	654	409	996	1368	275	908	185	426
080-135	4	60	250	689	915	781	465	1052	1299	250	933	116	503

Dimensions for NBSE pumps with TEFC motor (WEG and Baldor, 460 V), mounting design F

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
015-090	2	40	8.1	16.5	22.8	20.1	11.8	30.8	44.4	8.1	22.3	14.1	-
		50	8.1	16.5	22.8	20.1	11.8	32.7	44.4	8.1	22.3	14.1	-
015-095	2	40	8.1	16.5	22.8	20.1	11.8	30.8	44.4	8.1	22.3	14.1	-
		50	8.1	16.5	22.8	20.1	11.8	32.7	44.4	8.1	22.3	14.1	-
020-095	2	40	8.1	16.5	22.8	20.1	11.8	30.8	44.1	8.1	23.3	12.7	-
		50	8.1	16.5	22.8	20.1	11.8	32.7	44.1	8.1	23.3	12.7	-
		60	11.6	22.1	33.5	26.1	15.6	37.7	52.2	11.6	33.3	7.3	15.6
		75	11.6	22.1	33.5	26.1	15.6	37.7	52.2	11.6	33.3	7.3	15.6
025-095	2	40	8.1	18.1	24.4	21.7	11.8	30.8	44.0	8.1	23.3	12.6	-
		50	8.1	18.1	24.4	21.7	11.8	32.8	44.0	8.1	23.3	12.6	-
		60	11.6	22.1	33.5	26.1	15.6	37.7	52.2	11.6	33.3	7.3	15.6
		75	11.6	22.1	33.5	26.1	15.6	37.7	52.2	11.6	33.3	7.3	15.6
030-070	2	40	8.9	16.7	23.6	20.2	12.2	31.2	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	33.2	46.1	8.9	22.3	15.0	-
030-095	2	40	8.1	18.1	24.4	21.7	11.8	30.8	44.8	8.1	24.1	12.7	-
		50	8.1	18.1	24.4	21.7	11.8	32.8	44.8	8.1	24.1	12.7	-
		60	11.6	22.1	33.5	26.1	15.6	37.7	52.2	11.6	33.3	7.3	15.6
		75	11.6	22.1	33.5	26.1	15.6	37.7	52.2	11.6	33.3	7.3	15.6
030-135	4	40	7.3	18.0	22.3	20.3	12.7	33.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	33.6	44.4	7.3	23.6	13.5	-
040-070	2	40	8.9	16.7	23.6	20.2	12.2	31.2	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	33.1	46.1	8.9	22.3	15.0	-
040-095	2	75	11.6	22.1	33.5	26.1	15.6	37.7	52.2	11.6	33.3	7.3	15.6
040-135	4	40	7.3	18.0	22.3	20.3	12.7	33.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	33.6	44.4	7.3	23.6	13.5	-
040-150	4	50	10.8	22.0	31.9	25.7	16.1	37.1	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	16.1	38.2	53.9	10.8	35.7	7.3	16.8
		75	10.8	22.0	31.9	25.7	16.1	39.2	53.9	10.8	35.7	7.3	16.8
050-070	2	40	8.9	16.7	23.6	20.2	12.2	31.2	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	33.2	46.1	8.9	22.3	15.0	-
		60	11.6	22.1	33.5	26.1	15.6	37.7	50.7	11.6	32.1	7.1	13.9
		75	11.6	22.1	33.5	26.1	15.6	37.7	50.7	11.6	32.1	7.1	13.9
050-110	4	40	7.3	18.0	22.3	20.3	12.7	33.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	33.6	44.4	7.3	23.6	13.5	-
050-135	4	40	10.8	22.0	31.9	25.7	16.1	37.1	51.9	10.8	25.1	16.0	-
		50	10.8	22.0	31.9	25.7	16.1	37.1	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	17.1	39.2	52.9	10.8	35.7	6.3	16.8
		75	10.8	22.0	31.9	25.7	17.1	40.2	52.9	10.8	35.7	6.3	16.8
060-095	4	40	11.8	22.0	31.9	25.7	16.1	37.1	52.4	11.8	24.2	16.4	-
		50	11.8	22.0	31.9	25.7	16.1	37.1	52.4	11.8	24.2	16.4	-
060-110	4	40	10.8	22.0	31.9	25.7	16.1	37.1	51.9	10.8	25.1	16.0	-
		50	10.8	22.0	31.9	25.7	16.1	37.1	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	16.1	38.2	53.9	10.8	35.7	7.3	16.8
		75	10.8	22.0	31.9	25.7	16.1	39.2	53.9	10.8	35.7	7.3	16.8
080-135	4	60	9.8	27.1	36.0	30.7	18.3	40.4	51.1	9.8	36.7	4.6	19.8
		75	9.8	27.1	36.0	30.7	18.3	41.4	51.1	9.8	36.7	4.6	19.8

Dimensions in mm

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
015-090	2	40	205	420	580	510	300	782	1129	205	566	358	-
		50	205	420	580	510	300	832	1129	205	566	358	-
015-095	2	40	205	420	580	510	300	782	1129	205	566	358	-
		50	205	420	580	510	300	832	1129	205	566	358	-
020-095	2	40	205	420	580	510	300	782	1119	205	592	322	-
		50	205	420	580	510	300	832	1119	205	592	322	-
		60	295	562	850	664	396	958	1326	295	845	186	397
		75	295	562	850	664	396	958	1326	295	845	186	397
025-095	2	40	205	460	620	550	300	782	1118	205	592	321	-
		50	205	460	620	550	300	832	1118	205	592	321	-
		60	295	562	850	664	395	957	1326	295	845	186	397
		75	295	562	850	664	395	957	1326	295	845	186	397
030-070	2	40	225	424	600	514	311	793	1171	225	566	380	-
		50	225	424	600	514	311	843	1171	225	566	380	-
030-095	2	40	205	460	620	550	300	782	1139	205	612	322	-
		50	205	460	620	550	300	832	1139	205	612	322	-
		60	295	562	850	664	395	957	1326	295	845	186	397
		75	295	562	850	664	395	957	1326	295	845	186	397
030-135	4	40	185	456	566	516	322	854	1129	185	601	343	-
		50	185	456	566	516	322	854	1129	185	601	343	-
040-070	2	40	225	424	600	514	310	792	1171	225	566	380	-
		50	225	424	600	514	310	842	1171	225	566	380	-
040-095	2	75	295	562	850	664	396	958	1326	295	845	186	397
040-135	4	40	185	456	566	516	322	854	1129	185	601	343	-
		50	185	456	566	516	322	854	1129	185	601	343	-
040-150	4	50	275	558	810	654	409	941	1319	275	637	407	-
		60	275	558	810	654	409	971	1368	275	908	185	426
		75	275	558	810	654	409	996	1368	275	908	185	426
050-070	2	40	225	424	600	514	310	792	1171	225	566	380	-
		50	225	424	600	514	310	842	1171	225	566	380	-
		60	295	562	850	664	395	957	1289	295	814	180	354
		75	295	562	850	664	395	957	1289	295	814	180	354
050-110	4	40	185	456	566	516	322	854	1129	185	601	343	-
		50	185	456	566	516	322	854	1129	185	601	343	-
050-135	4	40	275	558	810	654	409	941	1319	275	637	407	-
		50	275	558	810	654	409	941	1319	275	637	407	-
		60	275	558	810	654	434	996	1343	275	908	160	426
		75	275	558	810	654	434	1021	1343	275	908	160	426
060-095	4	40	300	558	810	654	409	941	1330	300	614	416	-
		50	300	558	810	654	409	941	1330	300	614	416	-
060-110	4	40	275	558	810	654	409	941	1319	275	637	407	-
		50	275	558	810	654	409	941	1319	275	637	407	-
		60	275	558	810	654	409	971	1368	275	908	185	426
		75	275	558	810	654	409	996	1368	275	908	185	426
080-135	4	60	250	689	915	781	465	1027	1299	250	933	116	503
		75	250	689	915	781	465	1052	1299	250	933	116	503

Dimensions for NBSE pumps with TEFC motor (WEG and Baldor, 575 V), mounting design F

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
012-070	2	3	6.3	11.3	15.6	13.6	7.9	22.0	35.2	6.3	17.9	11.0	-
		5	6.3	11.3	15.6	13.6	7.9	22.0	35.2	6.3	17.9	11.0	-
		7.5	6.3	11.3	15.6	13.6	8.0	21.7	34.6	6.3	17.0	11.3	-
		10	6.3	11.3	15.6	13.6	8.0	21.7	34.6	6.3	17.0	11.3	-
		15	6.9	13.0	17.4	15.4	9.0	26.7	38.0	6.9	20.4	10.8	-
		20	6.9	13.0	17.4	15.4	9.0	26.7	38.0	6.9	20.4	10.8	-
	4	1.5	5.7	11.1	13.8	12.7	7.9	21.7	32.1	5.7	17.6	8.7	-
		2	5.7	11.1	13.8	12.7	7.9	21.7	32.1	5.7	17.6	8.7	-
015-070	2	5	6.3	11.3	15.6	13.6	7.9	22.0	35.2	6.3	17.9	11.0	-
		7.5	6.3	11.3	15.6	13.6	8.0	21.7	34.6	6.3	17.0	11.3	-
		10	6.3	11.3	15.6	13.6	8.0	21.7	34.6	6.3	17.0	11.3	-
		15	6.9	13.0	17.4	15.4	9.0	26.7	38.0	6.9	20.4	10.8	-
		20	6.9	13.0	17.4	15.4	9.0	26.7	38.0	6.9	20.4	10.8	-
	4	1.5	5.7	11.1	13.8	12.7	7.9	21.7	32.1	5.7	17.6	8.7	-
		2	5.7	11.1	13.8	12.7	7.9	21.7	32.1	5.7	17.6	8.7	-
		3	5.7	11.1	13.8	12.7	7.9	22.0	32.1	5.7	17.6	8.7	-
		5	5.7	11.1	13.8	12.7	7.9	22.0	32.1	5.7	17.6	8.7	-
015-090	2	15	6.5	14.8	19.1	17.2	9.7	27.4	41.6	6.5	22.4	12.8	-
		20	6.5	14.8	19.1	17.2	9.7	27.4	41.6	6.5	22.4	12.8	-
		25	7.3	14.8	18.1	16.8	10.2	28.5	40.2	7.3	20.2	12.7	-
		30	7.3	14.8	18.1	16.8	10.2	28.5	40.2	7.3	20.2	12.7	-
		40	8.1	16.5	22.8	20.1	11.8	33.7	44.4	8.1	22.3	14.1	-
		50	8.1	16.5	22.8	20.1	11.8	33.7	44.4	8.1	22.3	14.1	-
	4	1.5	5.9	14.6	17.3	16.2	9.7	23.5	27.1	5.9	15.1	6.1	-
		2	5.9	14.6	17.3	16.2	9.7	23.5	27.1	5.9	15.1	6.1	-
		3	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		5	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
015-095	2	15	6.5	14.8	19.1	17.2	9.7	27.4	41.6	6.5	22.4	12.8	-
		20	6.5	14.8	19.1	17.2	9.7	27.4	41.6	6.5	22.4	12.8	-
		25	7.3	14.8	18.1	16.8	10.2	28.5	40.2	7.3	20.2	12.7	-
		30	7.3	14.8	18.1	16.8	10.2	28.5	40.2	7.3	20.2	12.7	-
		40	8.1	16.5	22.8	20.1	11.8	33.7	44.4	8.1	22.3	14.1	-
		50	8.1	16.5	22.8	20.1	11.8	33.7	44.4	8.1	22.3	14.1	-
	4	2	5.9	14.6	17.3	16.2	9.7	23.5	27.1	5.9	15.1	6.1	-
		3	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		5	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		7.5	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
		10	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
020-095	2	15	6.5	14.8	19.1	17.2	9.7	27.4	42.0	6.5	23.4	12.2	-
		20	6.5	14.8	19.1	17.2	9.7	27.4	42.0	6.5	23.4	12.2	-
		25	7.3	14.8	18.1	16.8	10.2	28.5	40.6	7.3	21.4	11.9	-
		30	7.3	14.8	18.1	16.8	10.2	28.5	40.6	7.3	21.4	11.9	-
		40	8.1	16.5	22.8	20.1	11.8	33.7	44.1	8.1	23.3	12.7	-
		50	8.1	16.5	22.8	20.1	11.8	33.7	44.1	8.1	23.3	12.7	-
		60	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
		75	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
	4	2	5.9	14.6	17.3	16.2	9.7	23.5	27.1	5.9	15.1	6.1	-
		3	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		5	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		7.5	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
		10	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
020-110	4	5	5.9	14.6	17.3	16.2	9.7	23.7	33.1	5.9	17.9	9.4	-
		7.5	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
		10	5.9	14.6	17.3	16.2	9.7	23.3	32.6	5.9	17.0	9.7	-
		15	5.9	14.6	17.3	16.2	9.7	27.4	38.8	5.9	21.6	11.4	-
		20	5.9	14.6	17.3	16.2	9.7	27.4	38.8	5.9	21.6	11.4	-
020-135	4	7.5	6.5	15.6	18.9	17.6	12.0	25.6	34.6	6.5	18.3	9.7	-
		10	6.5	15.6	18.9	17.6	12.0	25.6	34.6	6.5	18.3	9.7	-
		15	6.5	15.6	18.9	17.6	12.0	29.7	40.8	6.5	22.6	11.7	-
		20	6.5	15.6	18.9	17.6	12.0	29.7	40.8	6.5	22.6	11.7	-
		25	6.5	15.6	18.9	17.6	12.0	30.3	41.0	6.5	22.5	12.1	-
		30	6.5	15.6	18.9	17.6	12.0	30.3	41.0	6.5	22.5	12.1	-
025-070	2	7.5	7.7	13.2	18.7	16.3	9.6	23.3	36.9	7.7	17.6	11.6	-
		10	7.7	13.2	18.7	16.3	9.6	23.3	36.9	7.7	17.6	11.6	-
		15	7.7	13.2	18.7	16.3	9.7	27.4	39.6	7.7	20.4	11.6	-
		20	7.7	13.2	18.7	16.3	9.7	27.4	39.6	7.7	20.4	11.6	-
		25	7.5	15.0	20.5	18.0	10.4	28.7	40.6	7.5	20.2	12.9	-
		30	7.5	15.0	20.5	18.0	10.4	28.7	40.6	7.5	20.2	12.9	-
	4	1.5	7.1	13.0	16.8	15.2	9.6	23.4	29.3	7.1	15.1	7.1	-
		2	7.1	13.0	16.8	15.2	9.6	23.4	29.3	7.1	15.1	7.1	-
		3	7.1	13.0	16.8	15.2	9.6	23.7	35.2	7.1	17.9	10.2	-
		5	7.1	13.0	16.8	15.2	9.6	23.7	35.2	7.1	17.9	10.2	-
025-095	2	25	8.9	18.3	27.2	21.9	12.5	30.8	43.0	8.9	21.4	12.8	-
		30	8.9	18.3	27.2	21.9	12.5	30.8	43.0	8.9	21.4	12.8	-
		40	8.1	18.1	24.4	21.7	11.8	33.7	44.0	8.1	23.3	12.6	-
		50	8.1	18.1	24.4	21.7	11.8	33.7	44.0	8.1	23.3	12.6	-
		60	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
		75	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
	4	3	6.9	18.0	21.3	19.9	11.0	25.0	35.1	6.9	18.3	10.0	-
		5	6.9	18.0	21.3	19.9	11.0	25.0	35.1	6.9	18.3	10.0	-
		7.5	6.9	18.0	21.3	19.9	11.0	24.6	34.8	6.9	17.4	10.5	-
		10	6.9	18.0	21.3	19.9	11.0	24.6	34.8	6.9	17.4	10.5	-
025-110	4	7.5	8.1	16.5	22.0	19.1	12.1	25.8	37.4	8.1	19.1	10.2	-
		10	8.1	16.5	22.0	19.1	12.1	25.8	37.4	8.1	19.1	10.2	-
		15	8.1	16.5	22.0	19.1	12.1	29.9	43.8	8.1	22.5	13.3	-
		20	8.1	16.5	22.0	19.1	12.1	29.9	43.8	8.1	22.5	13.3	-

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
030-070	2	15	7.7	13.2	18.7	16.3	9.7	27.4	39.6	7.7	20.4	11.6	-
		20	7.7	13.2	18.7	16.3	9.7	27.4	39.6	7.7	20.4	11.6	-
		25	7.5	15.0	20.5	18.0	10.4	28.7	40.6	7.5	20.2	12.9	-
		30	7.5	15.0	20.5	18.0	10.4	28.7	40.6	7.5	20.2	12.9	-
		40	8.9	16.7	23.6	20.2	12.2	34.2	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	34.2	46.1	8.9	22.3	15.0	-
	4	1.5	7.1	13.0	16.8	15.2	9.6	23.4	29.3	7.1	15.1	7.1	-
		2	7.1	13.0	16.8	15.2	9.6	23.4	29.3	7.1	15.1	7.1	-
		3	7.1	13.0	16.8	15.2	9.6	23.7	35.2	7.1	17.9	10.2	-
		5	7.1	13.0	16.8	15.2	9.6	23.7	35.2	7.1	17.9	10.2	-
030-095	2	40	8.1	18.1	24.4	21.7	11.8	33.7	44.8	8.1	24.1	12.7	-
		50	8.1	18.1	24.4	21.7	11.8	33.7	44.8	8.1	24.1	12.7	-
		60	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
		75	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
	4	5	6.9	18.0	21.3	19.9	11.0	25.0	34.4	6.9	19.1	8.4	-
		7.5	6.9	18.0	21.3	19.9	11.0	24.6	34.4	6.9	19.1	8.4	-
		10	6.9	18.0	21.3	19.9	11.0	24.6	34.4	6.9	19.1	8.4	-
		15	7.5	18.0	21.7	20.2	11.7	29.5	42.0	7.5	22.3	12.1	-
		20	7.5	18.0	21.7	20.2	11.7	29.5	42.0	7.5	22.3	12.1	-
030-110	4	10	6.9	18.0	21.3	19.9	11.0	24.6	35.0	6.9	18.3	9.7	-
		15	7.5	18.0	21.7	20.2	11.7	29.5	42.2	7.5	22.6	12.1	-
		20	7.5	18.0	21.7	20.2	11.7	29.5	42.2	7.5	22.6	12.1	-
030-135	4	15	7.3	18.0	22.3	20.3	12.7	30.4	44.4	7.3	23.6	13.5	-
		20	7.3	18.0	22.3	20.3	12.7	30.4	44.4	7.3	23.6	13.5	-
		25	7.3	18.0	22.3	20.3	12.7	31.0	44.4	7.3	23.6	13.5	-
		30	7.3	18.0	22.3	20.3	12.7	31.0	44.4	7.3	23.6	13.5	-
		40	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
040-070	2	20	7.5	15.6	18.9	17.6	10.2	27.9	43.2	7.5	22.4	13.3	-
		25	7.1	15.6	19.4	17.8	10.8	29.1	39.6	7.1	20.2	12.3	-
		30	7.1	15.6	19.4	17.8	10.8	29.1	39.6	7.1	20.2	12.3	-
		40	8.9	16.7	23.6	20.2	12.2	34.1	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	34.1	46.1	8.9	22.3	15.0	-
	4	2	6.3	15.4	18.1	17.0	9.7	23.5	33.2	6.3	17.6	9.3	-
		3	6.3	15.4	18.1	17.0	9.7	23.7	33.2	6.3	17.6	9.3	-
		5	6.3	15.4	18.1	17.0	9.7	23.7	33.2	6.3	17.6	9.3	-
		7.5	6.3	15.4	18.1	17.0	9.7	23.3	32.7	6.3	16.6	9.7	-
		10	6.3	15.4	18.1	17.0	9.7	23.3	32.7	6.3	16.6	9.7	-
040-095	2	75	11.6	22.1	33.5	26.1	15.6	38.7	52.2	11.6	33.3	7.3	15.6
	4	7.5	6.9	18.0	21.3	19.9	12.0	25.6	34.4	6.9	19.1	8.4	-
		10	6.9	18.0	21.3	19.9	12.0	25.6	34.4	6.9	19.1	8.4	-
		15	6.9	18.0	21.3	19.9	12.0	29.7	40.8	6.9	22.3	11.6	-
		20	6.9	18.0	21.3	19.9	12.0	29.7	40.8	6.9	22.3	11.6	-
040-110	4	15	6.9	18.0	21.3	19.9	12.0	29.7	41.2	6.9	22.6	11.7	-
		20	6.9	18.0	21.3	19.9	12.0	29.7	41.2	6.9	22.6	11.7	-
		25	8.1	18.1	23.6	20.6	13.1	31.4	43.8	8.1	22.5	13.3	-
		30	8.1	18.1	23.6	20.6	13.1	31.4	43.8	8.1	22.5	13.3	-
040-135	4	20	7.3	18.0	22.3	20.3	12.7	30.4	44.4	7.3	23.6	13.5	-
		25	7.3	18.0	22.3	20.3	12.7	31.0	44.4	7.3	23.6	13.5	-
		30	7.3	18.0	22.3	20.3	12.7	31.0	44.4	7.3	23.6	13.5	-
		40	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
040-150	4	50	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	16.1	39.2	53.9	10.8	35.7	7.3	16.8
		75	10.8	22.0	31.9	25.7	16.1	39.2	53.9	10.8	35.7	7.3	16.8

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
050-070	2	30	8.1	16.5	22.0	19.1	12.1	30.4	44.0	8.1	21.6	14.3	-
		40	8.9	16.7	23.6	20.2	12.2	34.1	46.1	8.9	22.3	15.0	-
		50	8.9	16.7	23.6	20.2	12.2	34.1	46.1	8.9	22.3	15.0	-
		60	11.6	22.1	33.5	26.1	15.6	38.7	50.7	11.6	32.1	7.1	13.9
		75	11.6	22.1	33.5	26.1	15.6	38.7	50.7	11.6	32.1	7.1	13.9
	4	3	8.1	16.5	22.0	19.1	12.1	26.2	36.5	8.1	18.6	9.9	-
		5	8.1	16.5	22.0	19.1	12.1	26.2	36.5	8.1	18.6	9.9	-
		7.5	8.1	16.5	22.0	19.1	12.1	25.8	37.3	8.1	17.3	12.0	-
		10	8.1	16.5	22.0	19.1	12.1	25.8	37.3	8.1	17.3	12.0	-
050-095	4	10	6.7	17.8	20.5	19.4	12.7	26.3	36.1	6.7	19.3	10.1	-
		15	6.7	17.8	20.5	19.4	12.7	30.4	42.4	6.7	23.6	12.1	-
		20	6.7	17.8	20.5	19.4	12.7	30.4	42.4	6.7	23.6	12.1	-
		25	6.7	17.8	20.5	19.4	12.7	31.0	42.4	6.7	23.6	12.1	-
		30	6.7	17.8	20.5	19.4	12.7	31.0	42.4	6.7	23.6	12.1	-
050-110	4	20	7.3	18.0	22.3	20.3	12.7	30.4	44.4	7.3	23.6	13.5	-
		25	7.3	18.0	22.3	20.3	12.7	31.0	44.4	7.3	23.6	13.5	-
		30	7.3	18.0	22.3	20.3	12.7	31.0	44.4	7.3	23.6	13.5	-
		40	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
		50	7.3	18.0	22.3	20.3	12.7	34.6	44.4	7.3	23.6	13.5	-
050-135	4	25	10.8	22.0	31.9	25.7	16.1	34.4	51.9	10.8	24.7	16.3	-
		30	10.8	22.0	31.9	25.7	16.1	34.4	51.9	10.8	24.7	16.3	-
		40	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		50	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	17.1	40.2	52.9	10.8	35.7	6.3	16.8
		75	10.8	22.0	31.9	25.7	17.1	40.2	52.9	10.8	35.7	6.3	16.8
060-095	4	20	10.8	22.0	31.9	25.7	16.1	33.9	46.9	10.8	22.1	13.9	-
		25	11.8	22.0	31.9	25.7	16.1	34.4	52.4	11.8	25.7	14.9	-
		30	11.8	22.0	31.9	25.7	16.1	34.4	52.4	11.8	25.7	14.9	-
		40	11.8	22.0	31.9	25.7	16.1	38.0	52.4	11.8	24.2	16.4	-
		50	11.8	22.0	31.9	25.7	16.1	38.0	52.4	11.8	24.2	16.4	-
060-110	4	30	10.8	22.0	31.9	25.7	16.1	34.4	51.9	10.8	24.7	16.3	-
		40	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		50	10.8	22.0	31.9	25.7	16.1	38.0	51.9	10.8	25.1	16.0	-
		60	10.8	22.0	31.9	25.7	16.1	39.2	53.9	10.8	35.7	7.3	16.8
		75	10.8	22.0	31.9	25.7	16.1	39.2	53.9	10.8	35.7	7.3	16.8
080-135	4	60	9.8	27.1	36.0	30.7	18.3	41.4	51.1	9.8	36.7	4.6	19.8
		75	9.8	27.1	36.0	30.7	18.3	41.4	51.1	9.8	36.7	4.6	19.8

Dimensions in mm

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
012-070	2	3	160	286	396	346	201	558	894	160	454	280	-
		5	160	286	396	346	201	558	894	160	454	280	-
		7.5	160	286	396	346	203	550	880	160	432	288	-
		10	160	286	396	346	203	550	880	160	432	288	-
		15	175	331	441	391	228	679	966	175	517	274	-
		20	175	331	441	391	228	679	966	175	517	274	-
	4	1.5	145	282	350	322	201	551	815	145	448	222	-
		2	145	282	350	322	201	551	815	145	448	222	-

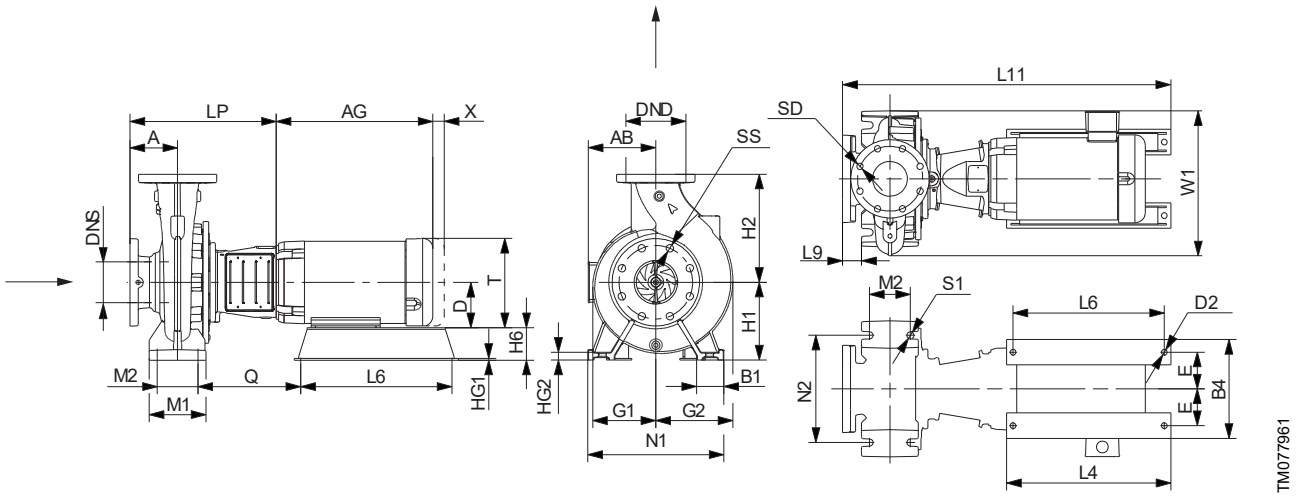
Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
015-070	2	5	160	286	396	346	201	558	894	160	454	280	-
		7.5	160	286	396	346	203	550	880	160	432	288	-
		10	160	286	396	346	203	550	880	160	432	288	-
		15	175	331	441	391	228	679	966	175	517	274	-
		20	175	331	441	391	228	679	966	175	517	274	-
	4	1.5	145	282	350	322	201	551	815	145	448	222	-
		2	145	282	350	322	201	551	815	145	448	222	-
		3	145	282	350	322	201	558	815	145	448	222	-
		5	145	282	350	322	201	558	815	145	448	222	-
015-090	2	15	165	376	486	436	246	697	1057	165	568	324	-
		20	165	376	486	436	246	697	1057	165	568	324	-
		25	185	376	460	426	260	725	1020	185	512	323	-
		30	185	376	460	426	260	725	1020	185	512	323	-
		40	205	420	580	510	300	857	1129	205	566	358	-
		50	205	420	580	510	300	857	1129	205	566	358	-
	4	1.5	150	372	440	412	246	596	689	150	384	155	-
		2	150	372	440	412	246	596	689	150	384	155	-
		3	150	372	440	412	246	603	842	150	454	238	-
		5	150	372	440	412	246	603	842	150	454	238	-
015-095	2	15	165	376	486	436	246	697	1057	165	568	324	-
		20	165	376	486	436	246	697	1057	165	568	324	-
		25	185	376	460	426	260	725	1020	185	512	323	-
		30	185	376	460	426	260	725	1020	185	512	323	-
		40	205	420	580	510	300	857	1129	205	566	358	-
		50	205	420	580	510	300	857	1129	205	566	358	-
	4	2	150	372	440	412	246	596	689	150	384	155	-
		3	150	372	440	412	246	603	842	150	454	238	-
		5	150	372	440	412	246	603	842	150	454	238	-
		7.5	150	372	440	412	246	593	828	150	432	246	-
		10	150	372	440	412	246	593	828	150	432	246	-
020-095	2	15	165	376	486	436	246	697	1068	165	594	309	-
		20	165	376	486	436	246	697	1068	165	594	309	-
		25	185	376	460	426	260	725	1031	185	544	302	-
		30	185	376	460	426	260	725	1031	185	544	302	-
		40	205	420	580	510	300	857	1119	205	592	322	-
		50	205	420	580	510	300	857	1119	205	592	322	-
		60	295	562	850	664	396	983	1326	295	845	186	397
		75	295	562	850	664	396	983	1326	295	845	186	397
	4	2	150	372	440	412	246	596	689	150	384	155	-
		3	150	372	440	412	246	603	842	150	454	238	-
		5	150	372	440	412	246	603	842	150	454	238	-
		7.5	150	372	440	412	246	593	828	150	432	246	-
		10	150	372	440	412	246	593	828	150	432	246	-
020-110	4	5	150	372	440	412	246	603	842	150	454	238	-
		7.5	150	372	440	412	246	593	828	150	432	246	-
		10	150	372	440	412	246	593	828	150	432	246	-
		15	150	372	440	412	246	697	986	150	548	289	-
		20	150	372	440	412	246	697	986	150	548	289	-
020-135	4	7.5	165	396	480	446	304	651	878	165	465	248	-
		10	165	396	480	446	304	651	878	165	465	248	-
		15	165	396	480	446	304	755	1036	165	574	298	-
		20	165	396	480	446	304	755	1036	165	574	298	-
		25	165	396	480	446	304	769	1042	165	570	307	-
		30	165	396	480	446	304	769	1042	165	570	307	-

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
025-070	2	7.5	195	335	475	413	244	591	937	195	448	294	-
		10	195	335	475	413	244	591	937	195	448	294	-
		15	195	335	475	413	246	697	1006	195	517	294	-
		20	195	335	475	413	246	697	1006	195	517	294	-
		25	190	380	520	458	265	730	1031	190	512	329	-
		30	190	380	520	458	265	730	1031	190	512	329	-
	4	1.5	180	331	427	387	244	594	743	180	384	179	-
		2	180	331	427	387	244	594	743	180	384	179	-
		3	180	331	427	387	244	601	894	180	454	260	-
		5	180	331	427	387	244	601	894	180	454	260	-
025-095	2	25	225	464	690	556	318	783	1093	225	544	324	-
		30	225	464	690	556	318	783	1093	225	544	324	-
		40	205	460	620	550	300	857	1118	205	592	321	-
		50	205	460	620	550	300	857	1118	205	592	321	-
		60	295	562	850	664	395	982	1326	295	845	186	397
		75	295	562	850	664	395	982	1326	295	845	186	397
	4	3	175	456	540	506	278	635	892	175	464	253	-
		5	175	456	540	506	278	635	892	175	464	253	-
		7.5	175	456	540	506	278	625	883	175	442	266	-
		10	175	456	540	506	278	625	883	175	442	266	-
025-110	4	7.5	205	420	560	484	308	655	950	205	486	259	-
		10	205	420	560	484	308	655	950	205	486	259	-
		15	205	420	560	484	308	759	1112	205	570	337	-
		20	205	420	560	484	308	759	1112	205	570	337	-
030-070	2	15	195	335	475	413	246	697	1006	195	517	294	-
		20	195	335	475	413	246	697	1006	195	517	294	-
		25	190	380	520	458	265	730	1031	190	512	329	-
		30	190	380	520	458	265	730	1031	190	512	329	-
		40	225	424	600	514	311	868	1171	225	566	380	-
		50	225	424	600	514	311	868	1171	225	566	380	-
	4	1.5	180	331	427	387	244	594	743	180	384	179	-
		2	180	331	427	387	244	594	743	180	384	179	-
		3	180	331	427	387	244	601	894	180	454	260	-
		5	180	331	427	387	244	601	894	180	454	260	-
030-095	2	40	205	460	620	550	300	857	1139	205	612	322	-
		50	205	460	620	550	300	857	1139	205	612	322	-
		60	295	562	850	664	395	982	1326	295	845	186	397
		75	295	562	850	664	395	982	1326	295	845	186	397
	4	5	175	456	540	506	278	635	873	175	486	212	-
		7.5	175	456	540	506	278	625	873	175	486	212	-
		10	175	456	540	506	278	625	873	175	486	212	-
		15	190	456	552	512	298	749	1066	190	568	309	-
		20	190	456	552	512	298	749	1066	190	568	309	-
030-110	4	10	175	456	540	506	278	625	888	175	465	248	-
		15	190	456	552	512	298	749	1071	190	574	308	-
		20	190	456	552	512	298	749	1071	190	574	308	-
030-135	4	15	185	456	566	516	322	773	1129	185	601	343	-
		20	185	456	566	516	322	773	1129	185	601	343	-
		25	185	456	566	516	322	787	1129	185	601	343	-
		30	185	456	566	516	322	787	1129	185	601	343	-
		40	185	456	566	516	322	879	1129	185	601	343	-
		50	185	456	566	516	322	879	1129	185	601	343	-

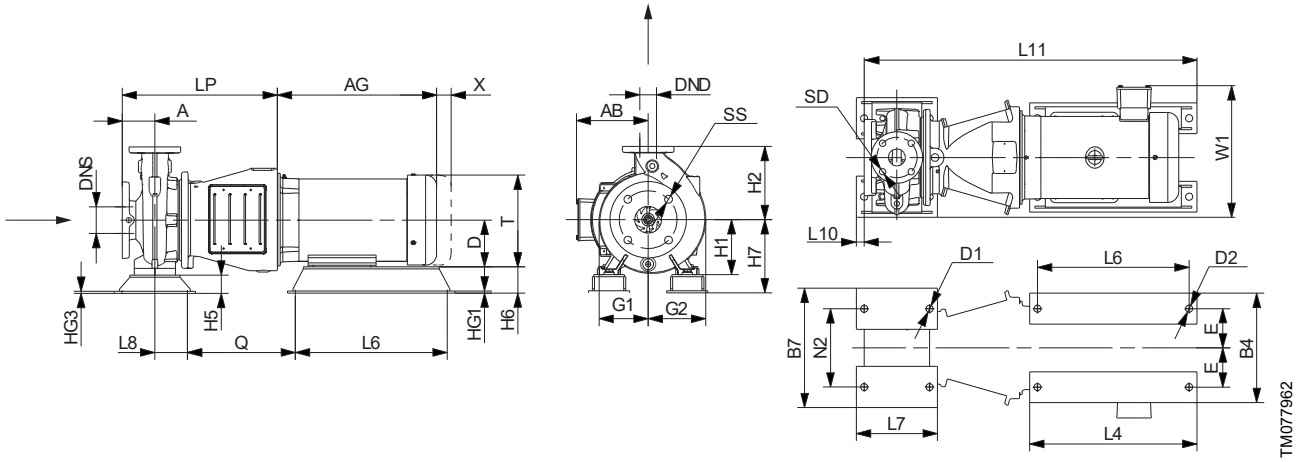
Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
040-070	2	20	190	396	480	446	259	710	1097	190	568	339	-
		25	180	396	492	452	275	740	1005	180	512	313	-
		30	180	396	492	452	275	740	1005	180	512	313	-
		40	225	424	600	514	310	867	1171	225	566	380	-
		50	225	424	600	514	310	867	1171	225	566	380	-
	4	2	160	392	460	432	246	596	843	160	448	235	-
		3	160	392	460	432	246	603	843	160	448	235	-
		5	160	392	460	432	246	603	843	160	448	235	-
		7.5	160	392	460	432	246	593	830	160	422	248	-
		10	160	392	460	432	246	593	830	160	422	248	-
040-095	2	75	295	562	850	664	396	983	1326	295	845	186	397
	4	7.5	175	456	540	506	304	651	873	175	486	212	-
		10	175	456	540	506	304	651	873	175	486	212	-
		15	175	456	540	506	304	755	1036	175	568	294	-
		20	175	456	540	506	304	755	1036	175	568	294	-
040-110	4	15	175	456	540	506	304	755	1046	175	574	298	-
		20	175	456	540	506	304	755	1046	175	574	298	-
		25	205	460	600	524	334	799	1112	205	570	337	-
		30	205	460	600	524	334	799	1112	205	570	337	-
040-135	4	20	185	456	566	516	322	773	1129	185	601	343	-
		25	185	456	566	516	322	787	1129	185	601	343	-
		30	185	456	566	516	322	787	1129	185	601	343	-
		40	185	456	566	516	322	879	1129	185	601	343	-
		50	185	456	566	516	322	879	1129	185	601	343	-
040-150	4	50	275	558	810	654	409	966	1319	275	637	407	-
		60	275	558	810	654	409	996	1368	275	908	185	426
		75	275	558	810	654	409	996	1368	275	908	185	426
050-070	2	30	205	420	560	484	308	773	1117	205	548	364	-
		40	225	424	600	514	310	867	1171	225	566	380	-
		50	225	424	600	514	310	867	1171	225	566	380	-
		60	295	562	850	664	395	982	1289	295	814	180	354
		75	295	562	850	664	395	982	1289	295	814	180	354
	4	3	205	420	560	484	308	665	928	205	472	251	-
		5	205	420	560	484	308	665	928	205	472	251	-
		7.5	205	420	560	484	308	655	947	205	438	304	-
		10	205	420	560	484	308	655	947	205	438	304	-
050-095	4	10	170	452	520	492	322	669	918	170	490	258	-
		15	170	452	520	492	322	773	1076	170	600	306	-
		20	170	452	520	492	322	773	1076	170	600	306	-
		25	170	452	520	492	322	787	1076	170	600	306	-
		30	170	452	520	492	322	787	1076	170	600	306	-
050-110	4	20	185	456	566	516	322	773	1129	185	601	343	-
		25	185	456	566	516	322	787	1129	185	601	343	-
		30	185	456	566	516	322	787	1129	185	601	343	-
		40	185	456	566	516	322	879	1129	185	601	343	-
		50	185	456	566	516	322	879	1129	185	601	343	-
050-135	4	25	275	558	810	654	409	874	1318	275	629	415	-
		30	275	558	810	654	409	874	1318	275	629	415	-
		40	275	558	810	654	409	966	1319	275	637	407	-
		50	275	558	810	654	409	966	1319	275	637	407	-
		60	275	558	810	654	434	1021	1343	275	908	160	426
		75	275	558	810	654	434	1021	1343	275	908	160	426

Pump size	Pole	P2 [hp]	A2	B1	B2	B3	H3	H4	L1	L2	L3	L4	L5
060-095	4	20	275	558	810	654	409	860	1190	275	561	354	-
		25	300	558	810	654	409	874	1330	300	652	378	-
		30	300	558	810	654	409	874	1330	300	652	378	-
		40	300	558	810	654	409	966	1330	300	614	416	-
		50	300	558	810	654	409	966	1330	300	614	416	-
060-110	4	30	275	558	810	654	409	874	1318	275	629	415	-
		40	275	558	810	654	409	966	1319	275	637	407	-
		50	275	558	810	654	409	966	1319	275	637	407	-
		60	275	558	810	654	409	996	1368	275	908	185	426
		75	275	558	810	654	409	996	1368	275	908	185	426
080-135	4	60	250	689	915	781	465	1052	1299	250	933	116	503
		75	250	689	915	781	465	1052	1299	250	933	116	503

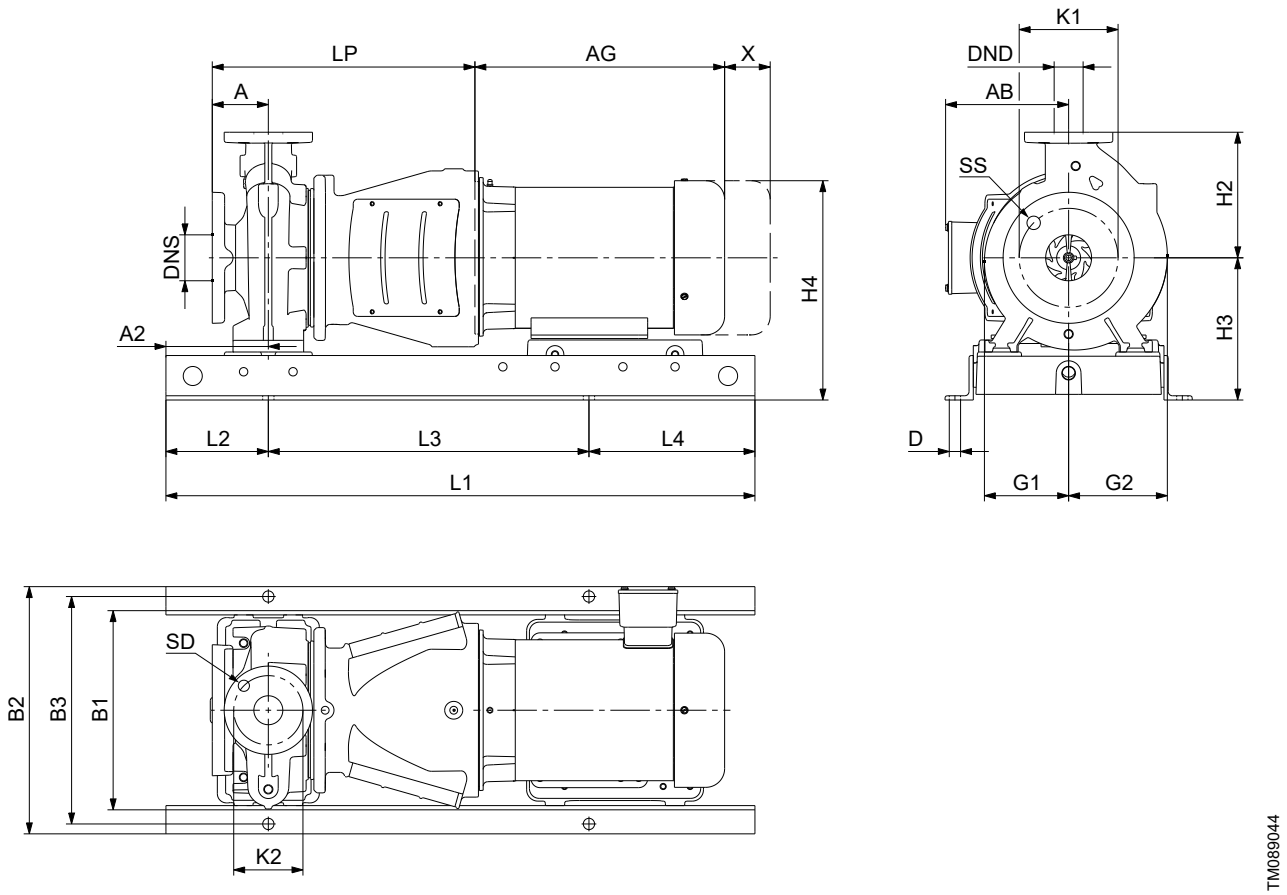
Dimensional drawings, NBS



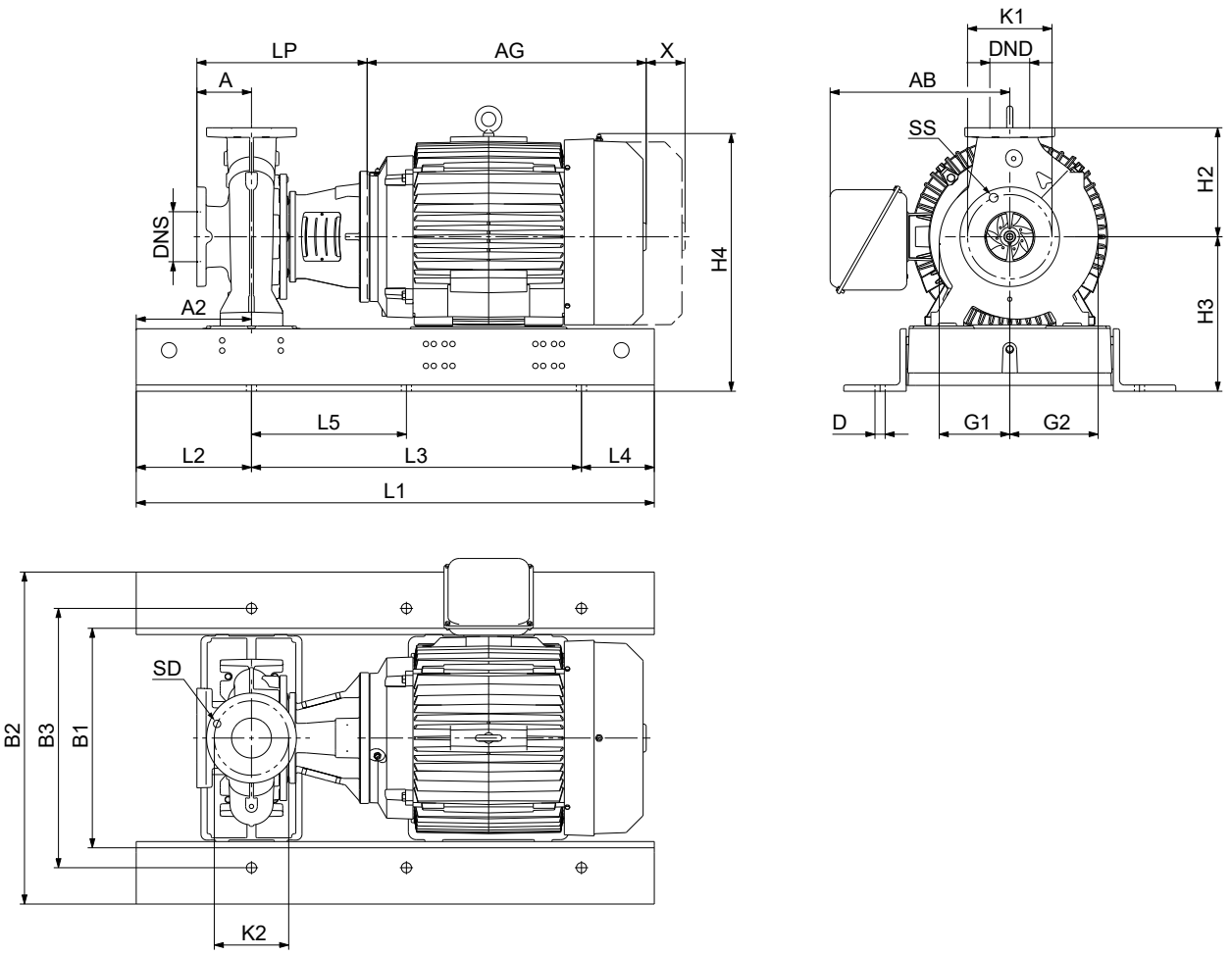
Mounting design B, center-line outlet



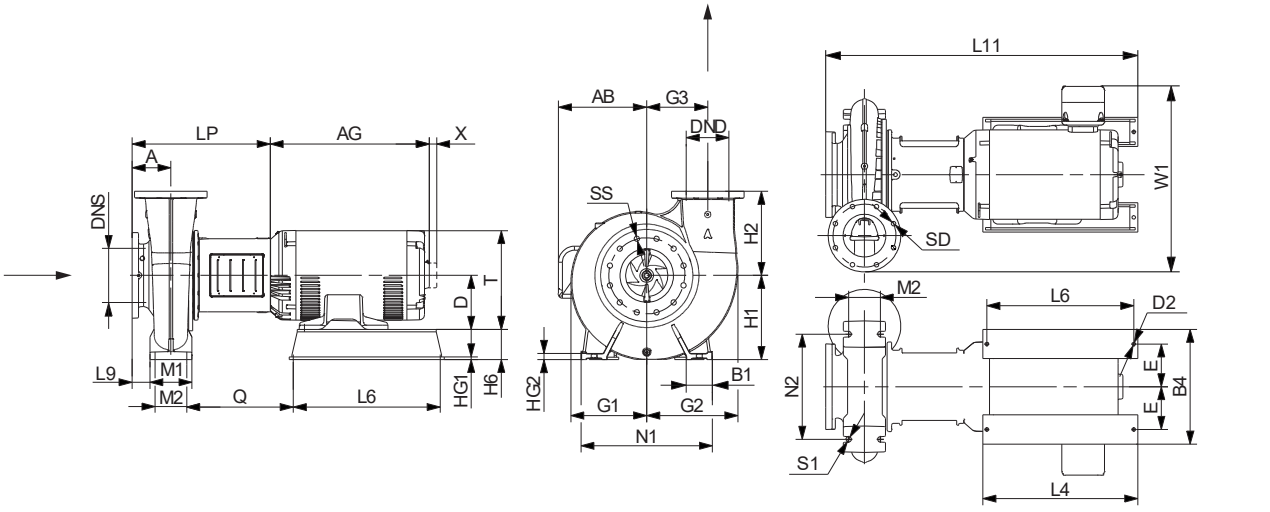
Mounting design C, center-line outlet



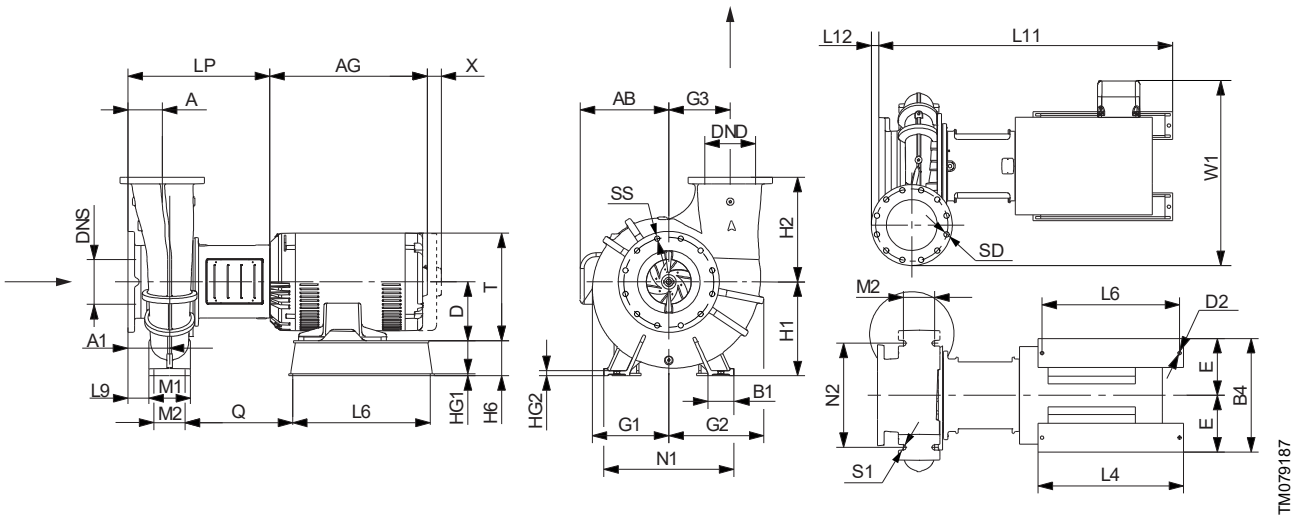
Mounting design F, center-line outlet, 4 mounting holes



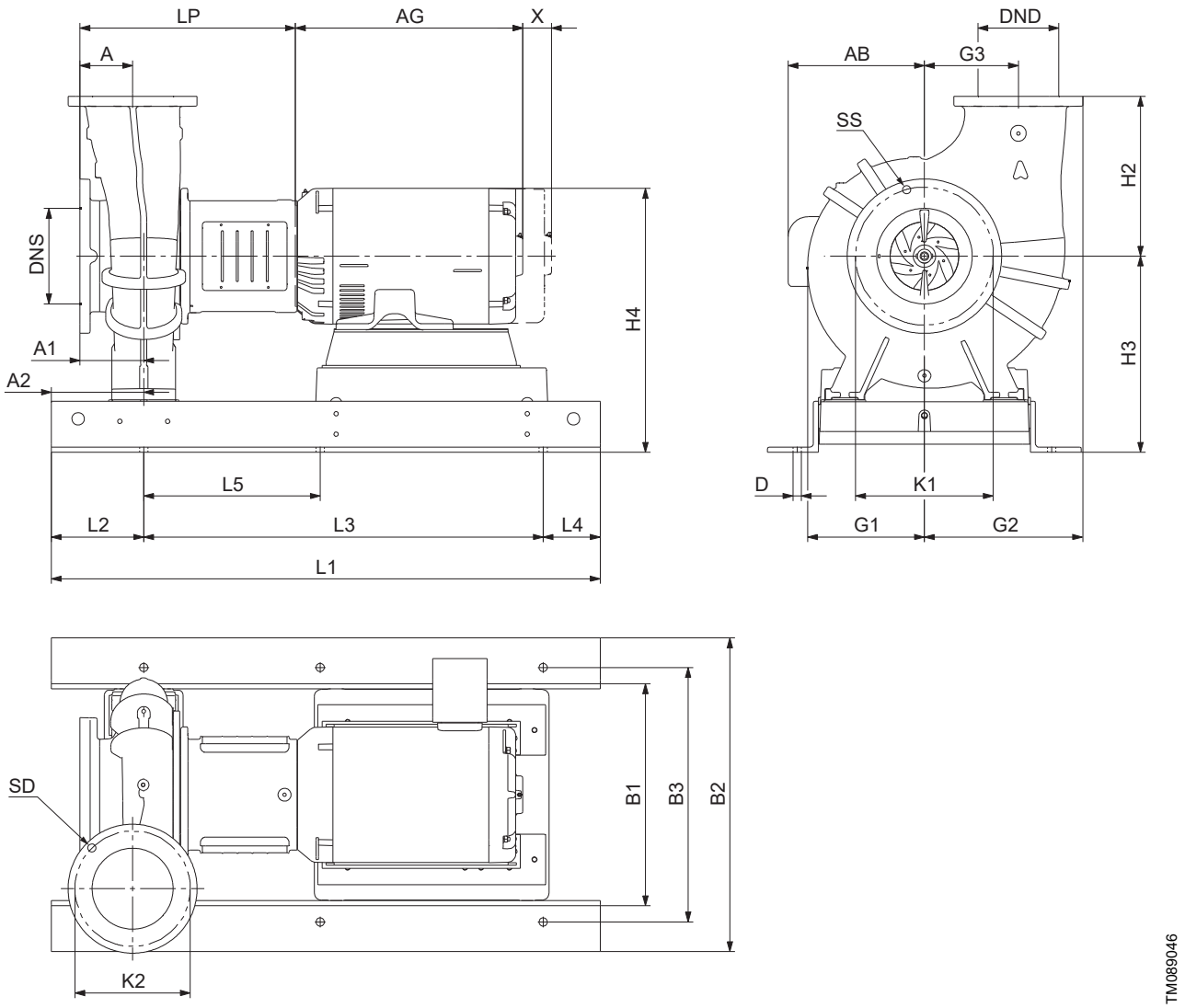
Mounting design F, center-line outlet, 6 mounting holes



Mounting design B, tangential outlet



Mounting design C, tangential outlet



Mounting design F, tangential outlet

Flange and bare pump dimensions

Dimensions in inch.

Pump size	DNS	DND	Flanges 175 PSI Class 125 [inch]				Flanges 363 PSI Class 300 [inch]				Bare pump dimensions [mm]												
			SS	SD	K1	K2	SS	SD	K1	K2	H1	H2	A	HG2	B1	N1	N2	M1	M2	S1	G1	G2	G3
012-070	2.0	1.3	4x3/4	4x5/8	4.8	3.5	8x3/4	4x3/4	5.0	3.9	5.3	7.0	3.1	0.6	2.0	9.5	7.5	3.9	2.8	M12	4.5	5.1	-
015-070	2.5	1.5	4x3/4	4x5/8	5.5	3.9	8x7/8	4x7/8	5.9	4.5	5.3	7.0	3.1	0.5	2.0	9.5	7.5	3.9	2.8	M12	4.7	5.5	-
015-090	2.5	1.5	4x3/4	4x5/8	5.5	3.9	8x7/8	4x7/8	5.9	4.5	7.0	9.0	4.0	0.7	2.6	12.6	9.8	4.9	3.7	M12	5.7	6.2	-
015-095	2.5	1.5	4x3/4	4x5/8	5.5	3.9	8x7/8	4x7/8	5.9	4.5	7.0	9.0	4.0	0.7	2.6	12.6	9.8	4.9	3.7	M12	5.9	6.7	-
020-095	2.5	2.0	4x3/4	4x3/4	5.5	4.8	8x7/8	8x3/4	5.9	5	7.0	9.0	4.0	0.8	2.6	12.6	9.8	4.9	3.7	M12	5.9	6.5	-
020-110	2.5	2.0	4x3/4	4x3/4	5.5	4.8	8x7/8	8x3/4	5.9	5	7.0	9.0	4.0	0.7	2.6	12.6	9.8	4.9	3.7	M12	6.4	7.0	-
020-135	3.0	2.0	4x3/4	4x3/4	6.0	4.8	8x7/8	8x3/4	6.6	5	9.0	11.0	5.0	0.7	2.6	13.6	11.0	4.9	3.7	M12	8.0	8.6	-
025-070	3.0	2.5	4x3/4	4x3/4	6.0	5.5	8x7/8	8x7/8	6.6	5.9	6.3	8.0	4.0	0.6	2.6	11.0	8.4	4.9	3.7	M12	4.7	5.6	-
025-095	3.0	2.5	4x3/4	4x3/4	6.0	5.5	8x7/8	8x7/8	6.6	5.9	8.0	10.0	4.0	0.9	3.2	14.2	11.0	6.3	4.7	M16	6.5	7.3	-
025-110	3.0	2.5	4x3/4	4x3/4	6.0	5.5	8x7/8	8x7/8	6.6	5.9	8.0	11.0	5.0	0.7	3.2	14.2	11.0	6.3	4.7	M16	6.9	7.7	-
030-070	4.0	3.0	8x3/4	4x3/4	7.5	6	8x7/8	8x7/8	7.9	6.6	6.3	9.0	4.0	0.7	2.6	11.0	8.4	4.9	3.7	M12	5.3	6.5	-
030-095	4.0	3.0	8x3/4	4x3/4	7.5	6	8x7/8	8x7/8	7.9	6.6	8.0	11.0	5.0	0.8	3.2	15.8	12.4	6.3	4.7	M16	6.1	8.2	-
030-110	4.0	3.0	8x3/4	4x3/4	7.5	6	8x7/8	8x7/8	7.9	6.6	8.0	12.5	5.0	0.8	3.2	15.8	12.4	6.3	4.7	M16	7.1	8.0	-
030-135	4.0	3.0	8x3/4	4x3/4	7.5	6	8x7/8	8x7/8	7.9	6.6	10.0	12.5	5.0	0.6	3.0	15.8	12.4	6.3	4.7	M16	8.2	9.4	-
040-070	5.0	4.0	8x7/8	8x3/4	8.5	7.5	8x7/8	8x7/8	9.3	7.9	7.0	10.0	5.0	0.7	2.6	13.6	11.0	4.9	3.7	M12	5.5	7.1	-
040-095	5.0	4.0	8x7/8	8x3/4	8.5	7.5	8x7/8	8x7/8	9.3	7.9	9.0	11.0	5.5	1.0	3.2	15.8	12.4	6.3	4.7	M16	7.1	8.9	-
040-110	5.0	4.0	8x7/8	8x3/4	8.5	7.5	8x7/8	8x7/8	9.3	7.9	9.0	12.5	5.5	0.8	3.2	15.8	12.4	6.3	4.7	M16	6.0	8.9	-
040-135	5.0	4.0	8x7/8	8x3/4	8.5	7.5	8x7/8	8x7/8	9.3	7.9	10.0	12.5	5.5	0.9	3.2	15.8	12.4	6.3	4.7	M16	8.1	9.6	-
040-150	5.0	4.0	8x7/8	8x3/4	8.5	7.5	8x7/8	8x7/8	9.3	7.9	11.0	14.0	5.5	0.7	3.9	19.7	15.8	7.9	5.9	M20	10.4	11.7	-
050-070	6.0	5.0	8x7/8	8x7/8	9.5	8.5	12x7/8	8x7/8	10.6	9.3	8.0	11.0	5.0	0.7	3.2	14.2	11.0	6.3	4.7	M16	6.4	8.5	-
050-095	6.0	5.0	8x7/8	8x7/8	9.5	8.5	12x7/8	8x7/8	10.6	9.3	10.0	14.0	5.5	1.1	3.2	15.8	12.4	6.3	4.7	M16	7.2	9.3	-
050-110	6.0	5.0	8x7/8	8x7/8	9.5	8.5	12x7/8	8x7/8	10.6	9.3	10.0	14.0	5.5	0.9	3.4	16.0	12.4	6.3	4.7	M16	8.1	10.0	-
050-135	6.0	5.0	8x7/8	8x7/8	9.5	8.5	12x7/8	8x7/8	10.6	9.3	11.0	14.0	5.5	0.9	3.9	19.7	15.8	7.9	5.9	M20	8.8	10.6	-
050-150	6.0	5.0	8x7/8	8x7/8	9.5	8.5	12x7/8	8x7/8	10.6	9.3	12.5	15.8	5.5	1.0	3.9	19.7	15.8	7.9	5.9	M20	10.9	12.9	-
060-095	8.0	6.0	8x7/8	8x7/8	11.8	9.5	12x1	12x7/8	13.0	10.6	11.0	14.8	6.3	0.7	3.9	19.7	15.8	7.9	5.9	M20	9.1	11.8	-
060-110	8.0	6.0	8x7/8	8x7/8	11.8	9.5	12x1	12x7/8	13.0	10.6	11.0	14.8	6.3	0.9	3.9	19.7	15.8	7.9	5.9	M20	8.8	11.3	-
060-135	8.0	6.0	8x7/8	8x7/8	11.8	9.5	12x1	12x7/8	13.0	10.6	11.0	15.8	6.3	0.9	3.9	21.7	17.7	7.9	5.9	M20	10.0	12.4	-
060-150	8.0	6.0	8x7/8	8x7/8	11.8	9.5	12x1	12x7/8	13.0	10.6	12.5	17.8	6.3	0.9	3.9	21.7	17.7	7.9	5.9	M20	11.3	14.0	-
080-135	10.0	8.0	12x1	8x7/8	14.3	11.8	16x1 1/8	12x1	15.3	13	13.8	14.0	6.3	1.1	4.9	24.6	19.7	7.9	5.9	M20	12.4	17.2	10.4
080-150	10.0	8.0	12x1	8x7/8	14.3	11.8	16x1 1/8	12x1	15.3	13	15.8	15.8	7.3	1.1	4.9	24.6	19.7	7.9	5.9	M20	14.2	18.2	11.4
100-150	12.0	10.0	12x1	12x1	17.0	14.3	16x1 1/4	16x1 1/8	17.7	15.3	17.8	19.8	6.5	0.9	4.9	24.6	19.7	7.9	5.9	M20	14.5	19.6	11.6

Dimensions in mm.

Pump size	DNS	DND	Flanges 175 PSI Class 125 [mm]				Flanges 363 PSI Class 300 [mm]				Bare pump dimensions [mm]												
			SS	SD	K1	K2	SS	SD	K1	K2	H1	H2	A	HG2	B1	N1	N2	M1	M2	S1	G1	G2	G3
012-070	50	32	4x19	4x16	121	89	8x19	4x19	127	98	133	178	79	15	50	240	190	100	70	M12	115	129	-
015-070	64	38	4x19	4x16	140	98	8x22.3	4x22.3	149	114	133	178	79	13	50	240	190	100	70	M12	119	140	-
015-090	64	38	4x19	4x16	140	98	8x22.3	4x22.3	149	114	178	229	102	18	65	320	250	125	95	M12	145	158	-
015-095	64	38	4x19	4x16	140	98	8x22.3	4x22.3	149	114	178	229	102	18	65	320	250	125	95	M12	151	170	-
020-095	64	51	4x19	4x19	140	121	8x22.3	8x19	149	127	178	229	102	20	65	320	250	125	95	M12	150	165	-
020-110	64	51	4x19	4x19	140	121	8x22.3	8x19	149	127	178	229	102	18	65	320	250	125	95	M12	163	177	-
020-135	76	51	4x19	4x19	152	121	8x22.3	8x19	168	127	229	279	127	18	65	345	280	125	95	M12	204	218	-
025-070	76	64	4x19	4x19	152	140	8x22.3	8x22.3	168	149	159	203	102	15	65	280	212	125	95	M12	120	142	-
025-095	76	64	4x19	4x19	152	140	8x22.3	8x22.3	168	149	203	254	102	23	80	360	280	160	120	M16	164	187	-
025-110	76	64	4x19	4x19	152	140	8x22.3	8x22.3	168	149	203	279	127	18	80	360	280	160	120	M16	176	196	-
030-070	102	76	8x19	4x19	191	152	8x22.3	8x22.3	200	168	159	229	102	18	65	280	212	125	95	M12	135	165	-
030-095	102	76	8x19	4x19	191	152	8x22.3	8x22.3	200	168	203	279	127	20	80	400	315	160	120	M16	155	209	-
030-110	102	76	8x19	4x19	191	152	8x22.3	8x22.3	200	168	203	318	127	20	80	400	315	160	120	M16	180	204	-
030-135	102	76	8x19	4x19	191	152	8x22.3	8x22.3	200	168	254	318	127	15	76	400	315	160	120	M16	208	239	-
040-070	127	102	8x22.3	8x19	216	191	8x22.3	8x22.3	235	200	178	254	127	18	65	345	280	125	95	M12	140	181	-
040-095	127	102	8x22.3	8x19	216	191	8x22.3	8x22.3	235	200	229	279	140	25	80	400	315	160	120	M16	181	226	-
040-110	127	102	8x22.3	8x19	216	191	8x22.3	8x22.3	235	200	229	318	140	20	80	400	315	160	120	M16	153	226	-
040-135	127	102	8x22.3	8x19	216	191	8x22.3	8x22.3	235	200	254	318	140	23	80	400	315	160	120	M16	206	244	-
040-150	127	102	8x22.3	8x19	216	191	8x22.3	8x22.3	235	200	279	356	140	18	100	500	400	200	150	M20	265	298	-
050-070	152	127	8x22.3	8x22.3	241	216	12x22.3	8x22.3	270	235	203	279	127	18	80	360	280	160	120	M16	162	215	-
050-095	152	127	8x22.3	8x22.3	241	216	12x22.3	8x22.3	270	235	254	356	140	28	80	400	315	160	120	M16	183	236	-
050-110	152	127	8x22.3	8x22.3	241	216	12x22.3	8x22.3	270	235	254	356	140	23	86	406	315	160	120	M16	207	254	-
050-135	152	127	8x22.3	8x22.3	241	216	12x22.3	8x22.3	270	235	279	356	140	23	100	500	400	200	150	M20	223	270	-
050-150	152	127	8x22.3	8x22.3	241	216	12x22.3	8x22.3	270	235	318	400	140	25	100	500	400	200	150	M20	277	326	-
060-095	203	152	8x22.3	8x22.3	299	241	12x25.4	12x22.3	330	270	279	375	159	18	100	500	400	200	150	M20	230	300	-
060-110	203	152	8x22.3	8x22.3	299	241	12x25.4	12x22.3	330	270	279	375	159	23	100	500	400	200	150	M20	223	287	-
060-135	203	152	8x22.3	8x22.3	299	241	12x25.4	12x22.3	330	270	279	400	159	23	100	550	450	200	150	M20	255	314	-
060-150	203	152	8x22.3	8x22.3	299	241	12x25.4	12x22.3	330	270	318	451	159	23	100	550	450	200	150	M20	288	356	-
080-135	254	203	12x25.4	8x22.3	362	299	16x28.4	12x25.4	387	330	349	356	159	28	125	625	500	200	150	M20	314	438	265
080-150	254	203	12x25.4	8x22.3	362	299	16x28.4	12x25.4	387	330	400	400	184	28	125	625	500	200	150	M20	361	463	290
100-150	305	254	12x25.4	12x25.4	432	362	16x31.7	16x28.4	451	387	451	502	165	23	125	625	500	200	150	M20	367	498	295

Dimensions for NBS pumps with TEFC motors and support rails

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
012-070	2	3	14.6	9.5	4.5	3.8	8.7	5.9	15.5	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	9.5	4.5	3.8	8.7	5.9	15.5	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	10.4	5.3	4.3	10.3	7.4	17.4	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		7.5	14.6	10.4	5.3	4.3	10.3	7.4	17.4	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		15	14.6	10.4	5.3	4.3	10.3	7.4	17.4	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		15	14.6	10.2	6.3	5.0	12.9	9.6	19.5	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
		15	14.6	10.2	6.3	5.0	12.9	9.6	19.5	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
	4	1	13.3	7.8	3.5	2.8	6.9	5.3	11.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1	13.3	7.8	3.5	2.8	6.9	5.3	11.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1	13.3	7.8	3.5	2.8	6.9	5.3	11.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1.5	13.3	7.8	3.5	2.8	6.9	5.3	11.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
015-070	2	5	14.6	9.5	4.5	3.8	8.7	5.9	15.5	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	10.4	5.3	4.3	10.3	7.4	17.4	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		10	14.6	10.4	5.3	4.3	10.3	7.4	17.4	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		15	14.6	10.2	6.3	5.0	12.9	9.6	19.5	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
		20	14.6	10.2	6.3	5.0	12.9	9.6	19.5	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
	4	1	13.3	7.8	3.5	2.8	6.9	5.3	11.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1	13.3	7.8	3.5	2.8	6.9	5.3	11.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1.5	13.3	7.8	3.5	2.8	6.9	5.3	11.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		2	13.3	7.8	3.5	2.8	6.9	5.3	11.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		3	14.6	9.5	4.5	3.8	8.7	5.9	15.5	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
015-090	2	15	17.1	12.1	6.3	5.0	12.9	9.6	19.5	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		20	17.1	12.1	6.3	5.0	12.9	9.6	19.5	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	15.4	10.2	7.0	5.5	14.6	13.1	21.8	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		30	15.4	10.2	7.0	5.5	14.6	13.1	21.8	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		40	16.3	11.4	8.0	6.3	16.5	14.1	25.3	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
	4	1.5	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		2	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		3	15.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
015-095	2	15	17.1	12.1	6.3	5.0	12.9	9.6	19.5	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		20	17.1	12.1	6.3	5.0	12.9	9.6	19.5	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	15.4	10.2	7.0	5.5	14.6	13.1	21.8	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		30	15.4	10.2	7.0	5.5	14.6	13.1	21.8	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		40	16.3	11.4	8.0	6.3	16.5	14.1	25.3	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
		50	16.3	11.4	8.0	6.3	16.5	14.1	25.3	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
	4	2	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		3	15.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
020-095	2	15	17.5	12.5	6.3	5.0	12.9	9.6	19.5	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		20	17.5	12.5	6.3	5.0	12.9	9.6	19.5	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	15.9	10.6	7.0	5.5	14.6	13.1	21.8	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		30	15.9	10.6	7.0	5.5	14.6	13.1	21.8	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		40	16.8	11.8	8.0	6.3	16.5	14.1	25.3	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
		50	16.8	11.8	8.0	6.3	16.5	14.1	25.3	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
		60	16.8	12.3	9.0	7.0	18.5	18.1	27.8	9.0	3.8	13.8	3.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		60	16.8	12.3	9.0	7.0	18.5	18.1	27.8	9.0	3.8	13.8	3.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
	4	2	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		3	15.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
020-110	4	5	15.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		10	15.5	11.7	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		15	15.5	11.5	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.3	18.8	12.0	0.8	0.4
020-135	4	7.5	17.6	12.7	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		10	17.6	12.7	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		15	17.6	13.3	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	17.6	13.3	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		25	18.9	15.1	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
025-070	2	7.5	15.5	9.9	5.3	4.3	10.3	7.4	17.4	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		10	15.5	9.9	5.3	4.3	10.3	7.4	17.4	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		15	17.1	9.8	6.3	5.0	12.9	9.6	19.5	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		20	17.1	9.8	6.3	5.0	12.9	9.6	19.5	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		25	15.4	10.1	7.0	5.5	14.6	13.1	21.8	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
		30	15.4	10.1	7.0	5.5	14.6	13.1	21.8	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
	4	1	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		1.5	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		2	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		3	15.5	9.1	4.5	3.8	8.7	5.9	15.5	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		5	15.5	9.1	4.5	3.8	8.7	5.9	15.5	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
025-095	2	25	15.9	11.9	7.0	5.5	14.6	13.1	21.8	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		30	15.9	11.9	7.0	5.5	14.6	13.1	21.8	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		40	16.8	11.1	8.0	6.3	16.5	14.1	25.3	10.5	4.5	15.0	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		50	16.8	11.1	8.0	6.3	16.5	14.1	25.3	10.5	4.5	15.0	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		60	16.8	11.6	9.0	7.0	18.5	18.1	27.8	10.5	4.5	15.9	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		75	16.8	11.6	9.0	7.0	18.5	18.1	27.8	10.5	4.5	15.9	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		75	16.8	11.6	9.0	7.0	18.5	18.1	27.8	10.5	4.5	15.9	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
	4	3	15.5	10.4	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		5	15.5	10.4	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	15.5	11.3	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	15.5	11.3	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
	6	1	14.2	8.7	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.5	13.0	8.5	4.5	0.2
		1.5	15.5	10.4	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		2	15.5	10.4	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		3	15.5	11.3	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
025-110	4	7.5	17.6	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	17.6	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.6	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
	6	2	17.6	11.4	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		3	17.6	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		5	17.6	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
030-070	2	15	17.1	9.8	6.3	5.0	12.9	9.6	19.5	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		20	17.1	9.8	6.3	5.0	12.9	9.6	19.5	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		25	15.4	10.1	7.0	5.5	14.6	13.1	21.8	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
		30	15.4	10.1	7.0	5.5	14.6	13.1	21.8	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
		40	16.3	11.4	8.0	6.3	16.5	14.1	25.3	9.0	3.8	12.3	2.8	9.0	0.2	23.5	22.0	15.5	1.0	0.5
	4	1.5	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		2	14.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		3	15.5	9.1	4.5	3.8	8.7	5.9	15.5	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		5	15.5	9.1	4.5	3.8	8.7	5.9	15.5	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
030-095	2	40	18.5	11.8	8.0	6.3	16.5	14.1	25.3	10.5	4.5	16.3	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		50	18.5	11.8	8.0	6.3	16.5	14.1	25.3	10.5	4.5	16.3	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		60	18.5	12.3	9.0	7.0	18.5	18.1	27.8	10.5	4.5	17.3	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		75	18.5	12.3	9.0	7.0	18.5	18.1	27.8	10.5	4.5	17.3	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		100	18.5	13.3	10.0	8.0	21.3	19.3	31.0	10.0	4.3	17.3	3.0	11.0	0.2	27.5	26.0	19.9	1.0	0.5
		125	19.1	13.5	11.0	9.0	24.2	22.7	36.6	10.0	4.3	16.3	4.0	12.0	0.2	29.5	28.0	21.9	1.0	0.5
	4	5	17.3	11.1	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	17.3	12.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	17.3	12.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.3	12.6	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
	6	1.5	17.3	11.1	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		2	17.3	11.1	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		3	17.3	12.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		5	17.3	12.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
030-110	4	10	17.6	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.6	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		20	17.6	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
	6	3	17.6	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		5	17.6	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		7.5	17.6	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
030-135	4	15	17.6	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		20	17.6	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	18.9	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	18.9	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		40	19.9	16.0	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3
	6	5	17.6	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		7.5	17.6	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		10	17.6	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		15	18.9	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
040-070	2	20	18.1	12.1	6.3	5.0	12.9	9.6	19.5	8.8	3.6	14.0	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	16.4	10.2	7.0	5.5	14.6	13.1	21.8	8.8	3.6	14.0	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		30	16.4	10.2	7.0	5.5	14.6	13.1	21.8	8.8	3.6	14.0	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		40	17.3	11.4	8.0	6.3	16.5	14.1	25.3	9.0	3.8	15.0	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
		50	17.3	11.4	8.0	6.3	16.5	14.1	25.3	9.0	3.8	15.0	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
	4	2	15.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		3	16.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	16.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	16.5	11.7	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
	6	0.75	15.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		1	15.2	9.1	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		1.5	16.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		2	16.5	10.8	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
040-095	2	60	19.0	12.3	9.0	7.0	18.5	18.1	27.8	10.5	4.5	16.3	1.0	10.0	0.5	24.5	23.0	17.0	1.0	0.5
		75	19.0	12.3	9.0	7.0	18.5	18.1	27.8	10.5	4.5	16.3	1.0	10.0	0.5	24.5	23.0	17.0	1.0	0.5
		100	19.0	13.1	10.0	8.0	21.3	19.3	31.0	10.5	4.5	17.3	2.0	11.0	0.2	27.5	26.0	19.9	1.0	0.5
		125	19.6	13.5	11.0	9.0	24.2	22.7	36.6	10.0	4.3	17.3	3.0	12.0	0.2	29.5	28.0	21.9	1.0	0.5
	4	7.5	17.8	12.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		10	17.8	12.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		15	17.8	12.6	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	17.8	12.6	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
	6	2	17.8	11.1	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	15.3	13.8	10.5	4.5	0.2
		3	17.8	12.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		5	17.8	12.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		7.5	17.8	12.6	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
040-110	4	15	18.1	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	18.1	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		25	19.4	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
		30	19.4	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
	6	3	18.1	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		5	18.1	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		7.5	18.1	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		10	18.1	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
040-135	4	20	18.1	12.9	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	19.4	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	19.4	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		40	20.4	16.0	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3
		50	20.4	16.0	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3
	6	5	18.1	12.3	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		7.5	18.1	12.9	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		10	18.1	12.9	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		15	19.4	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
040-150	4	50	21.5	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		60	21.5	17.1	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		75	21.5	17.1	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		100	23.0	18.6	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.5	26.0	19.9	1.0	0.5
		125	25.0	18.2	11.0	9.0	24.2	22.7	36.6	11.5	5.0	19.7	1.0	12.0	0.5	29.5	28.0	21.9	1.0	0.5
		150	25.0	18.2	11.0	9.0	24.2	22.7	36.6	11.5	5.0	19.7	1.0	12.0	0.5	29.5	28.0	21.9	1.0	0.5
	6	15	20.9	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		20	20.9	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		25	21.5	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		30	21.5	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		40	21.5	17.1	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
050-070	2	25	16.4	11.4	7.0	5.5	14.6	13.1	21.8	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		30	16.4	11.4	7.0	5.5	14.6	13.1	21.8	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		40	17.3	10.6	8.0	6.3	16.5	14.1	25.3	10.5	4.5	15.0	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		50	17.3	10.6	8.0	6.3	16.5	14.1	25.3	10.5	4.5	15.0	1.0	9.0	0.0	23.5	22.0	15.5	1.0	0.5
		60	17.3	11.1	9.0	7.0	18.5	18.1	27.8	10.5	4.5	15.9	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		75	17.3	11.1	9.0	7.0	24.2	18.1	27.8	10.5	4.5	15.9	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
	4	3	16.5	10.3	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		5	16.5	10.3	4.5	3.8	24.2	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	16.5	11.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	16.5	11.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
	6	0.75	15.2	8.6	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.5	13.0	8.5	4.5	0.2
		1	15.2	8.6	3.5	2.8	6.9	5.3	11.3	-	-	-	-	-	-	14.5	13.0	8.5	4.5	0.2
		1.5	16.5	10.3	4.5	3.8	8.7	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		2	16.5	10.3	4.5	3.8	24.2	5.9	15.5	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		3	16.5	11.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
050-095	4	10	19.8	14.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		15	19.8	14.6	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		20	19.8	14.6	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	20.3	15.5	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	20.3	15.5	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
	6	3	19.8	14.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	17.5	16.0	11.5	3.0	0.2
		5	19.8	14.0	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		7.5	19.8	14.6	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		10	19.8	14.6	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
050-110	4	20	18.1	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	19.4	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	19.4	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		40	20.4	16.0	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3
	6	5	18.1	12.2	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		7.5	18.1	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		10	18.1	12.8	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		15	19.4	14.6	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
050-135	4	25	20.9	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		30	20.9	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		40	21.5	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		50	21.5	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		60	21.5	17.1	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		75	21.5	17.1	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
	6	10	20.3	14.4	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		15	20.9	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		20	20.9	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
050-150	4	75	21.5	17.2	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		100	23.0	19.1	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
		125	25.0	20.2	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
		150	25.0	20.2	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
	6	25	21.5	16.6	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	23.8	22.3	16.7	4.5	0.3
		30	21.5	16.6	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	23.8	22.3	16.7	4.5	0.3
		40	21.5	17.2	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		50	21.5	17.2	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		60	23.0	19.1	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
060-095	4	15	20.6	14.0	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		20	20.6	14.0	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		25	21.1	14.9	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		30	21.1	14.9	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		40	21.7	15.9	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
	6	5	20.6	13.4	5.3	4.3	10.3	7.4	17.4	-	-	-	-	-	-	17.5	16.0	11.5	5.8	0.2
		7.5	20.6	14.0	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		10	20.6	14.0	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		15	21.1	14.9	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
060-110	4	30	21.6	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		40	22.3	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		50	22.3	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		60	22.3	17.1	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
	6	7.5	21.0	14.4	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		10	21.0	14.4	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		15	21.6	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		20	21.6	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
060-135	4	40	22.3	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		50	22.3	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		60	22.3	17.1	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		75	22.3	17.1	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		100	23.8	18.6	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.5	26.0	19.9	1.0	0.5
		125	25.8	18.2	11.0	9.0	24.2	22.7	36.6	11.5	5.0	21.7	1.0	12.0	0.5	29.5	28.0	21.9	1.0	0.5
	6	10	21.0	14.4	6.3	5.0	12.9	9.6	19.5	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		15	21.6	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		20	21.6	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		25	22.3	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		30	22.3	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
060-150	4	125	25.6	20.0	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
		150	25.6	20.0	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
		200	25.6	20.0	11.0	9.0	24.2	22.7	45.0	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
	6	40	24.6	19.6	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		50	24.6	19.6	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		60	24.6	20.0	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
		75	24.6	20.0	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
		100	25.6	20.0	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [inch]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
080-135	4	60	22.3	17.1	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3
		75	22.3	17.1	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3
		100	23.8	19.2	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	26.3	24.8	20.2	3.8	0.3
		125	25.8	20.0	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	31.8	30.3	23.5	2.8	0.5
		150	25.8	20.0	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	31.8	30.3	23.5	2.8	0.5
	6	15	21.6	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	6.8	0.3
		20	21.6	15.4	7.0	5.5	14.6	13.1	23.4	-	-	-	-	-	-	22.8	21.3	15.2	6.8	0.3
		25	22.3	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	5.8	0.3
		30	22.3	16.5	8.0	6.3	16.5	14.1	25.3	-	-	-	-	-	-	24.3	22.8	16.7	5.8	0.3
		40	22.3	17.1	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3
		50	22.3	17.1	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3
080-150	4	125	26.6	19.8	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.8	36.3	23.5	4.8	0.5
		150	26.6	19.8	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.8	36.3	23.5	4.8	0.5
		200	26.6	19.8	11.0	9.0	24.2	22.7	45.0	-	-	-	-	-	-	37.8	36.3	23.5	4.8	0.5
	6	40	25.6	19.3	9.0	7.0	18.5	18.1	27.6	-	-	-	-	-	-	25.8	24.3	18.5	6.8	0.5
		50	25.6	19.3	9.0	7.0	18.5	18.1	27.8	-	-	-	-	-	-	25.8	24.3	18.5	6.8	0.5
		60	25.6	20.0	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.5	26.0	21.5	5.8	0.5
		75	25.6	20.0	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.5	26.0	21.5	5.8	0.5
100-150	4	150	26.6	20.2	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.5	36.0	23.5	4.8	0.5
		200	26.2	20.2	11.0	9.0	24.2	22.7	36.6	-	-	-	-	-	-	37.5	36.0	23.5	6.8	0.5
	6	50	26.2	19.8	11.0	7.0	24.2	22.7	45.0	-	-	-	-	-	-	25.5	24.0	18.2	6.8	0.5
		60	25.2	20.3	9.0	8.0	18.5	18.1	27.8	-	-	-	-	-	-	27.5	26.0	21.5	8.8	0.3
		75	25.2	20.3	10.0	8.0	21.3	19.3	31.0	-	-	-	-	-	-	27.5	26.0	21.5	7.8	0.5
		100	25.2	20.2	10.0	9.0	21.3	19.3	31.0	-	-	-	-	-	-	37.5	36.0	23.5	7.8	0.5

012-070	2	3	14.6	9.5	4.5	3.8	8.7	5.9	15.5		
		7.5	14.6	9.5	4.5	3.8	8.7	5.9	15.5		
		7.5	14.6	10.4	5.3	4.3	10.3	7.4	17.4		
		7.5	14.6	10.4	5.3	4.3	10.3	7.4	17.4		
		15	14.6	10.4	5.3	4.3	10.3	7.4	17.4		
		15	14.6	10.2	6.3	5.0	12.9	9.6	19.5		
		15	14.6	10.2	6.3	5.0	12.9	9.6	19.5		
	4	1	13.3	7.8	3.5	2.8	6.9	5.3	11.3		
		1	13.3	7.8	3.5	2.8	6.9	5.3	11.3		
		1	13.3	7.8	3.5	2.8	6.9	5.3	11.3		
		1.5	13.3	7.8	3.5	2.8	6.9	5.3	11.3		
015-070	2	5	14.6	9.5	4.5	3.8	8.7	5.9	15.5		
		7.5	14.6	10.4	5.3	4.3	10.3	7.4	17.4		
		10	14.6	10.4	5.3	4.3	10.3	7.4	17.4		
		15	14.6	10.2	6.3	5.0	12.9	9.6	19.5		
		20	14.6	10.2	6.3	5.0	12.9	9.6	19.5		
	4	1	13.3	7.8	3.5	2.8	6.9	5.3	11.3		
		1	13.3	7.8	3.5	2.8	6.9	5.3	11.3		
		1.5	13.3	7.8	3.5	2.8	6.9	5.3	11.3		
		2	13.3	7.8	3.5	2.8	6.9	5.3	11.3		
		3	14.6	9.5	4.5	3.8	8.7	5.9	15.5		

015-090	2	15	17.1	12.1	6.3	5.0	12.9	9.6	
		20	17.1	12.1	6.3	5.0	12.9	9.6	
		25	15.4	10.2	7.0	5.5	14.6	13.1	
		30	15.4	10.2	7.0	5.5	14.6	13.1	
		40	16.3	11.4	8.0	6.3	16.5	14.1	
	4	1.5	14.2	9.1	3.5	2.8	6.9	5.3	
		2	14.2	9.1	3.5	2.8	6.9	5.3	
		3	15.5	10.8	4.5	3.8	8.7	5.9	
		5	15.5	10.8	4.5	3.8	8.7	5.9	
015-095	2	15	17.1	12.1	6.3	5.0	12.9	9.6	
		20	17.1	12.1	6.3	5.0	12.9	9.6	
		25	15.4	10.2	7.0	5.5	14.6	13.1	
		30	15.4	10.2	7.0	5.5	14.6	13.1	
		40	16.3	11.4	8.0	6.3	16.5	14.1	
		50	16.3	11.4	8.0	6.3	16.5	14.1	
	4	2	14.2	9.1	3.5	2.8	6.9	5.3	
		3	15.5	10.8	4.5	3.8	8.7	5.9	
		5	15.5	10.8	4.5	3.8	8.7	5.9	
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	
020-095	2	15	17.5	12.5	6.3	5.0	12.9	9.6	
		20	17.5	12.5	6.3	5.0	12.9	9.6	
		25	15.9	10.6	7.0	5.5	14.6	13.1	
		30	15.9	10.6	7.0	5.5	14.6	13.1	
		40	16.8	11.8	8.0	6.3	16.5	14.1	
		50	16.8	11.8	8.0	6.3	16.5	14.1	25.3
		60	16.8	12.3	9.0	7.0	18.5	18.1	27.8
		60	16.8	12.3	9.0	7.0	18.5	18.1	27.8
	4	2	14.2	9.1	3.5	2.8	6.9	5.3	11.3
		3	15.5	10.8	4.5	3.8	8.7	5.9	15.5
		5	15.5	10.8	4.5	3.8	8.7	5.9	15.5
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	17.4
020-110	4	5	15.5	10.8	4.5	3.8	8.7	5.9	15.5
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	17.4
		10	15.5	11.7	5.3	4.3	10.3	7.4	17.4
		15	15.5	11.5	6.3	5.0	12.9	9.6	19.5
020-135	4	7.5	17.6	12.7	5.3	4.3	10.3	7.4	17.4
		10	17.6	12.7	5.3	4.3	10.3	7.4	17.4
		15	17.6	13.3	6.3	5.0	12.9	9.6	19.5
		20	17.6	13.3	6.3	5.0	12.9	9.6	19.5
		25	18.9	15.1	7.0	5.5	14.6	13.1	23.4
025-070	2	7.5	15.5	9.9	5.3	4.3	10.3	7.4	17.4
		10	15.5	9.9	5.3	4.3	10.3	7.4	17.4
		15	17.1	9.8	6.3	5.0	12.9	9.6	19.5
		20	17.1	9.8	6.3	5.0	12.9	9.6	19.5
		25	15.4	10.1	7.0	5.5	14.6	13.1	21.8
		30	15.4	10.1	7.0	5.5	14.6	13.1	21.8
	4	1	14.2	9.1	3.5	2.8	6.9	5.3	11.3
		1.5	14.2	9.1	3.5	2.8	6.9	5.3	11.3
		2	14.2	9.1	3.5	2.8	6.9	5.3	11.3
		3	15.5	9.1	4.5	3.8	8.7	5.9	15.5
		5	15.5	9.1	4.5	3.8	8.7	5.9	15.5

025-095	2	25	15.9	11.9	7.0	5.5	14.6	13.1	21.8
		30	15.9	11.9	7.0	5.5	14.6	13.1	21.8
		40	16.8	11.1	8.0	6.3	16.5	14.1	25.3
		50	16.8	11.1	8.0	6.3	16.5	14.1	25.3
		60	16.8	11.6	9.0	7.0	18.5	18.1	27.8
		75	16.8	11.6	9.0	7.0	18.5	18.1	27.8
		75	16.8	11.6	9.0	7.0	18.5	18.1	27.8
	4	3	15.5	10.4	4.5	3.8	8.7	5.9	15.5
		5	15.5	10.4	4.5	3.8	8.7	5.9	15.5
		7.5	15.5	11.3	5.3	4.3	10.3	7.4	17.4
		10	15.5	11.3	5.3	4.3	10.3	7.4	17.4
	6	1	14.2	8.7	3.5	2.8	6.9	5.3	11.3
		1.5	15.5	10.4	4.5	3.8	8.7	5.9	15.5
		2	15.5	10.4	4.5	3.8	8.7	5.9	15.5
		3	15.5	11.3	5.3	4.3	10.3	7.4	17.4
025-110	4	7.5	17.6	12.2	5.3	4.3	10.3	7.4	17.4
		10	17.6	12.2	5.3	4.3	10.3	7.4	17.4
		15	17.6	12.8	6.3	5.0	12.9	9.6	19.5
	6	2	17.6	11.4	4.5	3.8	8.7	5.9	15.5
		3	17.6	12.2	5.3	4.3	10.3	7.4	17.4
		5	17.6	12.2	5.3	4.3	10.3	7.4	17.4
030-070	2	15	17.1	9.8	6.3	5.0	12.9	9.6	19.5
		20	17.1	9.8	6.3	5.0	12.9	9.6	19.5
		25	15.4	10.1	7.0	5.5	14.6	13.1	21.8
		30	15.4	10.1	7.0	5.5	14.6	13.1	21.8
		40	16.3	11.4	8.0	6.3	16.5	14.1	25.3
	4	1.5	14.2	9.1	3.5	2.8	6.9	5.3	11.3
		2	14.2	9.1	3.5	2.8	6.9	5.3	11.3
		3	15.5	9.1	4.5	3.8	8.7	5.9	15.5
		5	15.5	9.1	4.5	3.8	8.7	5.9	15.5
030-095	2	40	18.5	11.8	8.0	6.3	16.5	14.1	25.3
		50	18.5	11.8	8.0	6.3	16.5	14.1	25.3
		60	18.5	12.3	9.0	7.0	18.5	18.1	27.8
		75	18.5	12.3	9.0	7.0	18.5	18.1	27.8
		100	18.5	13.3	10.0	8.0	21.3	19.3	31.0
		125	19.1	13.5	11.0	9.0	24.2	22.7	36.6
	4	5	17.3	11.1	4.5	3.8	8.7	5.9	15.5
		7.5	17.3	12.0	5.3	4.3	10.3	7.4	17.4
		10	17.3	12.0	5.3	4.3	10.3	7.4	17.4
		15	17.3	12.6	6.3	5.0	12.9	9.6	19.5
	6	1.5	17.3	11.1	4.5	3.8	8.7	5.9	15.5
		2	17.3	11.1	4.5	3.8	8.7	5.9	15.5
		3	17.3	12.0	5.3	4.3	10.3	7.4	17.4
		5	17.3	12.0	5.3	4.3	10.3	7.4	17.4
030-110	4	10	17.6	12.2	5.3	4.3	10.3	7.4	17.4
		15	17.6	12.8	6.3	5.0	12.9	9.6	19.5
		20	17.6	12.8	6.3	5.0	12.9	9.6	19.5
	6	3	17.6	12.2	5.3	4.3	10.3	7.4	17.4
		5	17.6	12.2	5.3	4.3	10.3	7.4	17.4
		7.5	17.6	12.8	6.3	5.0	12.9	9.6	19.5

030-135	4	15	17.6	12.8	6.3	5.0	12.9	9.6	
		20	17.6	12.8	6.3	5.0	12.9	9.6	
		25	18.9	14.6	7.0	5.5	14.6	13.1	
		30	18.9	14.6	7.0	5.5	14.6	13.1	
		40	19.9	16.0	8.0	6.3	16.5	14.1	
	6	5	17.6	12.2	5.3	4.3	10.3	7.4	
		7.5	17.6	12.8	6.3	5.0	12.9	9.6	
		10	17.6	12.8	6.3	5.0	12.9	9.6	
		15	18.9	14.6	7.0	5.5	14.6	13.1	
040-070	2	20	18.1	12.1	6.3	5.0	12.9	9.6	
		25	16.4	10.2	7.0	5.5	14.6	13.1	
		30	16.4	10.2	7.0	5.5	14.6	13.1	
		40	17.3	11.4	8.0	6.3	16.5	14.1	
		50	17.3	11.4	8.0	6.3	16.5	14.1	
	4	2	15.2	9.1	3.5	2.8	6.9	5.3	
		3	16.5	10.8	4.5	3.8	8.7	5.9	
		5	16.5	10.8	4.5	3.8	8.7	5.9	
		7.5	16.5	11.7	5.3	4.3	10.3	7.4	
	6	0.75	15.2	9.1	3.5	2.8	6.9	5.3	
		1	15.2	9.1	3.5	2.8	6.9	5.3	
		1.5	16.5	10.8	4.5	3.8	8.7	5.9	
		2	16.5	10.8	4.5	3.8	8.7	5.9	
040-095	2	60	19.0	12.3	9.0	7.0	18.5	18.1	
		75	19.0	12.3	9.0	7.0	18.5	18.1	
		100	19.0	13.1	10.0	8.0	21.3	19.3	31.0
		125	19.6	13.5	11.0	9.0	24.2	22.7	36.6
	4	7.5	17.8	12.0	5.3	4.3	10.3	7.4	17.4
		10	17.8	12.0	5.3	4.3	10.3	7.4	17.4
		15	17.8	12.6	6.3	5.0	12.9	9.6	19.5
		20	17.8	12.6	6.3	5.0	12.9	9.6	19.5
	6	2	17.8	11.1	4.5	3.8	8.7	5.9	15.5
		3	17.8	12.0	5.3	4.3	10.3	7.4	17.4
		5	17.8	12.0	5.3	4.3	10.3	7.4	17.4
		7.5	17.8	12.6	6.3	5.0	12.9	9.6	19.5
040-110	4	15	18.1	12.8	6.3	5.0	12.9	9.6	19.5
		20	18.1	12.8	6.3	5.0	12.9	9.6	19.5
		25	19.4	14.6	7.0	5.5	14.6	13.1	23.4
		30	19.4	14.6	7.0	5.5	14.6	13.1	23.4
	6	3	18.1	12.2	5.3	4.3	10.3	7.4	17.4
		5	18.1	12.2	5.3	4.3	10.3	7.4	17.4
		7.5	18.1	12.8	6.3	5.0	12.9	9.6	19.5
		10	18.1	12.8	6.3	5.0	12.9	9.6	19.5
040-135	4	20	18.1	12.9	6.3	5.0	12.9	9.6	19.5
		25	19.4	14.6	7.0	5.5	14.6	13.1	23.4
		30	19.4	14.6	7.0	5.5	14.6	13.1	23.4
		40	20.4	16.0	8.0	6.3	16.5	14.1	25.3
		50	20.4	16.0	8.0	6.3	16.5	14.1	25.3
	6	5	18.1	12.3	5.3	4.3	10.3	7.4	17.4
		7.5	18.1	12.9	6.3	5.0	12.9	9.6	19.5
		10	18.1	12.9	6.3	5.0	12.9	9.6	19.5
		15	19.4	14.6	7.0	5.5	14.6	13.1	23.4

040-150	4	50	21.5	16.5	8.0	6.3	16.5	14.1	25.3
		60	21.5	17.1	9.0	7.0	18.5	18.1	27.6
		75	21.5	17.1	9.0	7.0	18.5	18.1	27.8
		100	23.0	18.6	10.0	8.0	21.3	19.3	31.0
		125	25.0	18.2	11.0	9.0	24.2	22.7	36.6
		150	25.0	18.2	11.0	9.0	24.2	22.7	36.6
	6	15	20.9	15.4	7.0	5.5	14.6	13.1	23.4
		20	20.9	15.4	7.0	5.5	14.6	13.1	23.4
		25	21.5	16.5	8.0	6.3	16.5	14.1	25.3
		30	21.5	16.5	8.0	6.3	16.5	14.1	25.3
		40	21.5	17.1	9.0	7.0	18.5	18.1	27.6
050-070	2	25	16.4	11.4	7.0	5.5	14.6	13.1	21.8
		30	16.4	11.4	7.0	5.5	14.6	13.1	21.8
		40	17.3	10.6	8.0	6.3	16.5	14.1	25.3
		50	17.3	10.6	8.0	6.3	16.5	14.1	25.3
		60	17.3	11.1	9.0	7.0	18.5	18.1	27.8
		75	17.3	11.1	9.0	7.0	24.2	18.1	27.8
	4	3	16.5	10.3	4.5	3.8	8.7	5.9	15.5
		5	16.5	10.3	4.5	3.8	24.2	5.9	15.5
		7.5	16.5	11.2	5.3	4.3	10.3	7.4	17.4
		10	16.5	11.2	5.3	4.3	10.3	7.4	17.4
	6	0.75	15.2	8.6	3.5	2.8	6.9	5.3	11.3
		1	15.2	8.6	3.5	2.8	6.9	5.3	11.3
		1.5	16.5	10.3	4.5	3.8	8.7	5.9	15.5
		2	16.5	10.3	4.5	3.8	24.2	5.9	15.5
		3	16.5	11.2	5.3	4.3	10.3	7.4	17.4
050-095	4	10	19.8	14.0	5.3	4.3	10.3	7.4	17.4
		15	19.8	14.6	6.3	5.0	12.9	9.6	19.5
		20	19.8	14.6	6.3	5.0	12.9	9.6	19.5
		25	20.3	15.5	7.0	5.5	14.6	13.1	23.4
		30	20.3	15.5	7.0	5.5	14.6	13.1	23.4
	6	3	19.8	14.0	5.3	4.3	10.3	7.4	17.4
		5	19.8	14.0	5.3	4.3	10.3	7.4	17.4
		7.5	19.8	14.6	6.3	5.0	12.9	9.6	19.5
		10	19.8	14.6	6.3	5.0	12.9	9.6	19.5
050-110	4	20	18.1	12.8	6.3	5.0	12.9	9.6	19.5
		25	19.4	14.6	7.0	5.5	14.6	13.1	23.4
		30	19.4	14.6	7.0	5.5	14.6	13.1	23.4
		40	20.4	16.0	8.0	6.3	16.5	14.1	25.3
	6	5	18.1	12.2	5.3	4.3	10.3	7.4	17.4
		7.5	18.1	12.8	6.3	5.0	12.9	9.6	19.5
		10	18.1	12.8	6.3	5.0	12.9	9.6	19.5
		15	19.4	14.6	7.0	5.5	14.6	13.1	23.4
050-135	4	25	20.9	15.4	7.0	5.5	14.6	13.1	23.4
		30	20.9	15.4	7.0	5.5	14.6	13.1	23.4
		40	21.5	16.5	8.0	6.3	16.5	14.1	25.3
		50	21.5	16.5	8.0	6.3	16.5	14.1	25.3
		60	21.5	17.1	9.0	7.0	18.5	18.1	27.6
		75	21.5	17.1	9.0	7.0	18.5	18.1	27.8
	6	10	20.3	14.4	6.3	5.0	12.9	9.6	19.5
		15	20.9	15.4	7.0	5.5	14.6	13.1	23.4
		20	20.9	15.4	7.0	5.5	14.6	13.1	23.4

050-150	4	75	21.5	17.2	9.0	7.0	18.5	18.1	
		100	23.0	19.1	10.0	8.0	21.3	19.3	
		125	25.0	20.2	11.0	9.0	24.2	22.7	
		150	25.0	20.2	11.0	9.0	24.2	22.7	
	6	25	21.5	16.6	8.0	6.3	16.5	14.1	
		30	21.5	16.6	8.0	6.3	16.5	14.1	
		40	21.5	17.2	9.0	7.0	18.5	18.1	
		50	21.5	17.2	9.0	7.0	18.5	18.1	
		60	23.0	19.1	10.0	8.0	21.3	19.3	
060-095	4	15	20.6	14.0	6.3	5.0	12.9	9.6	
		20	20.6	14.0	6.3	5.0	12.9	9.6	
		25	21.1	14.9	7.0	5.5	14.6	13.1	
		30	21.1	14.9	7.0	5.5	14.6	13.1	
		40	21.7	15.9	8.0	6.3	16.5	14.1	
	6	5	20.6	13.4	5.3	4.3	10.3	7.4	
		7.5	20.6	14.0	6.3	5.0	12.9	9.6	
		10	20.6	14.0	6.3	5.0	12.9	9.6	
		15	21.1	14.9	7.0	5.5	14.6	13.1	
060-110	4	30	21.6	15.4	7.0	5.5	14.6	13.1	
		40	22.3	16.5	8.0	6.3	16.5	14.1	
		50	22.3	16.5	8.0	6.3	16.5	14.1	
		60	22.3	17.1	9.0	7.0	18.5	18.1	
	6	7.5	21.0	14.4	6.3	5.0	12.9	9.6	
		10	21.0	14.4	6.3	5.0	12.9	9.6	
		15	21.6	15.4	7.0	5.5	14.6	13.1	23.4
		20	21.6	15.4	7.0	5.5	14.6	13.1	23.4
060-135	4	40	22.3	16.5	8.0	6.3	16.5	14.1	25.3
		50	22.3	16.5	8.0	6.3	16.5	14.1	25.3
		60	22.3	17.1	9.0	7.0	18.5	18.1	27.6
		75	22.3	17.1	9.0	7.0	18.5	18.1	27.8
		100	23.8	18.6	10.0	8.0	21.3	19.3	31.0
		125	25.8	18.2	11.0	9.0	24.2	22.7	36.6
	6	10	21.0	14.4	6.3	5.0	12.9	9.6	19.5
		15	21.6	15.4	7.0	5.5	14.6	13.1	23.4
		20	21.6	15.4	7.0	5.5	14.6	13.1	23.4
		25	22.3	16.5	8.0	6.3	16.5	14.1	25.3
		30	22.3	16.5	8.0	6.3	16.5	14.1	25.3
060-150	4	125	25.6	20.0	11.0	9.0	24.2	22.7	36.6
		150	25.6	20.0	11.0	9.0	24.2	22.7	36.6
		200	25.6	20.0	11.0	9.0	24.2	22.7	45.0
	6	40	24.6	19.6	9.0	7.0	18.5	18.1	27.6
		50	24.6	19.6	9.0	7.0	18.5	18.1	27.8
		60	24.6	20.0	10.0	8.0	21.3	19.3	31.0
		75	24.6	20.0	10.0	8.0	21.3	19.3	31.0
		100	25.6	20.0	11.0	9.0	24.2	22.7	36.6
080-135	4	60	22.3	17.1	9.0	7.0	18.5	18.1	27.6
		75	22.3	17.1	9.0	7.0	18.5	18.1	27.8
		100	23.8	19.2	10.0	8.0	21.3	19.3	31.0
		125	25.8	20.0	11.0	9.0	24.2	22.7	36.6
		150	25.8	20.0	11.0	9.0	24.2	22.7	36.6
	6	15	21.6	15.4	7.0	5.5	14.6	13.1	23.4
		20	21.6	15.4	7.0	5.5	14.6	13.1	23.4
		25	22.3	16.5	8.0	6.3	16.5	14.1	25.3
		30	22.3	16.5	8.0	6.3	16.5	14.1	25.3
		40	22.3	17.1	9.0	7.0	18.5	18.1	27.6
		50	22.3	17.1	9.0	7.0	18.5	18.1	27.8

080-150	4	125	26.6	19.8	11.0	9.0	24.2	22.7	36.6
		150	26.6	19.8	11.0	9.0	24.2	22.7	36.6
		200	26.6	19.8	11.0	9.0	24.2	22.7	45.0
	6	40	25.6	19.3	9.0	7.0	18.5	18.1	27.6
		50	25.6	19.3	9.0	7.0	18.5	18.1	27.8
		60	25.6	20.0	10.0	8.0	21.3	19.3	31.0
		75	25.6	20.0	10.0	8.0	21.3	19.3	31.0
100-150	4	150	26.6	20.2	11.0	9.0	24.2	22.7	36.6
		200	26.2	20.2	11.0	9.0	24.2	22.7	36.6
	6	50	26.2	19.8	11.0	7.0	24.2	22.7	45.0
		60	25.2	20.3	9.0	8.0	18.5	18.1	27.8
		75	25.2	20.3	10.0	8.0	21.3	19.3	31.0
		100	25.2	20.2	10.0	9.0	21.3	19.3	31.0

Dimensions in mm.

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
012-070	2	3	372	242	114	95	221	149	394	197	80	290	44	178	5	349	311	265	64	5
		7.5	372	242	114	95	221	149	394	197	80	290	44	178	5	349	311	265	64	5
		7.5	372	265	133	108	260	187	441	197	80	290	44	178	5	423	385	291	44	5
		7.5	372	265	133	108	260	187	441	197	80	290	44	178	5	423	385	291	44	5
		15	372	265	133	108	260	187	441	197	80	290	44	178	5	423	385	291	44	5
		15	372	260	159	127	327	245	495	197	80	290	44	178	5	514	476	304	19	10
		15	372	260	159	127	327	245	495	197	80	290	44	178	5	514	476	304	19	10
	4	1	339	198	89	70	175	133	286	197	80	265	25	159	13	338	299	215	70	5
		1	339	198	89	70	175	133	286	197	80	265	25	159	13	338	299	215	70	5
		1	339	198	89	70	175	133	286	197	80	265	25	159	13	338	299	215	70	5
		1.5	339	198	89	70	175	133	286	197	80	265	25	159	13	338	299	215	70	5
015-070	2	5	372	242	114	95	221	149	394	197	80	290	44	178	5	349	311	265	64	5
		7.5	372	265	133	108	260	187	441	197	80	290	44	178	5	423	385	291	44	5
		10	372	265	133	108	260	187	441	197	80	290	44	178	5	423	385	291	44	5
		15	372	260	159	127	327	245	495	197	80	290	44	178	5	514	476	304	19	10
		20	372	260	159	127	327	245	495	197	80	290	44	178	5	514	476	304	19	10
	4	1	339	198	89	70	175	133	286	197	80	265	25	159	13	338	299	215	70	5
		1	339	198	89	70	175	133	286	197	80	265	25	159	13	338	299	215	70	5
		1.5	339	198	89	70	175	133	286	197	80	265	25	159	13	338	299	215	70	5
		2	339	198	89	70	175	133	286	197	80	265	25	159	13	338	299	215	70	5
		3	372	242	114	95	221	149	394	197	80	290	44	178	5	349	311	265	64	5
015-090	2	15	435	308	159	127	327	245	495	222	92	325	25	203	13	508	470	329	44	5
		20	435	308	159	127	327	245	495	222	92	325	25	203	13	508	470	329	44	5
		25	392	258	178	140	372	334	552	222	92	325	25	203	13	565	527	354	25	13
		30	392	258	178	140	372	334	552	222	92	325	25	203	13	565	527	354	25	13
		40	415	289	203	159	419	359	641	229	95	350	51	229	5	597	559	392	25	13
	4	1.5	361	231	89	70	175	133	286	-	-	-	-	-	-	363	325	215	89	5
		2	361	231	89	70	175	133	286	-	-	-	-	-	-	363	325	215	89	5
		3	394	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		5	394	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
015-095	2	15	435	308	159	127	327	245	495	222	92	325	25	203	13	508	470	329	44	5
		20	435	308	159	127	327	245	495	222	92	325	25	203	13	508	470	329	44	5
		25	392	258	178	140	372	334	552	222	92	325	25	203	13	565	527	354	25	13
		30	392	258	178	140	372	334	552	222	92	325	25	203	13	565	527	354	25	13
		40	415	289	203	159	419	359	641	229	95	350	51	229	5	597	559	392	25	13
		50	415	289	203	159	419	359	641	229	95	350	51	229	5	597	559	392	25	13
	4	2	361	231	89	70	175	133	286	-	-	-	-	-	-	363	325	215	89	5
		3	394	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		5	394	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		7.5	394	297	133	108	260	187	441	-	-	-	-	-	-	423	385	291	44	5
020-095	2	15	446	318	159	127	327	245	495	222	92	325	25	203	13	508	470	329	44	5
		20	446	318	159	127	327	245	495	222	92	325	25	203	13	508	470	329	44	5
		25	403	269	178	140	372	334	552	222	92	325	25	203	13	565	527	354	25	13
		30	403	269	178	140	372	334	552	222	92	325	25	203	13	565	527	354	25	13
		40	426	300	203	159	419	359	641	229	95	350	51	229	5	597	559	392	25	13
		50	426	300	203	159	419	359	641	229	95	350	51	229	5	597	559	392	25	13
		60	426	312	229	178	470	459	705	229	95	350	76	254	5	622	584	431	25	13
		60	426	312	229	178	470	459	705	229	95	350	76	254	5	622	584	431	25	13
	4	2	361	231	89	70	175	133	286	-	-	-	-	-	-	363	325	215	89	5
		3	394	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		5	394	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		7.5	394	297	133	108	260	187	441	-	-	-	-	-	-	423	385	291	44	5

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
020-110	4	5	394	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		7.5	394	297	133	108	260	187	441	-	-	-	-	-	-	423	385	291	44	5
		10	394	297	133	108	260	187	441	-	-	-	-	-	-	423	385	291	44	5
		15	394	292	159	127	327	245	495	-	-	-	-	-	-	514	476	304	19	10
020-135	4	7.5	446	323	133	108	260	187	441	-	-	-	-	-	-	423	385	291	95	5
		10	446	323	133	108	260	187	441	-	-	-	-	-	-	423	385	291	95	5
		15	446	338	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5
		20	446	338	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5
		25	481	383	178	140	372	334	594	-	-	-	-	-	-	552	514	385	51	8
025-070	2	7.5	394	252	133	108	260	187	441	222	92	287	19	178	10	423	385	291	44	5
		10	394	252	133	108	260	187	441	222	92	287	19	178	10	423	385	291	44	5
		15	435	248	159	127	327	245	495	222	92	287	19	178	10	514	476	304	19	10
		20	435	248	159	127	327	245	495	222	92	287	19	178	10	514	476	304	19	10
		25	392	255	178	140	372	334	552	229	95	312	44	203	5	565	527	354	25	13
		30	392	255	178	140	372	334	552	229	95	312	44	203	5	565	527	354	25	13
	4	1	361	231	89	70	175	133	286	-	-	-	-	-	-	338	299	215	70	5
		1.5	361	231	89	70	175	133	286	-	-	-	-	-	-	338	299	215	70	5
		2	361	231	89	70	175	133	286	-	-	-	-	-	-	338	299	215	70	5
		3	394	230	114	95	221	149	394	222	92	287	19	178	10	372	334	265	64	5
		5	394	230	114	95	221	149	394	222	92	287	19	178	10	372	334	265	64	5
025-095	2	25	403	303	178	140	372	334	552	-	-	-	-	-	-	565	527	354	25	13
		30	403	303	178	140	372	334	552	-	-	-	-	-	-	565	527	354	25	13
		40	426	281	203	159	419	359	641	267	114	380	25	229	13	597	559	392	25	13
		50	426	281	203	159	419	359	641	267	114	380	25	229	13	597	559	392	25	13
		60	426	293	229	178	470	459	705	267	114	405	51	254	5	622	584	431	25	13
		75	426	293	229	178	470	459	705	267	114	405	51	254	5	622	584	431	25	13
		75	426	293	229	178	470	459	705	267	114	405	51	254	5	622	584	431	25	13
	4	3	394	264	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		5	394	264	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		7.5	394	287	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		10	394	287	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
	6	1	361	220	89	70	175	133	286	-	-	-	-	-	-	368	330	215	114	5
		1.5	394	264	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		2	394	264	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		3	394	287	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
025-110	4	7.5	446	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		10	446	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		15	446	325	159	127	327	245	495	-	-	-	-	-	-	508	470	329	44	5
	6	2	446	289	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		3	446	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		5	446	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
030-070	2	15	435	248	159	127	327	245	495	222	92	287	19	178	10	514	476	304	19	10
		20	435	248	159	127	327	245	495	222	92	287	19	178	10	514	476	304	19	10
		25	392	255	178	140	372	334	552	229	95	312	44	203	5	565	527	354	25	13
		30	392	255	178	140	372	334	552	229	95	312	44	203	5	565	527	354	25	13
		40	415	289	203	159	419	359	641	229	95	312	70	229	5	597	559	392	25	13
	4	1.5	361	231	89	70	175	133	286	-	-	-	-	-	-	338	299	215	70	5
		2	361	231	89	70	175	133	286	-	-	-	-	-	-	338	299	215	70	5
		3	394	230	114	95	221	149	394	222	92	287	19	178	10	372	334	265	64	5
		5	394	230	114	95	221	149	394	222	92	287	19	178	10	372	334	265	64	5

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
030-095	2	40	471	300	203	159	419	359	641	267	114	415	25	229	13	597	559	392	25	13
		50	471	300	203	159	419	359	641	267	114	415	25	229	13	597	559	392	25	13
		60	471	313	229	178	470	459	705	267	114	440	51	254	5	622	584	431	25	13
		75	471	313	229	178	470	459	705	267	114	440	51	254	5	622	584	431	25	13
		100	471	339	254	203	541	490	787	254	108	440	76	279	5	699	660	506	25	13
		125	484	343	279	229	616	576	930	254	108	415	102	305	5	749	711	557	25	13
	4	5	439	282	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		7.5	439	304	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		10	439	304	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		15	439	319	159	127	327	245	495	-	-	-	-	-	-	508	470	329	44	5
	6	1.5	439	282	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		2	439	282	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		3	439	304	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		5	439	304	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
030-110	4	10	446	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		15	446	325	159	127	327	245	495	-	-	-	-	-	-	508	470	329	44	5
		20	446	325	159	127	327	245	495	-	-	-	-	-	-	508	470	329	44	5
	6	3	446	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		5	446	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		7.5	446	325	159	127	327	245	495	-	-	-	-	-	-	508	470	329	44	5
030-135	4	15	446	325	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		20	446	325	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		25	481	370	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
		30	481	370	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
		40	505	405	203	159	419	359	641	-	-	-	-	-	-	591	552	423	51	8
	6	5	446	311	133	108	260	187	441	-	-	-	-	-	-	445	406	291	121	5
		7.5	446	325	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		10	446	325	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		15	481	370	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
040-070	2	20	461	308	159	127	327	245	495	222	92	355	25	203	13	508	470	329	44	5
		25	418	258	178	140	372	334	552	222	92	355	25	203	13	565	527	354	25	13
		30	418	258	178	140	372	334	552	222	92	355	25	203	13	565	527	354	25	13
		40	440	289	203	159	419	359	641	229	95	380	51	229	5	597	559	392	25	13
		50	440	289	203	159	419	359	641	229	95	380	51	229	5	597	559	392	25	13
	4	2	387	231	89	70	175	133	286	-	-	-	-	-	-	363	325	215	89	5
		3	420	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		5	420	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		7.5	420	297	133	108	260	187	441	-	-	-	-	-	-	423	385	291	44	5
	6	0.75	387	231	89	70	175	133	286	-	-	-	-	-	-	363	325	215	89	5
		1	387	231	89	70	175	133	286	-	-	-	-	-	-	363	325	215	89	5
		1.5	420	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
		2	420	275	114	95	221	149	394	-	-	-	-	-	-	372	334	265	64	5
040-095	2	60	484	313	229	178	470	459	705	267	114	415	25	254	13	622	584	431	25	13
		75	484	313	229	178	470	459	705	267	114	415	25	254	13	622	584	431	25	13
		100	484	332	254	203	541	490	787	267	114	440	51	279	5	699	660	506	25	13
		125	497	343	279	229	616	576	930	254	108	440	76	305	5	749	711	557	25	13
	4	7.5	452	304	133	108	260	187	441	-	-	-	-	-	-	423	385	291	95	5
		10	452	304	133	108	260	187	441	-	-	-	-	-	-	423	385	291	95	5
		15	452	319	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5
		20	452	319	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
	6	2	452	282	114	95	221	149	394	-	-	-	-	-	-	387	349	265	114	5
		3	452	304	133	108	260	187	441	-	-	-	-	-	-	423	385	291	95	5
		5	452	304	133	108	260	187	441	-	-	-	-	-	-	423	385	291	95	5
		7.5	452	319	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5
040-110	4	15	459	325	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5
		20	459	325	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5
		25	494	370	178	140	372	334	594	-	-	-	-	-	-	552	514	385	51	8
		30	494	370	178	140	372	334	594	-	-	-	-	-	-	552	514	385	51	8
	6	3	459	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	95	5
		5	459	311	133	108	260	187	441	-	-	-	-	-	-	423	385	291	95	5
		7.5	459	325	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5
		10	459	325	159	127	327	245	495	-	-	-	-	-	-	521	483	329	70	5
040-135	4	20	459	327	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		25	494	372	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
		30	494	372	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
		40	518	407	203	159	419	359	641	-	-	-	-	-	-	591	552	423	51	8
		50	518	407	203	159	419	359	641	-	-	-	-	-	-	591	552	423	51	8
	6	5	459	313	133	108	260	187	441	-	-	-	-	-	-	445	406	291	121	5
		7.5	459	327	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		10	459	327	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		15	494	372	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
040-150	4	50	547	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		60	547	435	229	178	470	459	702	-	-	-	-	-	-	622	584	462	51	8
		75	547	435	229	178	470	459	705	-	-	-	-	-	-	622	584	462	51	8
		100	585	473	254	203	541	490	787	-	-	-	-	-	-	699	660	506	25	13
		125	636	463	279	229	616	576	930	292	127	500	25	305	13	749	711	557	25	13
		150	636	463	279	229	616	576	930	292	127	500	25	305	13	749	711	557	25	13
	6	15	530	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		20	530	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		25	547	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		30	547	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		40	547	435	229	178	470	459	702	-	-	-	-	-	-	622	584	462	51	8
050-070	2	25	418	291	178	140	372	334	552	-	-	-	-	-	-	565	527	354	25	13
		30	418	291	178	140	372	334	552	-	-	-	-	-	-	565	527	354	25	13
		40	440	270	203	159	419	359	641	267	114	380	25	229	13	597	559	392	25	13
		50	440	270	203	159	419	359	641	267	114	380	25	229	0	597	559	392	25	13
		60	440	283	229	178	470	459	705	267	114	405	51	254	5	622	584	431	25	13
		75	440	283	229	178	616	459	705	267	114	405	51	254	5	622	584	431	25	13
	4	3	420	262	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		5	420	262	114	95	616	149	394	-	-	-	-	-	-	372	334	265	89	5
		7.5	420	284	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
		10	420	284	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
	6	0.75	387	218	89	70	175	133	286	-	-	-	-	-	-	368	330	215	114	5
		1	387	218	89	70	175	133	286	-	-	-	-	-	-	368	330	215	114	5
		1.5	420	262	114	95	221	149	394	-	-	-	-	-	-	372	334	265	89	5
		2	420	262	114	95	616	149	394	-	-	-	-	-	-	372	334	265	89	5
		3	420	284	133	108	260	187	441	-	-	-	-	-	-	423	385	291	70	5
050-095	4	10	504	356	133	108	260	187	441	-	-	-	-	-	-	445	406	291	121	5
		15	504	370	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		20	504	370	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		25	517	393	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
		30	517	393	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
050-110	6	3	504	356	133	108	260	187	441	-	-	-	-	-	-	445	406	291	76	5
		5	504	356	133	108	260	187	441	-	-	-	-	-	-	445	406	291	121	5
		7.5	504	370	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		10	504	370	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
	4	20	459	325	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		25	494	370	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
		30	494	370	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
		40	518	405	203	159	419	359	641	-	-	-	-	-	-	591	552	423	51	8
	6	5	459	311	133	108	260	187	441	-	-	-	-	-	-	445	406	291	121	5
		7.5	459	325	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		10	459	325	159	127	327	245	495	-	-	-	-	-	-	533	495	329	95	5
		15	494	370	178	140	372	334	594	-	-	-	-	-	-	565	527	385	76	8
050-135	4	25	530	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		30	530	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		40	547	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		50	547	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		60	547	435	229	178	470	459	702	-	-	-	-	-	-	622	584	462	51	8
		75	547	435	229	178	470	459	705	-	-	-	-	-	-	622	584	462	51	8
	6	10	515	366	159	127	327	245	495	-	-	-	-	-	-	546	508	329	121	5
		15	530	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		20	530	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
050-150	4	75	547	436	229	178	470	459	705	-	-	-	-	-	-	641	603	462	89	8
		100	585	485	254	203	541	490	787	-	-	-	-	-	-	686	648	545	64	12
		125	636	512	279	229	616	576	930	-	-	-	-	-	-	940	902	588	38	8
		150	636	512	279	229	616	576	930	-	-	-	-	-	-	940	902	588	38	8
	6	25	547	420	203	159	419	359	641	-	-	-	-	-	-	603	565	423	114	8
		30	547	420	203	159	419	359	641	-	-	-	-	-	-	603	565	423	114	8
		40	547	436	229	178	470	459	702	-	-	-	-	-	-	641	603	462	89	8
		50	547	436	229	178	470	459	705	-	-	-	-	-	-	641	603	462	89	8
		60	585	485	254	203	541	490	787	-	-	-	-	-	-	686	648	545	64	12
060-095	4	15	523	355	159	127	327	245	495	-	-	-	-	-	-	546	508	329	121	5
		20	523	355	159	127	327	245	495	-	-	-	-	-	-	546	508	329	121	5
		25	536	378	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		30	536	378	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		40	552	405	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
	6	5	523	341	133	108	260	187	441	-	-	-	-	-	-	445	406	291	146	5
		7.5	523	355	159	127	327	245	495	-	-	-	-	-	-	546	508	329	121	5
		10	523	355	159	127	327	245	495	-	-	-	-	-	-	546	508	329	121	5
		15	536	378	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
060-110	4	30	549	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		40	566	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		50	566	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		60	566	435	229	178	470	459	702	-	-	-	-	-	-	622	584	462	51	8
	6	7.5	534	366	159	127	327	245	495	-	-	-	-	-	-	546	508	329	121	5
		10	534	366	159	127	327	245	495	-	-	-	-	-	-	546	508	329	121	5
		15	549	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		20	549	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8

Pump size	Pole	P2 [hp]	Dimensions for pumps with TEFC motor and support rails [mm]																	
			TEFC motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
060-135	4	40	566	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		50	566	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		60	566	435	229	178	470	459	702	-	-	-	-	-	-	622	584	462	51	8
		75	566	435	229	178	470	459	705	-	-	-	-	-	-	622	584	462	51	8
		100	604	473	254	203	541	490	787	-	-	-	-	-	-	699	660	506	25	13
		125	655	463	279	229	616	576	930	292	127	550	25	305	13	749	711	557	25	13
	6	10	534	366	159	127	327	245	495	-	-	-	-	-	-	546	508	329	121	5
		15	549	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		20	549	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	102	8
		25	566	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
		30	566	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	76	8
060-150	4	125	651	508	279	229	616	576	930	-	-	-	-	-	-	940	902	588	38	8
		150	651	508	279	229	616	576	930	-	-	-	-	-	-	940	902	588	38	8
		200	651	508	279	229	616	576	1143	-	-	-	-	-	-	940	902	588	38	8
	6	40	626	497	229	178	470	459	702	-	-	-	-	-	-	641	603	462	89	8
		50	626	497	229	178	470	459	705	-	-	-	-	-	-	641	603	462	89	8
		60	626	507	254	203	541	490	787	-	-	-	-	-	-	686	648	545	64	12
		75	626	507	254	203	541	490	787	-	-	-	-	-	-	686	648	545	64	12
		100	651	508	279	229	616	576	930	-	-	-	-	-	-	940	902	588	38	8
080-135	4	60	566	435	229	178	470	459	702	-	-	-	-	-	-	622	584	462	121	8
		75	566	435	229	178	470	459	705	-	-	-	-	-	-	622	584	462	121	8
		100	604	489	254	203	541	490	787	-	-	-	-	-	-	667	629	512	95	8
		125	655	508	279	229	616	576	930	-	-	-	-	-	-	806	768	596	70	12
		150	655	508	279	229	616	576	930	-	-	-	-	-	-	806	768	596	70	12
	6	15	549	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	171	8
		20	549	391	178	140	372	334	594	-	-	-	-	-	-	578	540	385	171	8
		25	566	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	146	8
		30	566	419	203	159	419	359	641	-	-	-	-	-	-	616	578	423	146	8
		40	566	435	229	178	470	459	702	-	-	-	-	-	-	622	584	462	121	8
		50	566	435	229	178	470	459	705	-	-	-	-	-	-	622	584	462	121	8
080-150	4	125	676	504	279	229	616	576	930	-	-	-	-	-	-	959	921	596	121	12
		150	676	504	279	229	616	576	930	-	-	-	-	-	-	959	921	596	121	12
		200	676	504	279	229	616	576	1143	-	-	-	-	-	-	959	921	596	121	12
	6	40	651	491	229	178	470	459	702	-	-	-	-	-	-	654	616	470	171	12
		50	651	491	229	178	470	459	705	-	-	-	-	-	-	654	616	470	171	12
		60	651	507	254	203	541	490	787	-	-	-	-	-	-	699	660	545	146	12
		75	651	507	254	203	541	490	787	-	-	-	-	-	-	699	660	545	146	12
100-150	4	150	676	513	279	229	616	576	930	-	-	-	-	-	-	953	914	596	121	12
		200	666	513	279	229	616	576	930	-	-	-	-	-	-	953	914	596	171	12
	6	50	666	504	279	178	616	576	1143	-	-	-	-	-	-	648	610	462	171	12
		60	641	516	229	203	470	459	705	-	-	-	-	-	-	699	660	545	222	8
		75	641	516	254	203	541	490	787	-	-	-	-	-	-	699	660	545	197	12
		100	641	513	254	229	541	490	787	-	-	-	-	-	-	953	914	596	197	12

Dimensions for NBS pumps with ODP motors and support rails

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [inch]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
012-070	2	3	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		7.5	14.6	9.5	4.5	3.8	8.7	5.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	9.5	5.3	3.8	10.3	7.4	18.1	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	1.8	0.2
		7.5	14.6	9.5	5.3	3.8	10.3	7.4	18.1	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	1.8	0.2
		15	14.6	10.4	4.5	4.3	8.7	5.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	2.5	0.2
		15	14.6	10.4	5.3	4.3	10.3	7.4	18.1	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		15	14.6	10.4	5.3	4.3	10.3	7.4	18.1	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
	4	1	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1.5	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
015-070	2	5	14.6	9.5	4.5	3.8	8.7	5.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		7.5	14.6	9.5	4.5	3.8	8.7	5.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
		10	14.6	10.4	5.3	4.3	10.3	7.4	18.1	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		15	14.6	10.4	5.3	4.3	10.3	7.4	18.1	7.8	3.1	11.4	1.8	7.0	0.2	16.7	15.2	11.5	1.8	0.2
		20	14.6	10.2	6.3	5.0	12.9	9.6	20.0	7.8	3.1	11.4	1.8	7.0	0.2	20.3	18.8	12.0	0.8	0.4
	4	1	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		1.5	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		2	13.3	7.8	3.5	2.8	6.9	5.3	12.3	7.8	3.1	10.4	1.0	6.3	0.5	13.3	11.8	8.5	2.8	0.2
		3	14.6	9.5	4.5	3.8	8.7	5.9	13.3	7.8	3.1	11.4	1.8	7.0	0.2	13.8	12.3	10.5	2.5	0.2
015-090	2	15	15.5	11.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		20	17.1	12.1	6.3	5.0	12.9	9.6	20.0	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	17.1	12.1	6.3	5.0	12.9	9.6	20.0	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		30	15.4	10.2	7.0	5.5	14.6	13.1	21.5	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		40	15.4	10.2	7.0	5.5	14.6	13.1	21.5	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
	4	1.5	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		2	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		3	15.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
015-095	2	15	15.5	11.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		20	17.1	12.1	6.3	5.0	12.9	9.6	20.0	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	17.1	12.1	6.3	5.0	12.9	9.6	20.0	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		30	15.4	10.2	7.0	5.5	14.6	13.1	21.5	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		40	15.4	10.2	7.0	5.5	14.6	13.1	21.5	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		50	16.3	11.4	8.0	6.3	16.5	14.1	23.0	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
	4	2	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		3	15.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [inch]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
020-095	2	15	15.9	12.1	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		20	17.5	12.5	6.3	5.0	12.9	9.6	20.0	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	17.5	12.5	6.3	5.0	12.9	9.6	20.0	8.8	3.6	12.8	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		30	15.9	10.6	7.0	5.5	14.6	13.1	21.5	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		40	15.9	10.6	7.0	5.5	14.6	13.1	21.5	8.8	3.6	12.8	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		50	16.8	11.8	8.0	6.3	16.5	14.1	23.0	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
		60	16.8	11.8	8.0	6.3	16.5	14.1	23.0	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
		60	16.8	11.8	8.0	6.3	16.5	14.1	23.0	9.0	3.8	13.8	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
	4	2	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		3	15.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	15.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
020-110	4	5	15.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	15.5	11.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		10	15.5	11.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
		15	15.5	11.5	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.3	18.8	12.0	0.8	0.4
020-135	4	7.5	17.6	12.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		10	17.6	12.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		15	17.6	13.3	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	17.6	13.3	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		25	18.9	15.1	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
025-070	2	7.5	15.5	9.1	4.5	3.8	8.7	5.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		10	15.5	9.9	5.3	4.3	10.3	7.4	18.1	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		15	15.5	9.9	5.3	4.3	10.3	7.4	18.1	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		20	17.1	9.8	6.3	5.0	12.9	9.6	20.0	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		25	17.1	9.8	6.3	5.0	12.9	9.6	20.0	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		30	15.4	10.1	7.0	5.5	14.6	13.1	21.5	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
	4	1	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		1.5	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		2	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		3	15.5	9.1	4.5	3.8	8.7	5.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		5	15.5	9.1	4.5	3.8	8.7	5.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
025-095	2	25	17.5	13.9	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		30	15.9	11.9	7.0	5.5	14.6	13.1	21.5	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		40	15.9	11.9	7.0	5.5	14.6	13.1	21.5	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		50	16.8	11.1	8.0	6.3	16.5	14.1	23.0	10.5	4.5	15.0	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		60	16.8	11.1	8.0	6.3	16.5	14.1	23.0	10.5	4.5	15.0	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		75	16.8	11.6	9.0	7.0	18.5	18.1	25.0	10.5	4.5	15.9	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		75	16.8	11.6	9.0	7.0	18.5	18.1	25.0	10.5	4.5	15.9	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
	4	3	15.5	10.4	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		5	15.5	10.4	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	15.5	11.3	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	15.5	11.3	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
	6	1	14.2	8.7	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.5	13.0	8.5	4.5	0.2
		1.5	15.5	10.4	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		2	15.5	10.4	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		3	15.5	11.3	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [inch]																		
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
025-110	4	7.5	17.6	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	17.6	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.6	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
	6	2	17.6	11.4	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		3	17.6	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		5	17.6	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
030-070	2	15	15.5	9.9	5.3	4.3	10.3	7.4	18.1	8.8	3.6	11.3	0.8	7.0	0.4	16.7	15.2	11.5	1.8	0.2
		20	17.1	9.8	6.3	5.0	12.9	9.6	20.0	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		25	17.1	9.8	6.3	5.0	12.9	9.6	20.0	8.8	3.6	11.3	0.8	7.0	0.4	20.3	18.8	12.0	0.8	0.4
		30	15.4	10.1	7.0	5.5	14.6	13.1	21.5	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
		40	15.4	10.1	7.0	5.5	14.6	13.1	21.5	9.0	3.8	12.3	1.8	8.0	0.2	22.3	20.8	14.0	1.0	0.5
	4	1.5	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		2	14.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	13.3	11.8	8.5	2.8	0.2
		3	15.5	9.1	4.5	3.8	8.7	5.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
		5	15.5	9.1	4.5	3.8	8.7	5.9	13.3	8.8	3.6	11.3	0.8	7.0	0.4	14.7	13.2	10.5	2.5	0.2
030-095	2	40	17.6	12.6	7.0	5.5	14.6	13.1	21.5	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		50	18.5	11.8	8.0	6.3	16.5	14.1	23.0	10.5	4.5	16.3	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		60	18.5	11.8	8.0	6.3	16.5	14.1	23.0	10.5	4.5	16.3	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		75	18.5	12.3	9.0	7.0	18.5	18.1	25.0	10.5	4.5	17.3	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		100	18.5	12.3	9.0	7.0	18.5	18.1	25.0	10.5	4.5	17.3	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
		125	18.5	13.3	10.0	8.0	21.3	19.3	27.8	10.0	4.3	17.3	3.0	11.0	0.2	27.5	26.0	19.9	1.0	0.5
	4	5	17.3	11.1	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	17.3	12.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	17.3	12.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.3	12.6	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
	6	1.5	17.3	11.1	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		2	17.3	11.1	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		3	17.3	12.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		5	17.3	12.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
030-110	4	10	17.6	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		15	17.6	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		20	17.6	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
	6	3	17.6	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		5	17.6	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		7.5	17.6	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
030-135	4	15	17.6	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		20	17.6	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	18.9	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	18.9	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		40	19.9	16.0	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3
	6	5	17.6	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		7.5	17.6	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		10	17.6	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		15	18.9	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [inch]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
040-070	2	20	18.1	12.1	6.3	5.0	12.9	9.6	20.0	8.8	3.6	14.0	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		25	18.1	12.1	6.3	5.0	12.9	9.6	20.0	8.8	3.6	14.0	1.0	8.0	0.5	20.0	18.5	13.0	1.8	0.2
		30	16.4	10.2	7.0	5.5	14.6	13.1	21.5	8.8	3.6	14.0	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		40	16.4	10.2	7.0	5.5	14.6	13.1	21.5	8.8	3.6	14.0	1.0	8.0	0.5	22.3	20.8	14.0	1.0	0.5
		50	17.3	11.4	8.0	6.3	16.5	14.1	23.0	9.0	3.8	15.0	2.0	9.0	0.2	23.5	22.0	15.5	1.0	0.5
	4	2	15.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		3	16.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		5	16.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		7.5	16.5	11.7	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	1.8	0.2
	6	0.75	15.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		1	15.2	9.1	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.3	12.8	8.5	3.5	0.2
		1.5	16.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
		2	16.5	10.8	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	2.5	0.2
040-095	2	60	19.0	14.0	8.0	6.3	16.5	14.1	23.0	-	-	-	-	-	-	23.5	22.0	15.5	1.0	0.5
		75	19.0	12.3	9.0	7.0	18.5	18.1	25.0	10.5	4.5	16.3	1.0	10.0	0.5	24.5	23.0	17.0	1.0	0.5
		100	19.0	12.3	9.0	7.0	18.5	18.1	25.0	10.5	4.5	16.3	1.0	10.0	0.5	24.5	23.0	17.0	1.0	0.5
		125	19.0	13.1	10.0	8.0	21.3	19.3	27.8	10.5	4.5	17.3	2.0	11.0	0.2	27.5	26.0	19.9	1.0	0.5
	4	7.5	17.8	12.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		10	17.8	12.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		15	17.8	12.6	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	17.8	12.6	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
	6	2	17.8	11.1	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	15.3	13.8	10.5	4.5	0.2
		3	17.8	12.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		5	17.8	12.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		7.5	17.8	12.6	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
040-110	4	15	18.1	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		20	18.1	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		25	19.4	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
		30	19.4	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	21.8	20.3	15.2	2.0	0.3
	6	3	18.1	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		5	18.1	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	3.8	0.2
		7.5	18.1	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
		10	18.1	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.5	19.0	13.0	2.8	0.2
040-135	4	20	18.1	12.9	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	19.4	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	19.4	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		40	20.4	16.0	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3
		50	20.4	16.0	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3
	6	5	18.1	12.3	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		7.5	18.1	12.9	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		10	18.1	12.9	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		15	19.4	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [inch]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
040-150	4	50	21.5	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		60	21.5	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		75	21.5	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		100	23.0	18.6	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.5	26.0	19.9	1.0	0.5
		125	23.0	18.6	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.5	26.0	19.9	1.0	0.5
		150	25.0	18.2	11.0	9.0	24.2	22.7	31.6	11.5	5.0	19.7	1.0	12.0	0.5	29.5	28.0	21.9	1.0	0.5
	6	15	20.9	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		20	20.9	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		25	21.5	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		30	21.5	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		40	21.5	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
050-070	2	25	18.1	13.4	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	20.0	18.5	13.0	1.8	0.2
		30	16.4	11.4	7.0	5.5	14.6	13.1	21.5	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		40	16.4	11.4	7.0	5.5	14.6	13.1	21.5	-	-	-	-	-	-	22.3	20.8	14.0	1.0	0.5
		50	17.3	10.6	8.0	6.3	16.5	14.1	23.0	10.5	4.5	15.0	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		60	17.3	10.6	8.0	6.3	16.5	14.1	23.0	10.5	4.5	15.0	1.0	9.0	0.5	23.5	22.0	15.5	1.0	0.5
		75	17.3	11.1	9.0	7.0	18.5	18.1	25.0	10.5	4.5	15.9	2.0	10.0	0.2	24.5	23.0	17.0	1.0	0.5
	4	3	16.5	10.3	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		5	16.5	10.3	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		7.5	16.5	11.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
		10	16.5	11.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
	6	0.75	15.2	8.6	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.5	13.0	8.5	4.5	0.2
		1	15.2	8.6	3.5	2.8	6.9	5.3	12.3	-	-	-	-	-	-	14.5	13.0	8.5	4.5	0.2
		1.5	16.5	10.3	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		2	16.5	10.3	4.5	3.8	8.7	5.9	13.3	-	-	-	-	-	-	14.7	13.2	10.5	3.5	0.2
		3	16.5	11.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	16.7	15.2	11.5	2.8	0.2
050-095	4	10	19.8	14.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		15	19.8	14.6	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		20	19.8	14.6	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	20.3	15.5	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	20.3	15.5	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
	6	3	19.8	14.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	17.5	16.0	11.5	3.0	0.2
		5	19.8	14.0	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		7.5	19.8	14.6	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		10	19.8	14.6	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
050-110	4	20	18.1	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		25	19.4	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		30	19.4	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
		40	20.4	16.0	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	23.3	21.8	16.7	2.0	0.3
	6	5	18.1	12.2	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	17.5	16.0	11.5	4.8	0.2
		7.5	18.1	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		10	18.1	12.8	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.0	19.5	13.0	3.8	0.2
		15	19.4	14.6	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.3	20.8	15.2	3.0	0.3
050-135	4	25	20.9	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		30	20.9	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		40	21.5	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		50	21.5	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		60	21.5	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		75	21.5	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
	6	10	20.3	14.4	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		15	20.9	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		20	20.9	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [inch]																		
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
050-150	4	75	21.5	17.2	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		100	23.0	19.1	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
		125	23.0	19.1	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
		150	25.0	20.2	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
	6	25	21.5	16.6	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	23.8	22.3	16.7	4.5	0.3
		30	21.5	16.6	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	23.8	22.3	16.7	4.5	0.3
		40	21.5	17.2	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		50	21.5	17.2	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		60	23.0	19.1	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
060-095	4	15	20.6	14.0	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		20	20.6	14.0	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		25	21.1	14.9	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		30	21.1	14.9	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		40	21.7	15.9	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
	6	5	20.6	13.4	5.3	4.3	10.3	7.4	18.1	-	-	-	-	-	-	17.5	16.0	11.5	5.8	0.2
		7.5	20.6	14.0	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		10	20.6	14.0	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		15	21.1	14.9	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
060-110	4	30	21.6	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		40	22.3	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		50	22.3	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		60	22.3	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
	6	7.5	21.0	14.4	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		10	21.0	14.4	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		15	21.6	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		20	21.6	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
060-135	4	40	22.3	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		50	22.3	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		60	22.3	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		75	22.3	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	2.0	0.3
		100	23.8	18.6	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.5	26.0	19.9	1.0	0.5
		125	23.8	18.6	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.5	26.0	19.9	1.0	0.5
	6	10	21.0	14.4	6.3	5.0	12.9	9.6	20.0	-	-	-	-	-	-	21.5	20.0	13.0	4.8	0.2
		15	21.6	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		20	21.6	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	4.0	0.3
		25	22.3	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
		30	22.3	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	3.0	0.3
060-150	4	125	24.6	20.0	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
		150	25.6	20.0	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
		200	25.6	20.0	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
		250	25.6	20.0	11.0	9.0	24.2	22.7	39.8	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3
	6	40	24.6	19.6	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		50	24.6	19.6	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	25.3	23.8	18.2	3.5	0.3
		60	24.6	20.0	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
		75	24.6	20.0	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.0	25.5	21.5	2.5	0.5
		100	25.6	20.0	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.0	35.5	23.2	1.5	0.3

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [inch]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
080-135	4	60	22.3	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3
		75	22.3	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3
		100	23.8	19.2	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	26.3	24.8	20.2	3.8	0.3
		125	23.8	19.2	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	26.3	24.8	20.2	3.8	0.3
		150	25.8	20.0	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	31.8	30.3	23.5	2.8	0.5
	6	15	21.6	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	6.8	0.3
		20	21.6	15.4	7.0	5.5	14.6	13.1	21.6	-	-	-	-	-	-	22.8	21.3	15.2	6.8	0.3
		25	22.3	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	5.8	0.3
		30	22.3	16.5	8.0	6.3	16.5	14.1	23.8	-	-	-	-	-	-	24.3	22.8	16.7	5.8	0.3
		40	22.3	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3
		50	22.3	17.1	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	24.5	23.0	18.2	4.8	0.3
080-150	4	125	25.6	20.0	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.5	26.0	21.5	5.8	0.5
		150	26.6	19.8	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.8	36.3	23.5	4.8	0.5
		200	26.6	19.8	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.8	36.3	23.5	4.8	0.5
		250	26.6	19.8	11.0	9.0	24.2	22.7	39.8	-	-	-	-	-	-	37.8	36.3	23.5	4.8	0.5
	6	40	25.6	19.3	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	25.8	24.3	18.5	6.8	0.5
		50	25.6	19.3	9.0	7.0	18.5	18.1	24.9	-	-	-	-	-	-	25.8	24.3	18.5	6.8	0.5
		60	25.6	20.0	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.5	26.0	21.5	5.8	0.5
		75	25.6	20.0	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.5	26.0	21.5	5.8	0.5
100-150	4	150	26.6	20.2	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.5	36.0	23.5	4.8	0.5
		200	26.2	20.2	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.5	36.0	23.5	6.8	0.5
		250	26.2	20.2	11.0	9.0	24.2	22.7	31.6	-	-	-	-	-	-	37.5	36.0	23.5	6.8	0.5
	6	50	26.2	19.8	11.0	7.0	24.2	22.7	39.8	-	-	-	-	-	-	25.5	24.0	18.2	6.8	0.5
		60	25.2	20.3	9.0	8.0	18.5	18.1	24.9	-	-	-	-	-	-	27.5	26.0	21.5	8.8	0.3
		75	25.2	20.3	10.0	8.0	21.3	19.3	30.8	-	-	-	-	-	-	27.5	26.0	21.5	7.8	0.5
		100	25.2	20.2	10.0	9.0	21.3	19.3	30.8	-	-	-	-	-	-	37.5	36.0	23.5	7.8	0.5

Dimensions in mm.

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [mm]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
012-070	2	3	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
		7.5	372	242	114	95	221	149	337	197	80	290	44	178	5	349	311	265	64	5
		7.5	372	242	133	95	260	187	461	197	80	290	44	178	5	349	311	265	44	5
		7.5	372	242	133	95	260	187	461	197	80	290	44	178	5	349	311	265	44	5
		15	372	265	114	108	221	149	337	197	80	290	44	178	5	423	385	291	64	5
		15	372	265	133	108	260	187	461	197	80	290	44	178	5	423	385	291	44	5
		15	372	265	133	108	260	187	461	197	80	290	44	178	5	423	385	291	44	5
	4	1	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
		1	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
		1	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
		1.5	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
015-070	2	5	372	242	114	95	221	149	337	197	80	290	44	178	5	349	311	265	64	5
		7.5	372	242	114	95	221	149	337	197	80	290	44	178	5	349	311	265	64	5
		10	372	265	133	108	260	187	461	197	80	290	44	178	5	423	385	291	44	5
		15	372	265	133	108	260	187	461	197	80	290	44	178	5	423	385	291	44	5
		20	372	260	159	127	327	245	508	197	80	290	44	178	5	514	476	304	19	10

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [mm]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
		1	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
		1	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
	4	1.5	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
		2	339	198	89	70	175	133	311	197	80	265	25	159	13	338	299	215	70	5
		3	372	242	114	95	221	149	337	197	80	290	44	178	5	349	311	265	64	5
		15	394	297	133	108	260	187	461	-	-	-	-	-	-	423	385	291	44	5
		20	435	308	159	127	327	245	508	222	92	325	25	203	13	508	470	329	44	5
	2	25	435	308	159	127	327	245	508	222	92	325	25	203	13	508	470	329	44	5
		30	392	258	178	140	372	334	546	222	92	325	25	203	13	565	527	354	25	13
015-090		40	392	258	178	140	372	334	546	222	92	325	25	203	13	565	527	354	25	13
		1.5	361	231	89	70	175	133	311	-	-	-	-	-	-	363	325	215	89	5
		2	361	231	89	70	175	133	311	-	-	-	-	-	-	363	325	215	89	5
	4	3	394	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
		5	394	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
		15	394	297	133	108	260	187	461	-	-	-	-	-	-	423	385	291	44	5
		20	435	308	159	127	327	245	508	222	92	325	25	203	13	508	470	329	44	5
		25	435	308	159	127	327	245	508	222	92	325	25	203	13	508	470	329	44	5
	2	30	392	258	178	140	372	334	546	222	92	325	25	203	13	565	527	354	25	13
		40	392	258	178	140	372	334	546	222	92	325	25	203	13	565	527	354	25	13
015-095		50	415	289	203	159	419	359	584	229	95	350	51	229	5	597	559	392	25	13
		2	361	231	89	70	175	133	311	-	-	-	-	-	-	363	325	215	89	5
		3	394	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
	4	5	394	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
		7.5	394	297	133	108	260	187	461	-	-	-	-	-	-	423	385	291	44	5
		15	405	307	133	108	260	187	461	-	-	-	-	-	-	423	385	291	44	5
		20	446	318	159	127	327	245	508	222	92	325	25	203	13	508	470	329	44	5
		25	446	318	159	127	327	245	508	222	92	325	25	203	13	508	470	329	44	5
	2	30	403	269	178	140	372	334	546	222	92	325	25	203	13	565	527	354	25	13
		40	403	269	178	140	372	334	546	222	92	325	25	203	13	565	527	354	25	13
020-095		50	426	300	203	159	419	359	584	229	95	350	51	229	5	597	559	392	25	13
		60	426	300	203	159	419	359	584	229	95	350	51	229	5	597	559	392	25	13
		60	426	300	203	159	419	359	584	229	95	350	51	229	5	597	559	392	25	13
		2	361	231	89	70	175	133	311	-	-	-	-	-	-	363	325	215	89	5
		3	394	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
	4	5	394	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
		7.5	394	297	133	108	260	187	461	-	-	-	-	-	-	423	385	291	44	5
		5	394	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
		7.5	394	297	133	108	260	187	461	-	-	-	-	-	-	423	385	291	44	5
020-110	4	10	394	297	133	108	260	187	461	-	-	-	-	-	-	423	385	291	44	5
		15	394	292	159	127	327	245	508	-	-	-	-	-	-	514	476	304	19	10
		7.5	446	323	133	108	260	187	461	-	-	-	-	-	-	423	385	291	95	5
		10	446	323	133	108	260	187	461	-	-	-	-	-	-	423	385	291	95	5
020-135	4	15	446	338	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
		20	446	338	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
		25	481	383	178	140	372	334	549	-	-	-	-	-	-	552	514	385	51	8
		7.5	394	230	114	95	221	149	337	222	92	287	19	178	10	372	334	265	64	5
		10	394	252	133	108	260	187	461	222	92	287	19	178	10	423	385	291	44	5
025-070	2	15	394	252	133	108	260	187	461	222	92	287	19	178	10	423	385	291	44	5
		20	435	248	159	127	327	245	508	222	92	287	19	178	10	514	476	304	19	10
		25	435	248	159	127	327	245	508	222	92	287	19	178	10	514	476	304	19	10
		30	392	255	178	140	372	334	546	229	95	312	44	203	5	565	527	354	25	13

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [mm]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
		1	361	231	89	70	175	133	311	-	-	-	-	-	-	338	299	215	70	5
		1.5	361	231	89	70	175	133	311	-	-	-	-	-	-	338	299	215	70	5
	4	2	361	231	89	70	175	133	311	-	-	-	-	-	-	338	299	215	70	5
		3	394	230	114	95	221	149	337	222	92	287	19	178	10	372	334	265	64	5
		5	394	230	114	95	221	149	337	222	92	287	19	178	10	372	334	265	64	5
		25	446	352	159	127	327	245	508	-	-	-	-	-	-	508	470	329	44	5
		30	403	303	178	140	372	334	546	-	-	-	-	-	-	565	527	354	25	13
		40	403	303	178	140	372	334	546	-	-	-	-	-	-	565	527	354	25	13
	2	50	426	281	203	159	419	359	584	267	114	380	25	229	13	597	559	392	25	13
		60	426	281	203	159	419	359	584	267	114	380	25	229	13	597	559	392	25	13
		75	426	293	229	178	470	459	635	267	114	405	51	254	5	622	584	431	25	13
025-095		75	426	293	229	178	470	459	635	267	114	405	51	254	5	622	584	431	25	13
		3	394	264	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
	4	5	394	264	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
		7.5	394	287	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		10	394	287	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		1	361	220	89	70	175	133	311	-	-	-	-	-	-	368	330	215	114	5
		1.5	394	264	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
	6	2	394	264	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
		3	394	287	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		7.5	446	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
	4	10	446	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		15	446	325	159	127	327	245	508	-	-	-	-	-	-	508	470	329	44	5
025-110		2	446	289	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
	6	3	446	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		5	446	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		15	394	252	133	108	260	187	461	222	92	287	19	178	10	423	385	291	44	5
		20	435	248	159	127	327	245	508	222	92	287	19	178	10	514	476	304	19	10
	2	25	435	248	159	127	327	245	508	222	92	287	19	178	10	514	476	304	19	10
		30	392	255	178	140	372	334	546	229	95	312	44	203	5	565	527	354	25	13
030-070		40	392	255	178	140	372	334	546	229	95	312	44	203	5	565	527	354	25	13
		1.5	361	231	89	70	175	133	311	-	-	-	-	-	-	338	299	215	70	5
	4	2	361	231	89	70	175	133	311	-	-	-	-	-	-	338	299	215	70	5
		3	394	230	114	95	221	149	337	222	92	287	19	178	10	372	334	265	64	5
		5	394	230	114	95	221	149	337	222	92	287	19	178	10	372	334	265	64	5
		40	448	321	178	140	372	334	546	-	-	-	-	-	-	565	527	354	25	13
		50	471	300	203	159	419	359	584	267	114	415	25	229	13	597	559	392	25	13
		60	471	300	203	159	419	359	584	267	114	415	25	229	13	597	559	392	25	13
	2	75	471	313	229	178	470	459	635	267	114	440	51	254	5	622	584	431	25	13
		100	471	313	229	178	470	459	635	267	114	440	51	254	5	622	584	431	25	13
		125	471	339	254	203	541	490	705	254	108	440	76	279	5	699	660	506	25	13
030-095		5	439	282	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
	4	7.5	439	304	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		10	439	304	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		15	439	319	159	127	327	245	508	-	-	-	-	-	-	508	470	329	44	5
		1.5	439	282	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
		2	439	282	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
	6	3	439	304	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		5	439	304	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		10	446	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
030-110	4	15	446	325	159	127	327	245	508	-	-	-	-	-	-	508	470	329	44	5
		20	446	325	159	127	327	245	508	-	-	-	-	-	-	508	470	329	44	5

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [mm]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
	6	3	446	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		5	446	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		7.5	446	325	159	127	327	245	508	-	-	-	-	-	-	508	470	329	44	5
030-135	4	15	446	325	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		20	446	325	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		25	481	370	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
		30	481	370	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
		40	505	405	203	159	419	359	603	-	-	-	-	-	-	591	552	423	51	8
	6	5	446	311	133	108	260	187	461	-	-	-	-	-	-	445	406	291	121	5
		7.5	446	325	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		10	446	325	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		15	481	370	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
040-070	2	20	461	308	159	127	327	245	508	222	92	355	25	203	13	508	470	329	44	5
		25	461	308	159	127	327	245	508	222	92	355	25	203	13	508	470	329	44	5
		30	418	258	178	140	372	334	546	222	92	355	25	203	13	565	527	354	25	13
		40	418	258	178	140	372	334	546	222	92	355	25	203	13	565	527	354	25	13
		50	440	289	203	159	419	359	584	229	95	380	51	229	5	597	559	392	25	13
	4	2	387	231	89	70	175	133	311	-	-	-	-	-	-	363	325	215	89	5
		3	420	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
		5	420	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
		7.5	420	297	133	108	260	187	461	-	-	-	-	-	-	423	385	291	44	5
	6	0.75	387	231	89	70	175	133	311	-	-	-	-	-	-	363	325	215	89	5
		1	387	231	89	70	175	133	311	-	-	-	-	-	-	363	325	215	89	5
		1.5	420	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
		2	420	275	114	95	221	149	337	-	-	-	-	-	-	372	334	265	64	5
040-095	2	60	484	355	203	159	419	359	584	-	-	-	-	-	-	597	559	392	25	13
		75	484	313	229	178	470	459	635	267	114	415	25	254	13	622	584	431	25	13
		100	484	313	229	178	470	459	635	267	114	415	25	254	13	622	584	431	25	13
		125	484	332	254	203	541	490	705	267	114	440	51	279	5	699	660	506	25	13
	4	7.5	452	304	133	108	260	187	461	-	-	-	-	-	-	423	385	291	95	5
		10	452	304	133	108	260	187	461	-	-	-	-	-	-	423	385	291	95	5
		15	452	319	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
		20	452	319	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
	6	2	452	282	114	95	221	149	337	-	-	-	-	-	-	387	349	265	114	5
		3	452	304	133	108	260	187	461	-	-	-	-	-	-	423	385	291	95	5
		5	452	304	133	108	260	187	461	-	-	-	-	-	-	423	385	291	95	5
		7.5	452	319	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
040-110	4	15	459	325	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
		20	459	325	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
		25	494	370	178	140	372	334	549	-	-	-	-	-	-	552	514	385	51	8
		30	494	370	178	140	372	334	549	-	-	-	-	-	-	552	514	385	51	8
	6	3	459	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	95	5
		5	459	311	133	108	260	187	461	-	-	-	-	-	-	423	385	291	95	5
		7.5	459	325	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
		10	459	325	159	127	327	245	508	-	-	-	-	-	-	521	483	329	70	5
040-135	4	20	459	327	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		25	494	372	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
		30	494	372	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
		40	518	407	203	159	419	359	603	-	-	-	-	-	-	591	552	423	51	8
		50	518	407	203	159	419	359	603	-	-	-	-	-	-	591	552	423	51	8

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [mm]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
040-150	6	5	459	313	133	108	260	187	461	-	-	-	-	-	-	445	406	291	121	5
		7.5	459	327	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		10	459	327	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		15	494	372	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
	4	50	547	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		60	547	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	51	8
		75	547	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	51	8
		100	585	473	254	203	541	490	781	-	-	-	-	-	-	699	660	506	25	13
		125	585	473	254	203	541	490	781	-	-	-	-	-	-	699	660	506	25	13
		150	636	463	279	229	616	576	803	292	127	500	25	305	13	749	711	557	25	13
	6	15	530	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		20	530	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		25	547	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		30	547	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		40	547	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	51	8
050-070	2	25	461	340	159	127	327	245	508	-	-	-	-	-	-	508	470	329	44	5
		30	418	291	178	140	372	334	546	-	-	-	-	-	-	565	527	354	25	13
		40	418	291	178	140	372	334	546	-	-	-	-	-	-	565	527	354	25	13
		50	440	270	203	159	419	359	584	267	114	380	25	229	13	597	559	392	25	13
		60	440	270	203	159	419	359	584	267	114	380	25	229	13	597	559	392	25	13
		75	440	283	229	178	470	459	635	267	114	405	51	254	5	622	584	431	25	13
	4	3	420	262	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
		5	420	262	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
		7.5	420	284	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
		10	420	284	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
	6	0.75	387	218	89	70	175	133	311	-	-	-	-	-	-	368	330	215	114	5
		1	387	218	89	70	175	133	311	-	-	-	-	-	-	368	330	215	114	5
		1.5	420	262	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
		2	420	262	114	95	221	149	337	-	-	-	-	-	-	372	334	265	89	5
		3	420	284	133	108	260	187	461	-	-	-	-	-	-	423	385	291	70	5
050-095	4	10	504	356	133	108	260	187	461	-	-	-	-	-	-	445	406	291	121	5
		15	504	370	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		20	504	370	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		25	517	393	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
		30	517	393	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
	6	3	504	356	133	108	260	187	461	-	-	-	-	-	-	445	406	291	76	5
		5	504	356	133	108	260	187	461	-	-	-	-	-	-	445	406	291	121	5
		7.5	504	370	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		10	504	370	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
050-110	4	20	459	325	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		25	494	370	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
		30	494	370	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8
		40	518	405	203	159	419	359	603	-	-	-	-	-	-	591	552	423	51	8
	6	5	459	311	133	108	260	187	461	-	-	-	-	-	-	445	406	291	121	5
		7.5	459	325	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		10	459	325	159	127	327	245	508	-	-	-	-	-	-	533	495	329	95	5
		15	494	370	178	140	372	334	549	-	-	-	-	-	-	565	527	385	76	8

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [mm]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
050-135	4	25	530	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		30	530	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		40	547	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		50	547	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		60	547	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	51	8
		75	547	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	51	8
	6	10	515	366	159	127	327	245	508	-	-	-	-	-	-	546	508	329	121	5
		15	530	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		20	530	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
050-150	4	75	547	436	229	178	470	459	632	-	-	-	-	-	-	641	603	462	89	8
		100	585	485	254	203	541	490	781	-	-	-	-	-	-	686	648	545	64	12
		125	585	485	254	203	541	490	781	-	-	-	-	-	-	686	648	545	64	12
		150	636	512	279	229	616	576	803	-	-	-	-	-	-	940	902	588	38	8
	6	25	547	420	203	159	419	359	603	-	-	-	-	-	-	603	565	423	114	8
		30	547	420	203	159	419	359	603	-	-	-	-	-	-	603	565	423	114	8
		40	547	436	229	178	470	459	632	-	-	-	-	-	-	641	603	462	89	8
		50	547	436	229	178	470	459	632	-	-	-	-	-	-	641	603	462	89	8
		60	585	485	254	203	541	490	781	-	-	-	-	-	-	686	648	545	64	12
060-095	4	15	523	355	159	127	327	245	508	-	-	-	-	-	-	546	508	329	121	5
		20	523	355	159	127	327	245	508	-	-	-	-	-	-	546	508	329	121	5
		25	536	378	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		30	536	378	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		40	552	405	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
	6	5	523	341	133	108	260	187	461	-	-	-	-	-	-	445	406	291	146	5
		7.5	523	355	159	127	327	245	508	-	-	-	-	-	-	546	508	329	121	5
		10	523	355	159	127	327	245	508	-	-	-	-	-	-	546	508	329	121	5
		15	536	378	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
060-110	4	30	549	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		40	566	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		50	566	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		60	566	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	51	8
	6	7.5	534	366	159	127	327	245	508	-	-	-	-	-	-	546	508	329	121	5
		10	534	366	159	127	327	245	508	-	-	-	-	-	-	546	508	329	121	5
		15	549	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		20	549	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
060-135	4	40	566	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		50	566	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		60	566	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	51	8
		75	566	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	51	8
		100	604	473	254	203	541	490	781	-	-	-	-	-	-	699	660	506	25	13
		125	604	473	254	203	541	490	781	-	-	-	-	-	-	699	660	506	25	13
	6	10	534	366	159	127	327	245	508	-	-	-	-	-	-	546	508	329	121	5
		15	549	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		20	549	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	102	8
		25	566	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
		30	566	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	76	8
060-150	4	125	626	507	254	203	541	490	781	-	-	-	-	-	-	686	648	545	64	12
		150	651	508	279	229	616	576	803	-	-	-	-	-	-	940	902	588	38	8
		200	651	508	279	229	616	576	803	-	-	-	-	-	-	940	902	588	38	8
		250	651	508	279	229	616	576	1010	-	-	-	-	-	-	940	902	588	38	8

Pump size	Pole	P2 [hp]	Dimensions for pumps with ODP motors and support rails [mm]																	
			ODP motor							Support rail under pump						Support rail under motor				
			LP	Q	D	E	T	AB	AG	L7	L8	B7	H5	H7	HG3	L4	L6	B4	H6	HG1
	6	40	626	497	229	178	470	459	632	-	-	-	-	-	-	641	603	462	89	8
		50	626	497	229	178	470	459	632	-	-	-	-	-	-	641	603	462	89	8
		60	626	507	254	203	541	490	781	-	-	-	-	-	-	686	648	545	64	12
		75	626	507	254	203	541	490	781	-	-	-	-	-	-	686	648	545	64	12
		100	651	508	279	229	616	576	803	-	-	-	-	-	-	940	902	588	38	8
080-135	4	60	566	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	121	8
		75	566	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	121	8
		100	604	489	254	203	541	490	781	-	-	-	-	-	-	667	629	512	95	8
		125	604	489	254	203	541	490	781	-	-	-	-	-	-	667	629	512	95	8
		150	655	508	279	229	616	576	803	-	-	-	-	-	-	806	768	596	70	12
	6	15	549	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	171	8
		20	549	391	178	140	372	334	549	-	-	-	-	-	-	578	540	385	171	8
		25	566	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	146	8
		30	566	419	203	159	419	359	603	-	-	-	-	-	-	616	578	423	146	8
		40	566	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	121	8
		50	566	435	229	178	470	459	632	-	-	-	-	-	-	622	584	462	121	8
080-150	4	125	651	507	254	203	541	490	781	-	-	-	-	-	-	699	660	545	146	12
		150	676	504	279	229	616	576	803	-	-	-	-	-	-	959	921	596	121	12
		200	676	504	279	229	616	576	803	-	-	-	-	-	-	959	921	596	121	12
		250	676	504	279	229	616	576	1010	-	-	-	-	-	-	959	921	596	121	12
	6	40	651	491	229	178	470	459	632	-	-	-	-	-	-	654	616	470	171	12
		50	651	491	229	178	470	459	632	-	-	-	-	-	-	654	616	470	171	12
		60	651	507	254	203	541	490	781	-	-	-	-	-	-	699	660	545	146	12
		75	651	507	254	203	541	490	781	-	-	-	-	-	-	699	660	545	146	12
100-150	4	150	676	513	279	229	616	576	803	-	-	-	-	-	-	953	914	596	121	12
		200	666	513	279	229	616	576	803	-	-	-	-	-	-	953	914	596	171	12
		250	666	513	279	229	616	576	803	-	-	-	-	-	-	953	914	596	171	12
	6	50	666	504	279	178	616	576	1010	-	-	-	-	-	-	648	610	462	171	12
		60	641	516	229	203	470	459	632	-	-	-	-	-	-	699	660	545	222	8
		75	641	516	254	203	541	490	781	-	-	-	-	-	-	699	660	545	197	12
		100	641	513	254	229	541	490	781	-	-	-	-	-	-	953	914	596	197	12

Dimensions for NBS pumps with TEFC motors, mounting design F

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
012-070	2	3	14.6	13.9	3.9	7.9	12.4	6.9	0.6	6.3	35.2	6.3	17.9	11.0	-	11.3	15.6	13.6
		5	14.6	15.4	3.9	7.9	12.4	6.9	0.6	6.3	35.2	6.3	17.9	11.0	-	11.3	15.6	13.6
		7.5	14.6	16.6	3.9	8.0	13.1	8.0	0.6	6.3	34.6	6.3	17.0	11.3	-	11.3	15.6	13.6
		10	14.6	18.1	3.9	8.0	13.1	8.0	0.6	6.3	34.6	6.3	17.0	11.3	-	11.3	15.6	13.6
		15	14.6	20.1	3.9	9.0	15.6	10.2	0.6	6.9	38.0	6.9	20.4	10.8	-	13.0	17.4	15.4
	4	1	13.3	11.2	3.9	7.9	11.5	5.8	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
		1.5	13.3	11.2	3.9	7.9	11.5	5.8	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
015-070	2	5	14.6	15.4	3.9	7.9	12.4	6.9	0.6	6.3	35.2	6.3	17.9	11.0	-	11.3	15.6	13.6
		7.5	14.6	16.6	3.9	8.0	13.1	8.0	0.6	6.3	34.6	6.3	17.0	11.3	-	11.3	15.6	13.6
		10	14.6	18.1	3.9	8.0	13.1	8.0	0.6	6.3	34.6	6.3	17.0	11.3	-	11.3	15.6	13.6
		15	14.6	20.1	3.9	9.0	15.6	10.2	0.6	6.9	38.0	6.9	20.4	10.8	-	13.0	17.4	15.4
		20	14.6	20.1	3.9	9.0	15.6	10.2	0.6	6.9	38.0	6.9	20.4	10.8	-	13.0	17.4	15.4
	4	1	13.3	11.2	3.9	7.9	11.5	5.8	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
		1.5	13.3	11.2	3.9	7.9	11.5	5.8	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
		2	13.3	11.2	3.9	7.9	11.5	5.8	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
		3	14.6	13.9	3.9	7.9	12.4	6.9	0.6	5.7	32.8	5.7	17.9	9.3	-	11.1	13.8	12.7
015-090	2	15	17.1	20.1	3.9	9.7	16.3	10.2	0.6	6.5	41.6	6.5	22.4	12.8	-	14.8	19.1	17.2
		20	17.1	20.1	3.9	9.7	16.3	10.2	0.6	6.5	41.6	6.5	22.4	12.8	-	14.8	19.1	17.2
		25	15.4	21.8	3.9	10.2	16.9	12.2	0.6	7.3	40.2	7.3	20.2	12.7	-	14.8	18.1	16.8
		30	15.4	23.4	3.9	10.2	17.7	13.1	0.6	7.3	40.2	7.3	20.2	12.7	-	14.8	18.1	16.8
		40	16.3	25.4	3.9	11.8	19.2	13.7	1.0	8.1	44.4	8.1	22.3	14.1	-	16.5	22.8	20.1
	4	1.5	14.2	11.2	3.9	9.7	13.3	5.8	0.6	5.9	27.6	5.9	14.2	7.5	-	14.6	17.3	16.2
		2	14.2	11.2	3.9	9.7	13.3	5.8	0.6	5.9	27.6	5.9	14.2	7.5	-	14.6	17.3	16.2
		3	15.5	13.9	3.9	9.7	14.1	6.9	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		5	15.5	15.4	3.9	9.7	14.1	6.9	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
015-095	2	15	17.1	20.1	3.9	9.7	16.3	10.2	0.6	6.5	41.6	6.5	22.4	12.8	-	14.8	19.1	17.2
		20	17.1	20.1	3.9	9.7	16.3	10.2	0.6	6.5	41.6	6.5	22.4	12.8	-	14.8	19.1	17.2
		25	15.4	21.8	3.9	10.2	16.9	12.2	0.6	7.3	40.2	7.3	20.2	12.7	-	14.8	18.1	16.8
		30	15.4	23.4	3.9	10.2	17.7	13.1	0.6	7.3	40.2	7.3	20.2	12.7	-	14.8	18.1	16.8
		40	16.3	25.4	3.9	11.8	19.2	13.7	1.0	8.1	44.4	8.1	22.3	14.1	-	16.5	22.8	20.1
		50	16.3	25.3	3.9	11.8	20.1	14.6	1.0	8.1	44.4	8.1	22.3	14.1	-	16.5	22.8	20.1
	4	2	14.2	11.2	3.9	9.7	13.3	5.8	0.6	5.9	27.6	5.9	14.2	7.5	-	14.6	17.3	16.2
		3	15.5	13.9	3.9	9.7	14.1	6.9	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		5	15.5	15.4	3.9	9.7	14.1	6.9	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		7.5	15.5	16.6	3.9	9.7	14.8	8.0	0.6	5.9	32.6	5.9	17.0	9.7	-	14.6	17.3	16.2
020-095	2	15	17.5	20.1	3.9	9.7	16.3	10.2	0.6	6.5	42.0	6.5	23.4	12.2	-	14.8	19.1	17.2
		20	17.5	20.1	3.9	9.7	16.3	10.2	0.6	6.5	42.0	6.5	23.4	12.2	-	14.8	19.1	17.2
		25	15.9	21.8	3.9	10.2	16.9	12.2	0.6	7.3	40.6	7.3	21.4	11.9	-	14.8	18.1	16.8
		30	15.9	23.4	3.9	10.2	17.7	13.1	0.6	7.3	40.6	7.3	21.4	11.9	-	14.8	18.1	16.8
		40	16.8	25.4	3.9	11.8	19.2	13.7	1.0	8.1	44.1	8.1	23.3	12.7	-	16.5	22.8	20.1
		50	16.8	25.3	3.9	11.8	20.1	14.6	1.0	8.1	44.1	8.1	23.3	12.7	-	16.5	22.8	20.1
		60	16.8	27.8	3.9	15.6	25.7	18.1	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
	4	2	14.2	11.2	3.9	9.7	13.3	5.8	0.6	5.9	27.6	5.9	14.2	7.5	-	14.6	17.3	16.2
		3	15.5	13.9	3.9	9.7	14.1	6.9	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		5	15.5	15.4	3.9	9.7	14.1	6.9	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		7.5	15.5	16.6	3.9	9.7	14.8	8.0	0.6	5.9	32.6	5.9	17.0	9.7	-	14.6	17.3	16.2

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
020-110	4	5	15.5	15.4	3.9	9.7	14.1	6.9	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		7.5	15.5	16.6	3.9	9.7	14.8	8.0	0.6	5.9	32.6	5.9	17.0	9.7	-	14.6	17.3	16.2
		10	15.5	18.1	3.9	9.7	14.8	8.0	0.6	5.9	32.6	5.9	17.0	9.7	-	14.6	17.3	16.2
		15	15.5	20.1	3.9	9.7	16.3	10.2	0.6	5.9	38.8	5.9	21.6	11.4	-	14.6	17.3	16.2
020-135	4	7.5	17.6	16.6	5.5	12.0	17.1	8.0	0.6	6.5	34.6	6.5	18.3	9.7	-	15.6	18.9	17.6
		10	17.6	18.1	5.5	12.0	17.1	8.0	0.6	6.5	34.6	6.5	18.3	9.7	-	15.6	18.9	17.6
		15	17.6	20.1	5.5	12.0	18.6	10.2	0.6	6.5	40.8	6.5	22.6	11.7	-	15.6	18.9	17.6
		20	17.6	20.1	5.5	12.0	18.6	10.2	0.6	6.5	40.8	6.5	22.6	11.7	-	15.6	18.9	17.6
		25	18.9	23.4	5.5	12.0	19.4	13.1	0.6	6.5	41.0	6.5	22.5	12.1	-	15.6	18.9	17.6
025-070	2	7.5	15.5	16.6	5.5	9.6	14.7	8.0	1.0	7.7	36.9	7.7	17.6	11.6	-	13.2	18.7	16.3
		10	15.5	18.1	5.5	9.6	14.7	8.0	1.0	7.7	36.9	7.7	17.6	11.6	-	13.2	18.7	16.3
		15	15.5	20.1	5.5	9.7	16.3	10.2	1.0	7.7	39.6	7.7	20.4	11.6	-	13.2	18.7	16.3
		20	15.5	20.1	5.5	9.7	16.3	10.2	1.0	7.7	39.6	7.7	20.4	11.6	-	13.2	18.7	16.3
		25	15.4	21.8	5.5	10.4	17.1	12.2	1.0	7.5	40.6	7.5	20.2	12.9	-	15.0	20.5	18.0
		30	15.4	23.4	5.5	10.4	17.9	13.1	1.0	7.5	40.6	7.5	20.2	12.9	-	15.0	20.5	18.0
	4	1	14.2	11.2	5.5	9.6	13.2	5.8	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		1.5	14.2	11.2	5.5	9.6	13.2	5.8	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		2	14.2	11.2	5.5	9.6	13.2	5.8	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		3	15.5	13.9	5.5	9.6	14.0	6.9	0.6	7.1	35.2	7.1	17.9	10.2	-	13.0	16.8	15.2
		5	15.5	15.4	5.5	9.6	14.0	6.9	0.6	7.1	35.2	7.1	17.9	10.2	-	13.0	16.8	15.2
025-095	2	25	15.9	21.8	3.9	12.5	19.2	12.2	1.0	8.9	43.0	8.9	21.4	12.8	-	18.3	27.2	21.9
		30	15.9	23.4	3.9	12.5	20.0	13.1	1.0	8.9	43.0	8.9	21.4	12.8	-	18.3	27.2	21.9
		40	16.8	25.4	3.9	11.8	19.3	13.7	1.0	8.1	44.0	8.1	23.3	12.6	-	18.1	24.4	21.7
		50	16.8	25.3	3.9	11.8	20.1	14.6	1.0	8.1	44.0	8.1	23.3	12.6	-	18.1	24.4	21.7
		60	16.8	27.8	3.9	15.6	25.7	18.1	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		75	16.8	27.8	3.9	15.6	25.7	18.1	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
	4	3	15.5	13.9	3.9	11.0	15.4	6.9	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		5	15.5	15.4	3.9	11.0	15.4	6.9	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		7.5	15.5	16.6	3.9	11.0	16.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		10	15.5	18.1	3.9	11.0	16.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
	6	1	14.2	11.2	3.9	10.7	14.3	5.8	0.6	6.7	28.4	6.7	14.2	7.5	-	17.8	20.5	19.4
		1.5	15.5	13.9	3.9	11.0	15.4	6.9	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		2	15.5	15.4	3.9	11.0	15.4	6.9	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		3	15.5	16.6	3.9	11.0	16.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
025-110	4	7.5	17.6	16.6	5.5	12.1	17.3	8.0	0.6	8.1	37.3	8.1	18.3	10.9	-	16.5	22.0	19.1
		10	17.6	18.1	5.5	12.1	17.3	8.0	0.6	8.1	37.3	8.1	18.3	10.9	-	16.5	22.0	19.1
		15	17.6	20.1	5.5	12.1	18.8	10.2	0.6	8.1	43.8	8.1	22.5	13.3	-	16.5	22.0	19.1
	6	2	17.6	15.4	5.5	12.1	16.6	6.9	0.6	8.1	38.1	8.1	19.2	10.9	-	16.5	22.0	19.1
		3	17.6	16.6	5.5	12.1	17.3	8.0	0.6	8.1	37.3	8.1	18.3	10.9	-	16.5	22.0	19.1
		5	17.6	18.1	5.5	12.1	17.3	8.0	0.6	8.1	37.3	8.1	18.3	10.9	-	16.5	22.0	19.1
030-070	2	15	15.5	20.1	5.5	9.7	16.3	10.2	1.0	7.7	39.6	7.7	20.4	11.6	-	13.2	18.7	16.3
		20	15.5	20.1	5.5	9.7	16.3	10.2	1.0	7.7	39.6	7.7	20.4	11.6	-	13.2	18.7	16.3
		25	15.4	21.8	5.5	10.4	17.1	12.2	1.0	7.5	40.6	7.5	20.2	12.9	-	15.0	20.5	18.0
		30	15.4	23.4	5.5	10.4	17.9	13.1	1.0	7.5	40.6	7.5	20.2	12.9	-	15.0	20.5	18.0
		40	16.3	25.4	5.5	12.2	19.7	13.7	1.0	8.9	46.1	8.9	22.3	15.0	-	16.7	23.6	20.2
	4	1.5	14.2	11.2	5.5	9.6	13.2	5.8	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		2	14.2	11.2	5.5	9.6	13.2	5.8	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		3	15.5	13.9	5.5	9.6	14.0	6.9	0.6	7.1	35.2	7.1	17.9	10.2	-	13.0	16.8	15.2
		5	15.5	15.4	5.5	9.6	14.0	6.9	0.6	7.1	35.2	7.1	17.9	10.2	-	13.0	16.8	15.2

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
030-095	2	40	18.5	25.4	5.5	11.8	19.3	13.7	1.0	8.1	44.8	8.1	24.1	12.7	-	18.1	24.4	21.7
		50	18.5	25.3	5.5	11.8	20.1	14.6	1.0	8.1	44.8	8.1	24.1	12.7	-	18.1	24.4	21.7
		60	18.5	27.8	5.5	15.6	25.7	18.1	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		75	18.5	27.8	5.5	15.6	25.7	18.1	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		100	18.5	31.2	5.5	15.2	26.5	19.3	1.0	10.8	52.6	10.8	36.1	5.6	16.5	22.0	31.9	25.7
		125	19.1	36.8	5.5	16.8	29.2	24.6	1.0	11.4	63.5	11.4	45.8	6.3	17.8	24.5	35.8	28.5
	4	5	17.3	15.4	5.5	11.0	15.4	6.9	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		7.5	17.3	16.6	5.5	11.0	16.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		10	17.3	18.1	5.5	11.0	16.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		15	17.3	20.1	5.5	11.7	18.4	10.2	0.6	7.5	42.0	7.5	22.3	12.1	-	18.0	21.7	20.2
	6	1.5	17.3	13.9	5.5	11.0	15.4	6.9	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		2	17.3	15.4	5.5	11.0	15.4	6.9	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		3	17.3	16.6	5.5	11.0	16.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		5	17.3	18.1	5.5	11.0	16.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
030-110	4	10	17.6	18.1	5.5	11.0	16.1	8.0	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		15	17.6	20.1	5.5	11.7	18.4	10.2	0.6	7.5	42.2	7.5	22.6	12.1	-	18.0	21.7	20.2
		20	17.6	20.1	5.5	11.7	18.4	10.2	0.6	7.5	42.2	7.5	22.6	12.1	-	18.0	21.7	20.2
	6	3	17.6	16.6	5.5	11.0	16.1	8.0	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		5	17.6	18.1	5.5	11.0	16.1	8.0	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	17.6	20.1	5.5	11.7	18.4	10.2	0.6	7.5	42.2	7.5	22.6	12.1	-	18.0	21.7	20.2
030-135	4	15	17.6	20.1	5.5	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		20	17.6	20.1	5.5	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		25	18.9	23.4	5.5	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		30	18.9	23.4	5.5	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		40	19.9	25.3	5.5	12.7	20.9	14.7	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
	6	5	17.6	18.1	5.5	13.0	18.1	8.0	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	17.6	20.1	5.5	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		10	17.6	20.1	5.5	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		15	18.9	23.4	5.5	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
040-070	2	20	18.1	20.1	5.5	10.2	16.8	10.2	0.6	7.5	43.2	7.5	22.4	13.3	-	15.6	18.9	17.6
		25	16.4	21.8	5.5	10.8	17.4	12.2	0.6	7.1	39.6	7.1	20.2	12.3	-	15.6	19.4	17.8
		30	16.4	23.4	5.5	10.8	18.3	13.1	0.6	7.1	39.6	7.1	20.2	12.3	-	15.6	19.4	17.8
		40	17.3	25.4	5.5	12.2	19.6	13.7	1.0	8.9	46.1	8.9	22.3	15.0	-	16.7	23.6	20.2
		50	17.3	25.3	5.5	12.2	20.4	14.6	1.0	8.9	46.1	8.9	22.3	15.0	-	16.7	23.6	20.2
	4	2	15.2	11.2	5.5	9.7	13.3	5.8	0.6	6.3	28.0	6.3	14.2	7.5	-	15.4	18.1	17.0
		3	16.5	13.9	5.5	9.7	14.1	6.9	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
		5	16.5	15.4	5.5	9.7	14.1	6.9	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
		7.5	16.5	16.6	5.5	9.7	14.8	8.0	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
	6	1	15.2	11.2	5.5	9.7	13.3	5.8	0.6	6.3	28.0	6.3	14.2	7.5	-	15.4	18.1	17.0
		1.5	16.5	13.9	5.5	9.7	14.1	6.9	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
		2	16.5	15.4	5.5	9.7	14.1	6.9	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
040-095	2	60	19.0	27.8	5.5	15.6	25.7	18.1	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		75	19.0	27.8	5.5	15.6	25.7	18.1	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		100	19.0	31.2	5.5	15.2	26.5	19.3	1.0	10.8	52.6	10.8	36.1	5.6	16.5	22.0	31.9	25.7
		125	19.6	36.8	5.5	16.8	29.2	24.6	1.0	11.4	63.5	11.4	45.8	6.3	17.8	24.5	35.8	28.5
	4	7.5	17.8	16.6	5.5	12.0	17.1	8.0	0.6	6.9	34.6	6.9	17.8	9.9	-	18.0	21.3	19.9
		10	17.8	18.1	5.5	12.0	17.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		15	17.8	20.1	5.5	12.0	18.6	10.2	0.6	6.9	40.8	6.9	22.3	11.6	-	18.0	21.3	19.9
		20	17.8	20.1	5.5	12.0	18.6	10.2	0.6	6.9	40.8	6.9	22.3	11.6	-	18.0	21.3	19.9
	6	2	17.8	15.4	5.5	12.0	16.4	6.9	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		3	17.8	16.6	5.5	12.0	17.1	8.0	0.6	6.9	34.6	6.9	17.8	9.9	-	18.0	21.3	19.9
		5	17.8	18.1	5.5	12.0	17.1	8.0	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		7.5	17.8	20.1	5.5	12.0	18.6	10.2	0.6	6.9	40.8	6.9	22.3	11.6	-	18.0	21.3	19.9

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
040-110	4	15	18.1	20.1	5.5	12.0	18.6	10.2	0.6	6.9	41.2	6.9	22.6	11.7	-	18.0	21.3	19.9
		20	18.1	20.1	5.5	12.0	18.6	10.2	0.6	6.9	41.2	6.9	22.6	11.7	-	18.0	21.3	19.9
		25	19.4	23.4	5.5	13.1	20.6	13.1	0.6	8.1	43.8	8.1	22.5	13.3	-	18.1	23.6	20.6
		30	19.4	23.4	5.5	13.1	20.6	13.1	0.6	8.1	43.8	8.1	22.5	13.3	-	18.1	23.6	20.6
	6	3	18.1	16.6	5.5	12.0	17.1	8.0	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		5	18.1	18.1	5.5	12.0	17.1	8.0	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	18.1	20.1	5.5	12.0	18.6	10.2	0.6	6.9	41.2	6.9	22.6	11.7	-	18.0	21.3	19.9
		10	18.1	20.1	5.5	12.0	18.6	10.2	0.6	6.9	41.2	6.9	22.6	11.7	-	18.0	21.3	19.9
040-135	4	20	18.1	20.1	5.5	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		25	19.4	23.4	5.5	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		30	19.4	23.4	5.5	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		40	20.4	25.3	5.5	12.7	20.9	14.7	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		50	20.4	25.3	5.5	12.7	20.9	14.7	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
	6	5	18.1	18.1	5.5	13.0	18.1	8.0	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	18.1	20.1	5.5	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		10	18.1	20.1	5.5	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		15	19.4	23.4	5.5	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
040-150	4	50	21.5	25.3	7.1	16.1	24.3	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		60	21.5	27.8	7.1	16.1	26.2	18.1	1.0	10.8	53.9	10.8	35.7	7.3	16.8	22.0	31.9	25.7
		75	21.5	27.8	7.1	16.1	26.2	18.1	1.0	10.8	53.9	10.8	35.7	7.3	16.8	22.0	31.9	25.7
		100	23.0	31.2	7.1	16.1	27.6	19.4	1.0	10.8	56.6	10.8	40.1	5.7	22.4	22.1	33.5	26.1
		125	25.0	36.7	7.1	16.8	34.5	24.6	1.0	11.4	69.2	11.4	51.3	6.5	23.3	24.5	35.8	28.5
		150	25.0	36.5	7.1	16.8	34.5	24.6	1.0	11.4	69.2	11.4	51.3	6.5	23.3	24.5	35.8	28.5
	6	15	20.9	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		20	20.9	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		25	21.5	25.3	7.1	16.1	24.3	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		30	21.5	25.3	7.1	16.1	24.3	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		40	21.5	27.8	7.1	16.1	26.2	18.1	1.0	10.8	53.9	10.8	35.7	7.3	16.8	22.0	31.9	25.7
050-070	2	25	16.4	21.8	5.5	12.1	18.8	12.2	0.6	8.1	44.0	8.1	21.6	14.3	-	16.5	22.0	19.1
		30	16.4	23.4	5.5	12.1	19.6	13.1	0.6	8.1	44.0	8.1	21.6	14.3	-	16.5	22.0	19.1
		40	17.3	25.4	5.5	12.2	19.7	13.7	1.0	8.9	46.1	8.9	22.3	15.0	-	16.7	23.6	20.2
		50	17.3	25.3	5.5	12.2	20.5	14.6	1.0	8.9	46.1	8.9	22.3	15.0	-	16.7	23.6	20.2
		60	17.3	27.8	5.5	15.6	25.7	18.1	1.0	11.6	50.7	11.6	32.1	7.1	13.9	22.1	33.5	26.1
		75	17.3	27.8	5.5	15.6	25.7	18.1	1.0	11.6	50.7	11.6	32.1	7.1	13.9	22.1	33.5	26.1
	4	3	16.5	13.9	5.5	12.1	16.6	6.9	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		5	16.5	15.4	5.5	12.1	16.6	6.9	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		7.5	16.5	16.6	5.5	12.1	17.3	8.0	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		10	16.5	18.1	5.5	12.1	17.3	8.0	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
	6	1	15.2	11.2	5.5	12.1	15.7	5.8	0.6	8.1	31.3	8.1	14.2	9.1	-	16.5	22.0	19.1
		1.5	16.5	13.9	5.5	12.1	16.6	6.9	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		2	16.5	15.4	5.5	12.1	16.6	6.9	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		3	16.5	16.6	5.5	12.1	17.3	8.0	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
050-095	4	10	19.8	18.1	5.5	12.7	17.8	8.0	0.6	6.7	36.1	6.7	19.3	10.1	-	17.8	20.5	19.4
		15	19.8	20.1	5.5	12.7	19.3	10.2	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
		20	19.8	20.1	5.5	12.7	19.3	10.2	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
		25	20.3	23.4	5.5	12.7	20.1	13.1	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
		30	20.3	23.4	5.5	12.7	20.1	13.1	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
	6	3	19.8	16.6	5.5	12.7	17.8	8.0	0.6	6.7	36.1	6.7	19.3	10.1	-	17.8	20.5	19.4
		5	19.8	18.1	5.5	12.7	17.8	8.0	0.6	6.7	36.1	6.7	19.3	10.1	-	17.8	20.5	19.4
		7.5	19.8	20.1	5.5	12.7	19.3	10.2	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
		10	19.8	20.1	5.5	12.7	19.3	10.2	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
050-110	4	20	18.1	20.1	7.1	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		25	19.4	23.4	7.1	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		30	19.4	23.4	7.1	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		40	20.4	25.3	7.1	12.7	20.9	14.7	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
	6	5	18.1	18.1	7.1	13.0	18.1	8.0	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	18.1	20.1	7.1	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		10	18.1	20.1	7.1	12.7	19.3	10.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		15	19.4	23.4	7.1	12.7	20.1	13.1	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
050-135	4	25	20.9	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		30	20.9	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		40	21.5	25.3	7.1	16.1	24.3	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		50	21.5	25.3	7.1	16.1	24.3	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		60	21.5	27.8	7.1	17.1	27.2	18.1	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
		75	21.5	27.8	7.1	17.1	27.2	18.1	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
	6	10	20.3	20.1	7.1	16.1	22.7	10.2	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		15	20.9	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		20	20.9	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
050-150	4	75	21.5	27.8	7.1	17.6	27.7	18.1	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
		100	23.0	31.2	7.1	17.6	29.1	19.4	1.0	10.8	56.6	10.8	40.1	5.7	22.4	22.1	33.5	26.1
		125	25.0	36.7	7.1	17.1	34.8	24.6	1.0	9.8	67.8	9.8	51.3	6.7	23.3	24.2	33.1	27.8
		150	25.0	36.5	7.1	17.1	34.8	24.6	1.0	9.8	67.8	9.8	51.3	6.7	23.3	24.2	33.1	27.8
	6	25	21.5	25.3	7.1	17.6	25.8	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		30	21.5	25.3	7.1	17.6	25.8	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		40	21.5	27.8	7.1	17.6	27.7	18.1	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
		50	21.5	27.8	7.1	17.6	27.7	18.1	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
		60	23.0	31.3	7.1	17.6	28.9	19.3	1.0	10.8	56.6	10.8	40.1	5.7	22.4	22.1	33.5	26.1
060-095	4	15	20.6	20.1	7.1	16.1	22.7	10.2	1.0	10.8	46.9	10.8	22.1	13.9	-	22.0	31.9	25.7
		20	20.6	20.1	7.1	16.1	22.7	10.2	1.0	10.8	46.9	10.8	22.1	13.9	-	22.0	31.9	25.7
		25	21.1	23.4	7.1	16.1	23.6	13.1	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		30	21.1	23.4	7.1	16.1	23.6	13.1	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		40	21.7	25.3	7.1	16.1	24.3	14.7	1.0	11.8	52.4	11.8	24.2	16.4	-	22.0	31.9	25.7
	6	5	20.6	18.1	7.1	16.1	21.3	8.0	1.0	10.8	47.7	10.8	22.7	14.2	-	22.0	31.9	25.7
		7.5	20.6	20.1	7.1	16.1	22.7	10.2	1.0	10.8	46.9	10.8	22.1	13.9	-	22.0	31.9	25.7
		10	20.6	20.1	7.1	16.1	22.7	10.2	1.0	10.8	46.9	10.8	22.1	13.9	-	22.0	31.9	25.7
		15	21.1	23.4	7.1	16.1	23.6	13.1	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
060-110	4	30	21.6	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		40	22.3	25.3	7.1	16.1	24.3	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		50	22.3	25.3	7.1	16.1	24.3	14.7	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		60	22.3	27.8	7.1	16.1	26.2	18.1	1.0	10.8	53.9	10.8	35.7	7.3	16.8	22.0	31.9	25.7
	6	7.5	21.0	20.1	7.1	16.1	22.7	10.2	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		10	21.0	20.1	7.1	16.1	22.7	10.2	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		15	21.6	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		20	21.6	23.4	7.1	16.1	23.6	13.1	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
060-135	4	40	22.3	25.3	7.1	14.1	22.4	14.7	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8
		50	22.3	25.3	7.1	14.1	22.4	14.7	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8
		60	22.3	27.8	7.1	14.3	24.5	18.1	1.0	9.3	49.5	9.3	36.3	4.0	19.3	24.0	29.5	27.1
		75	22.3	27.8	7.1	14.3	24.5	18.1	1.0	9.3	49.5	9.3	36.3	4.0	19.3	24.0	29.5	27.1
		100	23.8	31.2	7.1	15.5	27.0	19.4	1.0	9.8	56.3	9.8	40.3	6.2	22.2	24.2	33.1	27.8
		125	25.8	36.7	7.1	16.8	34.5	24.6	1.0	11.4	69.2	11.4	51.3	6.5	23.3	24.5	35.8	28.5
	6	10	21.0	20.1	7.1	14.1	20.8	10.2	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8
		15	21.6	23.4	7.1	14.1	21.6	13.1	0.6	9.1	49.9	9.1	26.4	14.4	-	23.9	27.2	25.8
		20	21.6	23.4	7.1	14.1	21.6	13.1	0.6	9.1	49.9	9.1	26.4	14.4	-	23.9	27.2	25.8
		25	22.3	25.3	7.1	14.1	22.4	14.7	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8
		30	22.3	25.3	7.1	14.1	22.4	14.7	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
060-150	4	125	25.6	36.7	7.1	17.1	34.8	24.6	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
		150	25.6	36.5	7.1	17.1	34.8	24.6	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
		200	25.6	40.0	7.1	17.1	34.8	24.9	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
		250	25.6	45.3	7.1	17.1	34.8	24.5	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
	6	40	24.6	27.8	7.1	15.6	25.8	18.1	1.0	9.1	51.7	9.1	38.6	4.0	21.7	24.2	31.1	27.7
		50	24.6	27.8	7.1	15.6	25.8	18.1	1.0	9.1	51.7	9.1	38.6	4.0	21.7	24.2	31.1	27.7
		60	24.6	31.3	7.1	15.6	27.0	19.3	1.0	9.1	54.2	9.1	41.2	4.0	23.1	24.2	31.1	27.7
		75	24.6	31.2	7.1	15.6	27.1	19.4	1.0	9.1	54.2	9.1	41.2	4.0	23.1	24.2	31.1	27.7
		100	25.6	36.7	7.1	17.1	34.8	24.6	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
080-135	4	60	22.3	27.8	7.1	18.3	28.4	18.1	1.0	9.8	51.1	9.8	36.7	4.6	19.8	27.1	36.0	30.7
		75	22.3	27.8	7.1	18.3	28.4	18.1	1.0	9.8	51.1	9.8	36.7	4.6	19.8	27.1	36.0	30.7
		100	23.8	31.2	7.1	18.3	29.8	19.4	1.0	9.8	56.3	9.8	40.3	6.2	22.2	27.1	36.0	30.7
		125	25.8	36.7	7.1	21.0	38.8	24.6	1.0	12.0	72.7	12.0	37.7	23.0	-	27.6	40.4	31.6
		150	25.8	36.5	7.1	21.0	38.8	24.6	1.0	12.0	72.7	12.0	37.7	23.0	-	27.6	40.4	31.6
	6	15	21.6	23.4	7.1	18.3	25.7	13.1	1.0	9.3	48.7	9.3	27.1	12.4	-	27.0	32.5	30.1
		20	21.6	23.4	7.1	18.3	25.7	13.1	1.0	9.3	48.7	9.3	27.1	12.4	-	27.0	32.5	30.1
		25	22.3	25.3	7.1	18.3	26.5	14.7	1.0	9.3	48.7	9.3	27.1	12.4	-	27.0	32.5	30.1
		30	22.3	25.3	7.1	18.3	26.5	14.7	1.0	9.3	48.7	9.3	27.1	12.4	-	27.0	32.5	30.1
		40	22.3	27.8	7.1	18.3	28.4	18.1	1.0	9.8	51.1	9.8	36.7	4.6	19.8	27.1	36.0	30.7
		50	22.3	27.8	7.1	18.3	28.4	18.1	1.0	9.8	51.1	9.8	36.7	4.6	19.8	27.1	36.0	30.7
080-150	4	125	26.6	36.7	7.9	20.9	38.6	24.6	1.0	10.6	74.2	10.6	55.6	8.0	23.7	27.3	37.2	31.1
		150	26.6	36.5	7.9	20.9	38.6	24.6	1.0	10.6	74.2	10.6	55.6	8.0	23.7	27.3	37.2	31.1
		200	26.6	40.0	7.9	20.9	38.6	24.9	1.0	10.6	74.2	10.6	55.6	8.0	23.7	27.3	37.2	31.1
		250	26.6	45.3	7.9	20.9	38.6	24.5	1.0	10.6	74.2	10.6	55.6	8.0	23.7	27.3	37.2	31.1
	6	40	25.6	27.8	7.9	20.3	30.4	18.1	1.0	9.8	53.5	9.8	39.1	4.6	22.1	27.1	36.0	30.7
		50	25.6	27.8	7.9	20.3	30.4	18.1	1.0	9.8	53.5	9.8	39.1	4.6	22.1	27.1	36.0	30.7
		60	25.6	31.3	7.9	20.3	31.6	19.3	1.0	9.8	55.7	9.8	41.2	4.7	23.1	27.4	38.8	31.5
		75	25.6	31.2	7.9	20.3	31.8	19.4	1.0	9.8	55.7	9.8	41.2	4.7	23.1	27.4	38.8	31.5
100-150	4	150	27.6	36.5	7.9	22.9	40.6	24.6	1.0	10.6	75.8	10.6	56.0	9.2	24.1	27.3	37.2	31.1
		200	27.6	40.0	7.9	22.9	40.6	24.9	1.0	10.6	75.8	10.6	56.0	9.2	24.1	27.3	37.2	31.1
		250	27.6	45.3	7.9	22.9	40.6	24.5	1.0	10.6	75.8	10.6	56.0	9.2	24.1	27.3	37.2	31.1
	6	50	26.6	27.8	7.9	24.2	34.4	18.1	1.0	11.4	67.8	11.4	49.4	7.1	21.8	27.4	38.8	31.5
		60	26.6	31.3	7.9	22.9	34.2	19.3	1.0	10.6	66.7	10.6	49.8	6.3	22.3	27.3	37.2	31.1
		75	26.6	31.2	7.9	22.9	34.4	19.4	1.0	10.6	66.7	10.6	49.8	6.3	22.3	27.3	37.2	31.1
		100	27.6	36.7	7.9	22.9	40.6	24.6	1.0	10.6	75.8	10.6	56.0	9.2	24.1	27.3	37.2	31.1

Dimensions in mm.

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
012-070	2	3	372	353	100	201	314	175	16	160	894	160	454	280	-	286	396	346
		5	372	392	100	201	314	175	16	160	894	160	454	280	-	286	396	346
		7.5	372	422	100	203	334	203	16	160	880	160	432	288	-	286	396	346
		10	372	460	100	203	334	203	16	160	880	160	432	288	-	286	396	346
		15	372	511	100	228	397	259	16	175	966	175	517	274	-	331	441	391
	4	1	339	284	100	201	293	146	16	145	700	145	361	194	-	282	350	322
		1.5	339	284	100	201	293	146	16	145	700	145	361	194	-	282	350	322
015-070	2	5	372	392	100	201	314	175	16	160	894	160	454	280	-	286	396	346
		7.5	372	422	100	203	334	203	16	160	880	160	432	288	-	286	396	346
		10	372	460	100	203	334	203	16	160	880	160	432	288	-	286	396	346
		15	372	511	100	228	397	259	16	175	966	175	517	274	-	331	441	391
		20	372	511	100	228	397	259	16	175	966	175	517	274	-	331	441	391
	4	1	339	284	100	201	293	146	16	145	700	145	361	194	-	282	350	322
		1.5	339	284	100	201	293	146	16	145	700	145	361	194	-	282	350	322
		2	339	284	100	201	293	146	16	145	700	145	361	194	-	282	350	322
		3	372	353	100	201	314	175	16	145	834	145	454	235	-	282	350	322

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
015-090	2	15	435	511	100	246	414	259	16	165	1057	165	568	324	-	376	486	436
		20	435	511	100	246	414	259	16	165	1057	165	568	324	-	376	486	436
		25	392	553	100	260	428	310	16	185	1020	185	512	323	-	376	460	426
		30	392	594	100	260	449	334	16	185	1020	185	512	323	-	376	460	426
		40	415	646	100	300	489	347	26	205	1129	205	566	358	-	420	580	510
	4	1.5	361	284	100	246	337	146	16	150	701	150	361	190	-	372	440	412
		2	361	284	100	246	337	146	16	150	701	150	361	190	-	372	440	412
		3	394	353	100	246	359	175	16	150	842	150	454	238	-	372	440	412
		5	394	392	100	246	358	175	16	150	842	150	454	238	-	372	440	412
015-095	2	15	435	511	100	246	414	259	16	165	1057	165	568	324	-	376	486	436
		20	435	511	100	246	414	259	16	165	1057	165	568	324	-	376	486	436
		25	392	553	100	260	428	310	16	185	1020	185	512	323	-	376	460	426
		30	392	594	100	260	449	334	16	185	1020	185	512	323	-	376	460	426
		40	415	646	100	300	489	347	26	205	1129	205	566	358	-	420	580	510
		50	415	642	100	300	509	372	26	205	1129	205	566	358	-	420	580	510
	4	2	361	284	100	246	337	146	16	150	701	150	361	190	-	372	440	412
		3	394	353	100	246	359	175	16	150	842	150	454	238	-	372	440	412
		5	394	392	100	246	358	175	16	150	842	150	454	238	-	372	440	412
		7.5	394	422	100	246	376	203	16	150	828	150	432	246	-	372	440	412
020-095	2	15	446	511	100	246	414	259	16	165	1068	165	594	309	-	376	486	436
		20	446	511	100	246	414	259	16	165	1068	165	594	309	-	376	486	436
		25	403	553	100	260	428	310	16	185	1031	185	544	302	-	376	460	426
		30	403	594	100	260	449	334	16	185	1031	185	544	302	-	376	460	426
		40	426	646	100	300	489	347	26	205	1119	205	592	322	-	420	580	510
		50	426	642	100	300	509	372	26	205	1119	205	592	322	-	420	580	510
		60	426	706	100	396	653	460	26	295	1326	295	845	186	397	562	850	664
	4	2	361	284	100	246	337	146	16	150	701	150	361	190	-	372	440	412
		3	394	353	100	246	359	175	16	150	842	150	454	238	-	372	440	412
		5	394	392	100	246	358	175	16	150	842	150	454	238	-	372	440	412
		7.5	394	422	100	246	376	203	16	150	828	150	432	246	-	372	440	412
020-110	4	5	394	392	100	246	358	175	16	150	842	150	454	238	-	372	440	412
		7.5	394	422	100	246	376	203	16	150	828	150	432	246	-	372	440	412
		10	394	460	100	246	376	203	16	150	828	150	432	246	-	372	440	412
		15	394	511	100	246	414	259	16	150	986	150	548	289	-	372	440	412
020-135	4	7.5	446	422	140	304	434	203	16	165	878	165	465	248	-	396	480	446
		10	446	460	140	304	434	203	16	165	878	165	465	248	-	396	480	446
		15	446	511	140	304	472	259	16	165	1036	165	574	298	-	396	480	446
		20	446	511	140	304	472	259	16	165	1036	165	574	298	-	396	480	446
		25	481	594	140	304	493	333	16	165	1042	165	570	307	-	396	480	446
025-070	2	7.5	394	422	140	244	374	203	26	195	937	195	448	294	-	335	475	413
		10	394	460	140	244	374	203	26	195	937	195	448	294	-	335	475	413
		15	394	511	140	246	414	259	26	195	1006	195	517	294	-	335	475	413
		20	394	511	140	246	414	259	26	195	1006	195	517	294	-	335	475	413
		25	392	553	140	265	433	310	26	190	1031	190	512	329	-	380	520	458
		30	392	594	140	265	454	334	26	190	1031	190	512	329	-	380	520	458
	4	1	361	284	140	244	335	146	16	180	755	180	361	214	-	331	427	387
		1.5	361	284	140	244	335	146	16	180	755	180	361	214	-	331	427	387
		2	361	284	140	244	335	146	16	180	755	180	361	214	-	331	427	387
		3	394	353	140	244	357	175	16	180	894	180	454	260	-	331	427	387
		5	394	392	140	244	356	175	16	180	894	180	454	260	-	331	427	387

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
025-095	2	25	403	553	100	318	487	310	26	225	1093	225	544	324	-	464	690	556
		30	403	594	100	318	507	334	26	225	1093	225	544	324	-	464	690	556
		40	426	646	100	300	489	347	26	205	1118	205	592	321	-	460	620	550
		50	426	642	100	300	510	372	26	205	1118	205	592	321	-	460	620	550
		60	426	706	100	395	652	460	26	295	1326	295	845	186	397	562	850	664
		75	426	706	100	395	652	460	26	295	1326	295	845	186	397	562	850	664
	4	3	394	353	100	278	391	175	16	175	892	175	464	253	-	456	540	506
		5	394	392	100	278	391	175	16	175	892	175	464	253	-	456	540	506
		7.5	394	422	100	278	409	203	16	175	883	175	442	266	-	456	540	506
		10	394	460	100	278	409	203	16	175	883	175	442	266	-	456	540	506
	6	1	361	284	100	271	363	146	16	170	721	170	361	190	-	452	520	492
		1.5	394	353	100	278	391	175	16	175	892	175	464	253	-	456	540	506
		2	394	392	100	278	391	175	16	175	892	175	464	253	-	456	540	506
		3	394	422	100	278	409	203	16	175	883	175	442	266	-	456	540	506
025-110	4	7.5	446	422	140	308	439	203	16	205	948	205	465	278	-	420	560	484
		10	446	460	140	308	439	203	16	205	948	205	465	278	-	420	560	484
		15	446	511	140	308	476	259	16	205	1112	205	570	337	-	420	560	484
	6	2	446	392	140	308	421	175	16	205	969	205	488	276	-	420	560	484
		3	446	422	140	308	439	203	16	205	948	205	465	278	-	420	560	484
		5	446	460	140	308	439	203	16	205	948	205	465	278	-	420	560	484
030-070	2	15	394	511	140	246	414	259	26	195	1006	195	517	294	-	335	475	413
		20	394	511	140	246	414	259	26	195	1006	195	517	294	-	335	475	413
		25	392	553	140	265	433	310	26	190	1031	190	512	329	-	380	520	458
		30	392	594	140	265	454	334	26	190	1031	190	512	329	-	380	520	458
		40	415	646	140	311	500	347	26	225	1171	225	566	380	-	424	600	514
	4	1.5	361	284	140	244	335	146	16	180	755	180	361	214	-	331	427	387
		2	361	284	140	244	335	146	16	180	755	180	361	214	-	331	427	387
		3	394	353	140	244	357	175	16	180	894	180	454	260	-	331	427	387
		5	394	392	140	244	356	175	16	180	894	180	454	260	-	331	427	387
030-095	2	40	471	646	140	300	489	347	26	205	1139	205	612	322	-	460	620	550
		50	471	642	140	300	510	372	26	205	1139	205	612	322	-	460	620	550
		60	471	706	140	395	652	460	26	295	1326	295	845	186	397	562	850	664
		75	471	706	140	395	652	460	26	295	1326	295	845	186	397	562	850	664
		100	471	792	140	386	674	491	26	275	1336	275	918	143	420	558	810	654
		125	484	933	140	426	741	625	26	290	1614	290	1163	161	453	622	910	724
	4	5	440	392	140	278	391	175	16	175	892	175	464	253	-	456	540	506
		7.5	440	422	140	278	409	203	16	175	883	175	442	266	-	456	540	506
		10	440	460	140	278	409	203	16	175	883	175	442	266	-	456	540	506
		15	440	511	140	298	466	259	16	190	1066	190	568	309	-	456	552	512
	6	1.5	440	353	140	278	391	175	16	175	892	175	464	253	-	456	540	506
		2	440	392	140	278	391	175	16	175	892	175	464	253	-	456	540	506
		3	440	422	140	278	409	203	16	175	883	175	442	266	-	456	540	506
		5	440	460	140	278	409	203	16	175	883	175	442	266	-	456	540	506
030-110	4	10	446	460	140	278	409	203	16	175	888	175	465	248	-	456	540	506
		15	446	511	140	298	466	259	16	190	1071	190	574	308	-	456	552	512
		20	446	511	140	298	466	259	16	190	1071	190	574	308	-	456	552	512
	6	3	446	422	140	278	409	203	16	175	888	175	465	248	-	456	540	506
		5	446	460	140	278	409	203	16	175	888	175	465	248	-	456	540	506
		7.5	446	511	140	298	466	259	16	190	1071	190	574	308	-	456	552	512

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
030-135	4	15	446	511	140	322	490	259	16	185	1129	185	601	343	-	456	566	516
		20	446	511	140	322	490	259	16	185	1129	185	601	343	-	456	566	516
		25	481	594	140	322	511	333	16	185	1129	185	601	343	-	456	566	516
		30	481	594	140	322	511	333	16	185	1129	185	601	343	-	456	566	516
		40	505	644	140	322	531	373	16	185	1129	185	601	343	-	456	566	516
	6	5	446	460	140	329	460	203	16	175	888	175	465	248	-	456	540	506
		7.5	446	511	140	322	490	259	16	185	1129	185	601	343	-	456	566	516
		10	446	511	140	322	490	259	16	185	1129	185	601	343	-	456	566	516
		15	481	594	140	322	511	333	16	185	1129	185	601	343	-	456	566	516
040-070	2	20	461	511	140	259	427	259	16	190	1097	190	568	339	-	396	480	446
		25	418	553	140	275	443	310	16	180	1005	180	512	313	-	396	492	452
		30	418	594	140	275	464	334	16	180	1005	180	512	313	-	396	492	452
		40	441	646	140	310	499	347	26	225	1171	225	566	380	-	424	600	514
		50	441	642	140	310	519	372	26	225	1171	225	566	380	-	424	600	514
	4	2	387	284	140	246	337	146	16	160	711	160	361	190	-	392	460	432
		3	420	353	140	246	359	175	16	160	862	160	453	249	-	392	460	432
		5	420	392	140	246	358	175	16	160	862	160	453	249	-	392	460	432
		7.5	420	422	140	246	376	203	16	160	862	160	453	249	-	392	460	432
	6	1	387	284	140	246	337	146	16	160	711	160	361	190	-	392	460	432
		1.5	420	353	140	246	359	175	16	160	862	160	453	249	-	392	460	432
		2	420	392	140	246	358	175	16	160	862	160	453	249	-	392	460	432
040-095	2	60	484	706	140	396	653	460	26	295	1326	295	845	186	397	562	850	664
		75	484	706	140	396	653	460	26	295	1326	295	845	186	397	562	850	664
		100	484	792	140	386	673	491	26	275	1336	275	918	143	420	558	810	654
		125	497	933	140	427	741	625	26	290	1614	290	1163	161	453	622	910	724
	4	7.5	452	422	140	304	434	203	16	175	879	175	452	252	-	456	540	506
		10	452	460	140	304	434	203	16	175	883	175	442	266	-	456	540	506
		15	452	511	140	304	472	259	16	175	1036	175	568	294	-	456	540	506
		20	452	511	140	304	472	259	16	175	1036	175	568	294	-	456	540	506
	6	2	452	392	140	304	416	175	16	175	892	175	464	253	-	456	540	506
		3	452	422	140	304	434	203	16	175	879	175	452	252	-	456	540	506
		5	452	460	140	304	434	203	16	175	883	175	442	266	-	456	540	506
		7.5	452	511	140	304	472	259	16	175	1036	175	568	294	-	456	540	506
040-110	4	15	459	511	140	304	472	259	16	175	1046	175	574	298	-	456	540	506
		20	459	511	140	304	472	259	16	175	1046	175	574	298	-	456	540	506
		25	494	594	140	334	523	333	16	205	1112	205	570	337	-	460	600	524
		30	494	594	140	334	523	333	16	205	1112	205	570	337	-	460	600	524
	6	3	459	422	140	304	434	203	16	175	888	175	465	248	-	456	540	506
		5	459	460	140	304	434	203	16	175	888	175	465	248	-	456	540	506
		7.5	459	511	140	304	472	259	16	175	1046	175	574	298	-	456	540	506
		10	459	511	140	304	472	259	16	175	1046	175	574	298	-	456	540	506
040-135	4	20	459	511	140	322	490	259	16	185	1129	185	601	343	-	456	566	516
		25	494	594	140	322	511	333	16	185	1129	185	601	343	-	456	566	516
		30	494	594	140	322	511	333	16	185	1129	185	601	343	-	456	566	516
		40	518	644	140	322	531	373	16	185	1129	185	601	343	-	456	566	516
		50	518	644	140	322	531	373	16	185	1129	185	601	343	-	456	566	516
	6	5	459	460	140	329	460	203	16	175	888	175	465	248	-	456	540	506
		7.5	459	511	140	322	490	259	16	185	1129	185	601	343	-	456	566	516
		10	459	511	140	322	490	259	16	185	1129	185	601	343	-	456	566	516
		15	494	594	140	322	511	333	16	185	1129	185	601	343	-	456	566	516

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
040-150	4	50	547	644	180	409	618	373	26	275	1319	275	637	407	-	558	810	654
		60	547	706	180	409	666	460	26	275	1368	275	908	185	426	558	810	654
		75	547	706	180	409	666	460	26	275	1368	275	908	185	426	558	810	654
		100	585	792	180	409	701	492	26	275	1438	275	1019	144	569	562	850	664
		125	636	932	180	426	877	625	26	290	1757	290	1302	165	592	622	910	724
		150	636	927	180	426	877	625	26	290	1757	290	1302	165	592	622	910	724
	6	15	530	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654
		20	530	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654
		25	547	644	180	409	618	373	26	275	1319	275	637	407	-	558	810	654
		30	547	644	180	409	618	373	26	275	1319	275	637	407	-	558	810	654
		40	547	706	180	409	666	460	26	275	1368	275	908	185	426	558	810	654
050-070	2	25	418	553	140	308	477	310	16	205	1117	205	548	364	-	420	560	484
		30	418	594	140	308	497	334	16	205	1117	205	548	364	-	420	560	484
		40	441	646	140	310	499	347	26	225	1171	225	566	380	-	424	600	514
		50	441	642	140	310	520	372	26	225	1171	225	566	380	-	424	600	514
		60	441	706	140	395	652	460	26	295	1289	295	814	180	354	562	850	664
		75	441	706	140	395	652	460	26	295	1289	295	814	180	354	562	850	664
	4	3	420	353	140	308	421	175	16	205	947	205	438	304	-	420	560	484
		5	420	392	140	308	421	175	16	205	947	205	438	304	-	420	560	484
		7.5	420	422	140	308	439	203	16	205	947	205	438	304	-	420	560	484
		10	420	460	140	308	439	203	16	205	947	205	438	304	-	420	560	484
	6	1	387	284	140	308	400	146	16	205	796	205	361	230	-	420	560	484
		1.5	420	353	140	308	421	175	16	205	947	205	438	304	-	420	560	484
		2	420	392	140	308	421	175	16	205	947	205	438	304	-	420	560	484
		3	420	422	140	308	439	203	16	205	947	205	438	304	-	420	560	484
050-095	4	10	504	460	140	322	453	203	16	170	918	170	490	258	-	452	520	492
		15	504	511	140	322	490	259	16	170	1076	170	600	306	-	452	520	492
		20	504	511	140	322	490	259	16	170	1076	170	600	306	-	452	520	492
		25	517	594	140	322	511	333	16	170	1076	170	600	306	-	452	520	492
		30	517	594	140	322	511	333	16	170	1076	170	600	306	-	452	520	492
	6	3	504	422	140	322	453	203	16	170	918	170	490	258	-	452	520	492
		5	504	460	140	322	453	203	16	170	918	170	490	258	-	452	520	492
		7.5	504	511	140	322	490	259	16	170	1076	170	600	306	-	452	520	492
		10	504	511	140	322	490	259	16	170	1076	170	600	306	-	452	520	492
050-110	4	20	459	511	180	322	490	259	16	185	1129	185	601	343	-	456	566	516
		25	494	594	180	322	511	333	16	185	1129	185	601	343	-	456	566	516
		30	494	594	180	322	511	333	16	185	1129	185	601	343	-	456	566	516
		40	518	644	180	322	531	373	16	185	1129	185	601	343	-	456	566	516
	6	5	459	460	180	329	460	203	16	175	888	175	465	248	-	456	540	506
		7.5	459	511	180	322	490	259	16	185	1129	185	601	343	-	456	566	516
		10	459	511	180	322	490	259	16	185	1129	185	601	343	-	456	566	516
		15	494	594	180	322	511	333	16	185	1129	185	601	343	-	456	566	516
050-135	4	25	530	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654
		30	530	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654
		40	547	644	180	409	618	373	26	275	1319	275	637	407	-	558	810	654
		50	547	644	180	409	618	373	26	275	1319	275	637	407	-	558	810	654
		60	547	706	180	434	691	460	26	275	1343	275	908	160	426	558	810	654
		75	547	706	180	434	691	460	26	275	1343	275	908	160	426	558	810	654
	6	10	515	511	180	409	578	259	26	300	1330	300	652	378	-	558	810	654
		15	530	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654
		20	530	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
050-150	4	75	547	706	180	448	704	460	26	275	1343	275	908	160	426	558	810	654
		100	585	792	180	448	739	492	26	275	1438	275	1019	144	569	562	850	664
		125	636	932	180	434	884	625	26	250	1722	250	1302	170	592	614	840	706
		150	636	927	180	434	884	625	26	250	1722	250	1302	170	592	614	840	706
	6	25	547	644	180	448	657	373	26	275	1319	275	637	407	-	558	810	654
		30	547	644	180	448	657	373	26	275	1319	275	637	407	-	558	810	654
		40	547	706	180	448	704	460	26	275	1343	275	908	160	426	558	810	654
		50	547	706	180	448	704	460	26	275	1343	275	908	160	426	558	810	654
		60	585	796	180	448	735	491	26	275	1438	275	1019	144	569	562	850	664
060-095	4	15	523	511	180	409	578	259	26	275	1190	275	561	354	-	558	810	654
		20	523	511	180	409	578	259	26	275	1190	275	561	354	-	558	810	654
		25	536	594	180	409	598	333	26	300	1330	300	652	378	-	558	810	654
		30	536	594	180	409	598	333	26	300	1330	300	652	378	-	558	810	654
		40	552	644	180	409	618	373	26	300	1330	300	614	416	-	558	810	654
	6	5	523	460	180	409	540	203	26	275	1212	275	576	361	-	558	810	654
		7.5	523	511	180	409	578	259	26	275	1190	275	561	354	-	558	810	654
		10	523	511	180	409	578	259	26	275	1190	275	561	354	-	558	810	654
		15	536	594	180	409	598	333	26	300	1330	300	652	378	-	558	810	654
060-110	4	30	549	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654
		40	566	644	180	409	618	373	26	275	1319	275	637	407	-	558	810	654
		50	566	644	180	409	618	373	26	275	1319	275	637	407	-	558	810	654
		60	566	706	180	409	666	460	26	275	1368	275	908	185	426	558	810	654
	6	7.5	534	511	180	409	578	259	26	300	1330	300	652	378	-	558	810	654
		10	534	511	180	409	578	259	26	300	1330	300	652	378	-	558	810	654
		15	549	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654
		20	549	594	180	409	598	333	26	275	1318	275	629	415	-	558	810	654
060-135	4	40	566	644	180	359	568	373	16	230	1281	230	703	348	-	606	690	656
		50	566	644	180	359	568	373	16	230	1281	230	703	348	-	606	690	656
		60	566	706	180	364	621	460	26	235	1258	235	921	102	491	610	750	688
		75	566	706	180	364	621	460	26	235	1258	235	921	102	491	610	750	688
		100	604	792	180	394	686	492	26	250	1430	250	1024	156	564	614	840	706
		125	655	932	180	426	877	625	26	290	1757	290	1302	165	592	622	910	724
	6	10	534	511	180	359	528	259	16	230	1281	230	703	348	-	606	690	656
		15	549	594	180	359	548	333	16	230	1267	230	670	367	-	606	690	656
		20	549	594	180	359	548	333	16	230	1267	230	670	367	-	606	690	656
		25	566	644	180	359	568	373	16	230	1281	230	703	348	-	606	690	656
		30	566	644	180	359	568	373	16	230	1281	230	703	348	-	606	690	656
060-150	4	125	651	932	180	434	884	625	26	250	1845	250	1428	167	588	614	840	706
		150	651	927	180	434	884	625	26	250	1845	250	1428	167	588	614	840	706
		200	651	1015	180	434	884	633	26	250	1845	250	1428	167	588	614	840	706
		250	651	1149	180	434	884	622	26	250	1845	250	1428	167	588	614	840	706
	6	40	626	706	180	398	654	460	26	230	1313	230	981	102	551	614	790	704
		50	626	706	180	398	654	460	26	230	1313	230	981	102	551	614	790	704
		60	626	796	180	398	685	491	26	230	1376	230	1046	100	586	614	790	704
		75	626	792	180	398	689	492	26	230	1376	230	1046	100	586	614	790	704
		100	651	932	180	434	884	625	26	250	1845	250	1428	167	588	614	840	706

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
080-135	4	60	566	706	180	465	722	460	26	250	1299	250	933	116	503	689	915	781
		75	566	706	180	465	722	460	26	250	1299	250	933	116	503	689	915	781
		100	604	792	180	464	756	492	26	250	1430	250	1024	156	564	689	915	781
		125	655	932	180	534	985	625	26	305	1847	305	957	585	-	701	1025	803
		150	655	927	180	534	985	625	26	305	1847	305	957	585	-	701	1025	803
	6	15	549	594	180	464	653	333	26	235	1238	235	688	315	-	685	825	765
		20	549	594	180	464	653	333	26	235	1238	235	688	315	-	685	825	765
		25	566	644	180	464	673	373	26	235	1238	235	688	315	-	685	825	765
		30	566	644	180	464	673	373	26	235	1238	235	688	315	-	685	825	765
		40	566	706	180	465	722	460	26	250	1299	250	933	116	503	689	915	781
		50	566	706	180	465	722	460	26	250	1299	250	933	116	503	689	915	781
080-150	4	125	676	932	200	530	981	625	26	270	1885	270	1413	202	603	693	945	789
		150	676	927	200	530	981	625	26	270	1885	270	1413	202	603	693	945	789
		200	676	1015	200	530	981	633	26	270	1885	270	1413	202	603	693	945	789
		250	676	1149	200	530	981	622	26	270	1885	270	1413	202	603	693	945	789
	6	40	651	706	200	515	772	460	26	250	1359	250	993	116	563	689	915	781
		50	651	706	200	515	772	460	26	250	1359	250	993	116	563	689	915	781
		60	651	796	200	515	802	491	26	250	1416	250	1046	120	586	697	985	799
		75	651	792	200	515	807	492	26	250	1416	250	1046	120	586	697	985	799
100-150	4	150	701	927	200	581	1032	625	26	270	1926	270	1422	234	612	693	945	789
		200	701	1015	200	581	1032	633	26	270	1926	270	1422	234	612	693	945	789
		250	701	1149	200	581	1032	622	26	270	1926	270	1422	234	612	693	945	789
	6	50	676	706	200	616	873	460	26	290	1723	290	1254	179	554	697	985	799
		60	676	796	200	581	868	491	26	270	1695	270	1266	159	566	693	945	789
		75	676	792	200	581	873	492	26	270	1695	270	1266	159	566	693	945	789
		100	701	932	200	581	1032	625	26	270	1926	270	1422	234	612	693	945	789

Dimensions for NBS pumps with ODP motors, mounting design F

For more dimensions, see Section *15.14 Flange and bare pump dimensions*.

Dimensions in inch.

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
012-070	2	3	13.3	10.9	3.9	7.9	11.2	5.6	0.6	6.3	28.8	6.3	14.2	8.3	-	11.3	15.6	13.6
		5	14.6	12.4	3.9	7.9	12.4	6.8	0.6	6.3	35.2	6.3	17.9	11.0	-	11.3	15.6	13.6
		7.5	14.6	13.9	3.9	7.9	12.4	6.8	0.6	6.3	35.2	6.3	17.9	11.0	-	11.3	15.6	13.6
		10	14.6	13.9	3.9	8.0	12.8	7.9	0.6	6.3	34.6	6.3	17.0	11.3	-	11.3	15.6	13.6
		15	14.6	15.1	3.9	8.0	12.8	7.9	0.6	6.3	34.6	6.3	17.0	11.3	-	11.3	15.6	13.6
	4	1	13.3	9.5	3.9	7.9	11.2	5.6	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
		1.5	13.3	10.9	3.9	7.9	11.2	5.6	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
015-070	2	5	14.6	12.4	3.9	7.9	12.4	6.8	0.6	6.3	35.2	6.3	17.9	11.0	-	11.3	15.6	13.6
		7.5	14.6	13.9	3.9	7.9	12.4	6.8	0.6	6.3	35.2	6.3	17.9	11.0	-	11.3	15.6	13.6
		10	14.6	13.9	3.9	8.0	12.8	7.9	0.6	6.3	34.6	6.3	17.0	11.3	-	11.3	15.6	13.6
		15	14.6	15.1	3.9	8.0	12.8	7.9	0.6	6.3	34.6	6.3	17.0	11.3	-	11.3	15.6	13.6
		20	14.6	19.4	3.9	9.0	14.7	9.6	0.6	6.9	38.0	6.9	20.4	10.8	-	13.0	17.4	15.4
	4	1	13.3	9.5	3.9	7.9	11.2	5.6	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
		1.5	13.3	10.9	3.9	7.9	11.2	5.6	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
		2	13.3	10.9	3.9	7.9	11.2	5.6	0.6	5.7	27.6	5.7	14.2	7.6	-	11.1	13.8	12.7
		3	14.6	12.4	3.9	7.9	12.4	6.8	0.6	5.7	32.8	5.7	17.9	9.3	-	11.1	13.8	12.7
015-090	2	15	15.5	15.1	3.9	9.7	14.5	7.9	0.6	6.5	33.8	6.5	17.4	9.9	-	14.8	19.1	17.2
		20	17.1	19.4	3.9	9.7	15.4	9.6	0.6	6.5	41.6	6.5	22.4	12.8	-	14.8	19.1	17.2
		25	17.1	19.4	3.9	9.7	15.4	9.6	0.6	6.5	41.6	6.5	22.4	12.8	-	14.8	19.1	17.2
		30	15.4	19.4	3.9	10.2	16.9	12.2	0.6	7.3	40.2	7.3	20.2	12.7	-	14.8	18.1	16.8
		40	15.4	19.4	3.9	10.2	16.9	12.2	0.6	7.3	40.2	7.3	20.2	12.7	-	14.8	18.1	16.8
	4	1.5	14.2	10.9	3.9	9.7	13.0	5.6	0.6	5.9	27.6	5.9	14.2	7.5	-	14.6	17.3	16.2
		2	14.2	10.9	3.9	9.7	13.0	5.6	0.6	5.9	27.6	5.9	14.2	7.5	-	14.6	17.3	16.2
		3	15.5	12.4	3.9	9.7	14.1	6.8	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		5	15.5	13.9	3.9	9.7	14.1	6.8	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
015-095	2	15	15.5	15.1	3.9	9.7	14.5	7.9	0.6	6.5	33.8	6.5	17.4	9.9	-	14.8	19.1	17.2
		20	17.1	19.4	3.9	9.7	15.4	9.6	0.6	6.5	41.6	6.5	22.4	12.8	-	14.8	19.1	17.2
		25	17.1	19.4	3.9	9.7	15.4	9.6	0.6	6.5	41.6	6.5	22.4	12.8	-	14.8	19.1	17.2
		30	15.4	19.4	3.9	10.2	16.9	12.2	0.6	7.3	40.2	7.3	20.2	12.7	-	14.8	18.1	16.8
		40	15.4	19.4	3.9	10.2	16.9	12.2	0.6	7.3	40.2	7.3	20.2	12.7	-	14.8	18.1	16.8
		50	16.3	22.2	3.9	11.8	18.4	12.2	1.0	8.1	44.4	8.1	22.3	14.1	-	16.5	22.8	20.1
	4	2	14.2	10.9	3.9	9.7	13.0	5.6	0.6	5.9	27.6	5.9	14.2	7.5	-	14.6	17.3	16.2
		3	15.5	12.4	3.9	9.7	14.1	6.8	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		5	15.5	13.9	3.9	9.7	14.1	6.8	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		7.5	15.5	13.9	3.9	9.7	14.5	7.9	0.6	5.9	32.6	5.9	17.0	9.7	-	14.6	17.3	16.2
020-095	2	15	15.9	15.1	3.9	9.7	14.5	7.9	0.6	6.5	34.2	6.5	18.4	9.3	-	14.8	19.1	17.2
		20	17.5	19.4	3.9	9.7	15.4	9.6	0.6	6.5	42.0	6.5	23.4	12.2	-	14.8	19.1	17.2
		25	17.5	19.4	3.9	9.7	15.4	9.6	0.6	6.5	42.0	6.5	23.4	12.2	-	14.8	19.1	17.2
		30	15.9	19.4	3.9	10.2	16.9	12.2	0.6	7.3	40.6	7.3	21.4	11.9	-	14.8	18.1	16.8
		40	15.9	19.4	3.9	10.2	16.9	12.2	0.6	7.3	40.6	7.3	21.4	11.9	-	14.8	18.1	16.8
		50	16.8	22.2	3.9	11.8	18.4	12.2	1.0	8.1	44.1	8.1	23.3	12.7	-	16.5	22.8	20.1
		60	16.8	21.7	3.9	11.8	19.4	13.2	1.0	8.1	44.1	8.1	23.3	12.7	-	16.5	22.8	20.1
	4	2	14.2	10.9	3.9	9.7	13.0	5.6	0.6	5.9	27.6	5.9	14.2	7.5	-	14.6	17.3	16.2
		3	15.5	12.4	3.9	9.7	14.1	6.8	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		5	15.5	13.9	3.9	9.7	14.1	6.8	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		7.5	15.5	13.9	3.9	9.7	14.5	7.9	0.6	5.9	32.6	5.9	17.0	9.7	-	14.6	17.3	16.2
020-110	4	5	15.5	13.9	3.9	9.7	14.1	6.8	0.6	5.9	33.1	5.9	17.9	9.4	-	14.6	17.3	16.2
		7.5	15.5	13.9	3.9	9.7	14.5	7.9	0.6	5.9	32.6	5.9	17.0	9.7	-	14.6	17.3	16.2
		10	15.5	15.1	3.9	9.7	14.5	7.9	0.6	5.9	32.6	5.9	17.0	9.7	-	14.6	17.3	16.2
		15	15.5	19.4	3.9	9.7	15.4	9.6	0.6	5.9	38.8	5.9	21.6	11.4	-	14.6	17.3	16.2

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
020-135	4	7.5	17.6	13.9	5.5	12.0	16.7	7.9	0.6	6.5	34.6	6.5	18.3	9.7	-	15.6	18.9	17.6
		10	17.6	15.1	5.5	12.0	16.7	7.9	0.6	6.5	34.6	6.5	18.3	9.7	-	15.6	18.9	17.6
		15	17.6	19.4	5.5	12.0	17.7	9.6	0.6	6.5	40.8	6.5	22.6	11.7	-	15.6	18.9	17.6
		20	17.6	19.4	5.5	12.0	17.7	9.6	0.6	6.5	40.8	6.5	22.6	11.7	-	15.6	18.9	17.6
		25	18.9	20.7	5.5	12.0	18.6	12.2	0.6	6.5	41.0	6.5	22.5	12.1	-	15.6	18.9	17.6
025-070	2	7.5	15.5	13.9	5.5	9.6	14.0	6.8	1.0	7.7	36.9	7.7	17.6	11.6	-	13.2	18.7	16.3
		10	15.5	13.9	5.5	9.6	14.4	7.9	1.0	7.7	36.9	7.7	17.6	11.6	-	13.2	18.7	16.3
		15	15.5	15.1	5.5	9.6	14.4	7.9	1.0	7.7	36.9	7.7	17.6	11.6	-	13.2	18.7	16.3
		20	15.5	19.4	5.5	9.7	15.4	9.6	1.0	7.7	39.6	7.7	20.4	11.6	-	13.2	18.7	16.3
		25	15.5	19.4	5.5	9.7	15.4	9.6	1.0	7.7	39.6	7.7	20.4	11.6	-	13.2	18.7	16.3
		30	15.4	19.4	5.5	10.4	17.1	12.2	1.0	7.5	40.6	7.5	20.2	12.9	-	15.0	20.5	18.0
	4	1	14.2	9.5	5.5	9.6	12.9	5.6	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		1.5	14.2	10.9	5.5	9.6	12.9	5.6	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		2	14.2	10.9	5.5	9.6	12.9	5.6	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		3	15.5	12.4	5.5	9.6	14.0	6.8	0.6	7.1	35.2	7.1	17.9	10.2	-	13.0	16.8	15.2
		5	15.5	13.9	5.5	9.6	14.0	6.8	0.6	7.1	35.2	7.1	17.9	10.2	-	13.0	16.8	15.2
025-095	2	25	17.5	19.4	3.9	11.8	17.6	9.6	1.0	8.1	45.3	8.1	23.4	13.9	-	18.1	24.4	21.7
		30	15.9	19.4	3.9	12.5	19.2	12.2	1.0	8.9	43.0	8.9	21.4	12.8	-	18.3	27.2	21.9
		40	15.9	19.4	3.9	12.5	19.2	12.2	1.0	8.9	43.0	8.9	21.4	12.8	-	18.3	27.2	21.9
		50	16.8	22.2	3.9	11.8	18.4	12.2	1.0	8.1	44.0	8.1	23.3	12.6	-	18.1	24.4	21.7
		60	16.8	21.7	3.9	11.8	19.4	13.2	1.0	8.1	44.0	8.1	23.3	12.6	-	18.1	24.4	21.7
		75	16.8	22.3	3.9	15.6	23.1	12.6	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
	4	3	15.5	12.4	3.9	11.0	15.4	6.8	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		5	15.5	13.9	3.9	11.0	15.4	6.8	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		7.5	15.5	13.9	3.9	11.0	15.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		10	15.5	15.1	3.9	11.0	15.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
	6	1	14.2	10.9	3.9	10.7	14.0	5.6	0.6	6.7	28.4	6.7	14.2	7.5	-	17.8	20.5	19.4
		1.5	15.5	12.4	3.9	11.0	15.4	6.8	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		2	15.5	13.9	3.9	11.0	15.4	6.8	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		3	15.5	13.9	3.9	11.0	15.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
025-110	4	7.5	17.6	13.9	5.5	12.1	16.9	7.9	0.6	8.1	37.3	8.1	18.3	10.9	-	16.5	22.0	19.1
		10	17.6	15.1	5.5	12.1	16.9	7.9	0.6	8.1	37.3	8.1	18.3	10.9	-	16.5	22.0	19.1
		15	17.6	19.4	5.5	12.1	17.9	9.6	0.6	8.1	43.8	8.1	22.5	13.3	-	16.5	22.0	19.1
	6	2	17.6	13.9	5.5	12.1	16.6	6.8	0.6	8.1	38.1	8.1	19.2	10.9	-	16.5	22.0	19.1
		3	17.6	13.9	5.5	12.1	16.9	7.9	0.6	8.1	37.3	8.1	18.3	10.9	-	16.5	22.0	19.1
		5	17.6	15.1	5.5	12.1	16.9	7.9	0.6	8.1	37.3	8.1	18.3	10.9	-	16.5	22.0	19.1
030-070	2	15	15.5	15.1	5.5	9.6	14.4	7.9	1.0	7.7	35.9	7.7	17.4	10.9	-	13.2	18.7	16.3
		20	15.5	19.4	5.5	9.7	15.4	9.6	1.0	7.7	39.6	7.7	20.4	11.6	-	13.2	18.7	16.3
		25	15.5	19.4	5.5	9.7	15.4	9.6	1.0	7.7	39.6	7.7	20.4	11.6	-	13.2	18.7	16.3
		30	15.4	19.4	5.5	10.4	17.1	12.2	1.0	7.5	40.6	7.5	20.2	12.9	-	15.0	20.5	18.0
		40	15.4	19.4	5.5	10.4	17.1	12.2	1.0	7.5	40.6	7.5	20.2	12.9	-	15.0	20.5	18.0
	4	1.5	14.2	10.9	5.5	9.6	12.9	5.6	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		2	14.2	10.9	5.5	9.6	12.9	5.6	0.6	7.1	29.7	7.1	14.2	8.4	-	13.0	16.8	15.2
		3	15.5	12.4	5.5	9.6	14.0	6.8	0.6	7.1	35.2	7.1	17.9	10.2	-	13.0	16.8	15.2
		5	15.5	13.9	5.5	9.6	14.0	6.8	0.6	7.1	35.2	7.1	17.9	10.2	-	13.0	16.8	15.2

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
030-095	2	40	17.6	19.4	5.5	12.5	19.2	12.2	1.0	8.9	47.4	8.9	22.2	16.3	-	18.3	27.2	21.9
		50	18.5	22.2	5.5	11.8	18.4	12.2	1.0	8.1	44.8	8.1	24.1	12.7	-	18.1	24.4	21.7
		60	18.5	21.7	5.5	11.8	19.4	13.2	1.0	8.1	44.8	8.1	24.1	12.7	-	18.1	24.4	21.7
		75	18.5	22.3	5.5	15.6	23.1	12.6	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		100	18.5	24.3	5.5	15.6	23.1	12.6	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		125	18.5	29.6	5.5	15.2	23.6	16.4	1.0	10.8	52.6	10.8	36.1	5.6	16.5	22.0	31.9	25.7
	4	5	17.3	13.9	5.5	11.0	15.4	6.8	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		7.5	17.3	13.9	5.5	11.0	15.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		10	17.3	15.1	5.5	11.0	15.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		15	17.3	19.4	5.5	11.7	17.5	9.6	0.6	7.5	42.0	7.5	22.3	12.1	-	18.0	21.7	20.2
	6	1.5	17.3	12.4	5.5	11.0	15.4	6.8	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		2	17.3	13.9	5.5	11.0	15.4	6.8	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		3	17.3	13.9	5.5	11.0	15.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		5	17.3	15.1	5.5	11.0	15.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
030-110	4	10	17.6	15.1	5.5	11.0	15.7	7.9	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		15	17.6	19.4	5.5	11.7	17.5	9.6	0.6	7.5	42.2	7.5	22.6	12.1	-	18.0	21.7	20.2
		20	17.6	19.4	5.5	11.7	17.5	9.6	0.6	7.5	42.2	7.5	22.6	12.1	-	18.0	21.7	20.2
	6	3	17.6	13.9	5.5	11.0	15.7	7.9	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		5	17.6	15.1	5.5	11.0	15.7	7.9	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	17.6	19.4	5.5	11.7	17.5	9.6	0.6	7.5	42.2	7.5	22.6	12.1	-	18.0	21.7	20.2
030-135	4	15	17.6	19.4	5.5	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		20	17.6	19.4	5.5	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		25	18.9	20.7	5.5	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		30	18.9	21.7	5.5	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		40	19.9	22.1	5.5	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
	6	5	17.6	15.1	5.5	13.0	17.7	7.9	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	17.6	19.4	5.5	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		10	17.6	19.4	5.5	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		15	18.9	20.7	5.5	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
040-070	2	20	18.1	19.4	5.5	10.2	15.9	9.6	0.6	7.5	43.2	7.5	22.4	13.3	-	15.6	18.9	17.6
		25	18.1	19.4	5.5	10.2	15.9	9.6	0.6	7.5	43.2	7.5	22.4	13.3	-	15.6	18.9	17.6
		30	16.4	19.4	5.5	10.8	17.4	12.2	0.6	7.1	39.6	7.1	20.2	12.3	-	15.6	19.4	17.8
		40	16.4	19.4	5.5	10.8	17.4	12.2	0.6	7.1	39.6	7.1	20.2	12.3	-	15.6	19.4	17.8
		50	17.3	22.2	5.5	12.2	18.8	12.2	1.0	8.9	46.1	8.9	22.3	15.0	-	16.7	23.6	20.2
	4	2	15.2	10.9	5.5	9.7	13.0	5.6	0.6	6.3	28.0	6.3	14.2	7.5	-	15.4	18.1	17.0
		3	16.5	12.4	5.5	9.7	14.1	6.8	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
		5	16.5	13.9	5.5	9.7	14.1	6.8	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
		7.5	16.5	13.9	5.5	9.7	14.5	7.9	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
	6	1	15.2	10.9	5.5	9.7	13.0	5.6	0.6	6.3	28.0	6.3	14.2	7.5	-	15.4	18.1	17.0
		1.5	16.5	12.4	5.5	9.7	14.1	6.8	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
		2	16.5	13.9	5.5	9.7	14.1	6.8	0.6	6.3	33.9	6.3	17.8	9.8	-	15.4	18.1	17.0
040-095	2	60	19.0	21.7	5.5	12.1	19.7	13.2	1.0	7.9	44.4	7.9	24.1	12.4	-	18.1	23.6	21.2
		75	19.0	22.3	5.5	15.6	23.2	12.6	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		100	19.0	24.3	5.5	15.6	23.2	12.6	1.0	11.6	52.2	11.6	33.3	7.3	15.6	22.1	33.5	26.1
		125	19.0	29.6	5.5	15.2	23.6	16.4	1.0	10.8	52.6	10.8	36.1	5.6	16.5	22.0	31.9	25.7
	4	7.5	17.8	13.9	5.5	12.0	16.7	7.9	0.6	6.9	34.6	6.9	17.8	9.9	-	18.0	21.3	19.9
		10	17.8	15.1	5.5	12.0	16.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		15	17.8	19.4	5.5	12.0	17.7	9.6	0.6	6.9	40.8	6.9	22.3	11.6	-	18.0	21.3	19.9
		20	17.8	19.4	5.5	12.0	17.7	9.6	0.6	6.9	40.8	6.9	22.3	11.6	-	18.0	21.3	19.9
	6	2	17.8	13.9	5.5	12.0	16.4	6.8	0.6	6.9	35.1	6.9	18.3	10.0	-	18.0	21.3	19.9
		3	17.8	13.9	5.5	12.0	16.7	7.9	0.6	6.9	34.6	6.9	17.8	9.9	-	18.0	21.3	19.9
		5	17.8	15.1	5.5	12.0	16.7	7.9	0.6	6.9	34.8	6.9	17.4	10.5	-	18.0	21.3	19.9
		7.5	17.8	19.4	5.5	12.0	17.7	9.6	0.6	6.9	40.8	6.9	22.3	11.6	-	18.0	21.3	19.9

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
040-110	4	15	18.1	19.4	5.5	12.0	17.7	9.6	0.6	6.9	41.2	6.9	22.6	11.7	-	18.0	21.3	19.9
		20	18.1	19.4	5.5	12.0	17.7	9.6	0.6	6.9	41.2	6.9	22.6	11.7	-	18.0	21.3	19.9
		25	19.4	20.7	5.5	13.1	19.8	12.2	0.6	8.1	43.8	8.1	22.5	13.3	-	18.1	23.6	20.6
		30	19.4	21.7	5.5	13.1	19.8	12.2	0.6	8.1	43.8	8.1	22.5	13.3	-	18.1	23.6	20.6
	6	3	18.1	13.9	5.5	12.0	16.7	7.9	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		5	18.1	15.1	5.5	12.0	16.7	7.9	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	18.1	19.4	5.5	12.0	17.7	9.6	0.6	6.9	41.2	6.9	22.6	11.7	-	18.0	21.3	19.9
		10	18.1	19.4	5.5	12.0	17.7	9.6	0.6	6.9	41.2	6.9	22.6	11.7	-	18.0	21.3	19.9
040-135	4	20	18.1	19.4	5.5	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		25	19.4	20.7	5.5	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		30	19.4	21.7	5.5	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		40	20.4	22.1	5.5	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		50	20.4	23.7	5.5	12.7	20.3	13.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
040-135	6	5	18.1	15.1	5.5	13.0	17.7	7.9	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	18.1	19.4	5.5	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		10	18.1	19.4	5.5	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		15	19.4	20.7	5.5	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
040-150	4	50	21.5	23.7	7.1	16.1	23.7	13.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		60	21.5	25.1	7.1	16.1	23.7	13.2	1.0	10.8	53.9	10.8	35.7	7.3	16.8	22.0	31.9	25.7
		75	21.5	28.1	7.1	16.1	24.5	14.0	1.0	10.8	53.9	10.8	35.7	7.3	16.8	22.0	31.9	25.7
		100	23.0	30.0	7.1	16.1	24.5	16.4	1.0	10.8	56.6	10.8	40.1	5.7	22.4	22.1	33.5	26.1
		125	23.0	30.9	7.1	16.1	24.5	16.4	1.0	10.8	56.6	10.8	40.1	5.7	22.4	22.1	33.5	26.1
		150	25.0	36.8	7.1	16.8	34.5	24.6	1.0	11.4	69.2	11.4	51.3	6.5	23.3	24.5	35.8	28.5
	6	15	20.9	20.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		20	20.9	21.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		25	21.5	22.1	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		30	21.5	23.7	7.1	16.1	23.7	13.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		40	21.5	25.1	7.1	16.1	23.7	13.2	1.0	10.8	53.9	10.8	35.7	7.3	16.8	22.0	31.9	25.7
050-070	2	25	18.1	19.4	5.5	12.1	17.9	9.6	0.6	8.1	44.0	8.1	21.6	14.3	-	16.5	22.0	19.1
		30	16.4	19.4	5.5	12.1	18.8	12.2	0.6	8.1	44.0	8.1	21.6	14.3	-	16.5	22.0	19.1
		40	16.4	19.4	5.5	12.1	18.8	12.2	0.6	8.1	44.0	8.1	21.6	14.3	-	16.5	22.0	19.1
		50	17.3	22.2	5.5	12.2	18.8	12.2	1.0	8.9	46.1	8.9	22.3	15.0	-	16.7	23.6	20.2
		60	17.3	21.7	5.5	12.2	19.8	13.2	1.0	8.9	46.1	8.9	22.3	15.0	-	16.7	23.6	20.2
		75	17.3	22.3	5.5	15.6	23.1	12.6	1.0	11.6	50.7	11.6	32.1	7.1	13.9	22.1	33.5	26.1
	4	3	16.5	12.4	5.5	12.1	16.6	6.8	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		5	16.5	13.9	5.5	12.1	16.6	6.8	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		7.5	16.5	13.9	5.5	12.1	16.9	7.9	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		10	16.5	15.1	5.5	12.1	16.9	7.9	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
	6	1	15.2	10.9	5.5	12.1	15.4	5.6	0.6	8.1	31.3	8.1	14.2	9.1	-	16.5	22.0	19.1
		1.5	16.5	12.4	5.5	12.1	16.6	6.8	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		2	16.5	13.9	5.5	12.1	16.6	6.8	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
		3	16.5	13.9	5.5	12.1	16.9	7.9	0.6	8.1	37.3	8.1	17.3	12.0	-	16.5	22.0	19.1
050-095	4	10	19.8	15.1	5.5	12.7	17.5	7.9	0.6	6.7	36.1	6.7	19.3	10.1	-	17.8	20.5	19.4
		15	19.8	19.4	5.5	12.7	18.4	9.6	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
		20	19.8	19.4	5.5	12.7	18.4	9.6	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
		25	20.3	20.7	5.5	12.7	19.3	12.2	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
		30	20.3	21.7	5.5	12.7	19.3	12.2	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
	6	3	19.8	13.9	5.5	12.7	17.5	7.9	0.6	6.7	36.1	6.7	19.3	10.1	-	17.8	20.5	19.4
		5	19.8	15.1	5.5	12.7	17.5	7.9	0.6	6.7	36.1	6.7	19.3	10.1	-	17.8	20.5	19.4
		7.5	19.8	19.4	5.5	12.7	18.4	9.6	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4
		10	19.8	19.4	5.5	12.7	18.4	9.6	0.6	6.7	42.4	6.7	23.6	12.1	-	17.8	20.5	19.4

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
050-110	4	20	18.1	19.4	7.1	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		25	19.4	20.7	7.1	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		30	19.4	21.7	7.1	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		40	20.4	22.1	7.1	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
	6	5	18.1	15.1	7.1	13.0	17.7	7.9	0.6	6.9	35.0	6.9	18.3	9.7	-	18.0	21.3	19.9
		7.5	18.1	19.4	7.1	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		10	18.1	19.4	7.1	12.7	18.4	9.6	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
		15	19.4	20.7	7.1	12.7	19.3	12.2	0.6	7.3	44.4	7.3	23.6	13.5	-	18.0	22.3	20.3
050-135	4	25	20.9	20.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		30	20.9	21.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		40	21.5	22.1	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		50	21.5	23.7	7.1	16.1	23.7	13.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		60	21.5	25.1	7.1	17.1	24.7	13.2	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
		75	21.5	28.1	7.1	17.1	25.5	14.0	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
	6	10	20.3	19.4	7.1	16.1	21.9	9.6	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		15	20.9	20.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		20	20.9	21.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
050-150	4	75	21.5	28.1	7.1	17.6	26.0	14.0	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
		100	23.0	30.0	7.1	17.6	26.0	16.4	1.0	10.8	56.6	10.8	40.1	5.7	22.4	22.1	33.5	26.1
		125	23.0	30.9	7.1	17.6	26.0	16.4	1.0	10.8	56.6	10.8	40.1	5.7	22.4	22.1	33.5	26.1
		150	25.0	36.8	7.1	17.1	34.8	24.6	1.0	9.8	67.8	9.8	51.3	6.7	23.3	24.2	33.1	27.8
	6	25	21.5	22.1	7.1	17.6	24.2	12.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		30	21.5	23.7	7.1	17.6	25.2	13.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		40	21.5	25.1	7.1	17.6	25.2	13.2	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
		50	21.5	28.1	7.1	17.6	26.0	14.0	1.0	10.8	52.9	10.8	35.7	6.3	16.8	22.0	31.9	25.7
		60	23.0	30.0	7.1	17.6	26.0	16.4	1.0	10.8	56.6	10.8	40.1	5.7	22.4	22.1	33.5	26.1
060-095	4	15	20.6	19.4	7.1	16.1	21.9	9.6	1.0	10.8	46.9	10.8	22.1	13.9	-	22.0	31.9	25.7
		20	20.6	19.4	7.1	16.1	21.9	9.6	1.0	10.8	46.9	10.8	22.1	13.9	-	22.0	31.9	25.7
		25	21.1	20.7	7.1	16.1	22.7	12.2	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		30	21.1	21.7	7.1	16.1	22.7	12.2	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		40	21.7	22.1	7.1	16.1	22.7	12.2	1.0	11.8	52.4	11.8	24.2	16.4	-	22.0	31.9	25.7
	6	5	20.6	15.1	7.1	16.1	20.9	7.9	1.0	10.8	47.7	10.8	22.7	14.2	-	22.0	31.9	25.7
		7.5	20.6	19.4	7.1	16.1	21.9	9.6	1.0	10.8	46.9	10.8	22.1	13.9	-	22.0	31.9	25.7
		10	20.6	19.4	7.1	16.1	21.9	9.6	1.0	10.8	46.9	10.8	22.1	13.9	-	22.0	31.9	25.7
		15	21.1	20.7	7.1	16.1	22.7	12.2	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
060-110	4	30	21.6	21.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		40	22.3	22.1	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		50	22.3	23.7	7.1	16.1	23.7	13.2	1.0	10.8	51.9	10.8	25.1	16.0	-	22.0	31.9	25.7
		60	22.3	25.1	7.1	16.1	23.7	13.2	1.0	10.8	53.9	10.8	35.7	7.3	16.8	22.0	31.9	25.7
	6	7.5	21.0	19.4	7.1	16.1	21.9	9.6	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		10	21.0	19.4	7.1	16.1	21.9	9.6	1.0	11.8	52.4	11.8	25.7	14.9	-	22.0	31.9	25.7
		15	21.6	20.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
		20	21.6	21.7	7.1	16.1	22.7	12.2	1.0	10.8	51.9	10.8	24.7	16.3	-	22.0	31.9	25.7
060-135	4	40	22.3	22.1	7.1	14.1	20.8	12.2	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8
		50	22.3	23.7	7.1	14.1	21.7	13.2	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8
		60	22.3	25.1	7.1	14.3	21.9	13.2	1.0	9.3	49.5	9.3	36.3	4.0	19.3	24.0	29.5	27.1
		75	22.3	28.1	7.1	14.3	22.8	14.0	1.0	9.3	49.5	9.3	36.3	4.0	19.3	24.0	29.5	27.1
		100	23.8	30.0	7.1	15.5	23.9	16.4	1.0	9.8	56.3	9.8	40.3	6.2	22.2	24.2	33.1	27.8
		125	23.8	30.9	7.1	15.5	23.9	16.4	1.0	9.8	56.3	9.8	40.3	6.2	22.2	24.2	33.1	27.8
	6	10	21.0	19.4	7.1	14.1	19.9	9.6	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8
		15	21.6	20.7	7.1	14.1	20.8	12.2	0.6	9.1	49.9	9.1	26.4	14.4	-	23.9	27.2	25.8
		20	21.6	21.7	7.1	14.1	20.8	12.2	0.6	9.1	49.9	9.1	26.4	14.4	-	23.9	27.2	25.8
		25	22.3	22.1	7.1	14.1	20.8	12.2	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8
		30	22.3	23.7	7.1	14.1	21.7	13.2	0.6	9.1	50.4	9.1	27.7	13.7	-	23.9	27.2	25.8

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
060-150	4	125	24.6	30.9	7.1	15.6	24.1	16.4	1.0	9.1	54.2	9.1	41.2	4.0	23.1	24.2	31.1	27.7
		150	25.6	36.8	7.1	17.1	34.8	24.6	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
		200	25.6	36.8	7.1	17.1	34.8	24.6	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
		250	25.6	45.3	7.1	17.1	34.8	24.9	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
	6	40	24.6	25.1	7.1	15.6	23.2	13.2	1.0	9.1	51.7	9.1	38.6	4.0	21.7	24.2	31.1	27.7
		50	24.6	28.1	7.1	15.6	24.1	14.0	1.0	9.1	51.7	9.1	38.6	4.0	21.7	24.2	31.1	27.7
		60	24.6	30.0	7.1	15.6	24.1	16.4	1.0	9.1	54.2	9.1	41.2	4.0	23.1	24.2	31.1	27.7
		75	24.6	30.9	7.1	15.6	24.1	16.4	1.0	9.1	54.2	9.1	41.2	4.0	23.1	24.2	31.1	27.7
		100	25.6	36.8	7.1	17.1	34.8	24.6	1.0	9.8	72.6	9.8	56.2	6.6	23.1	24.2	33.1	27.8
080-135	4	60	22.3	25.1	7.1	18.3	25.9	13.2	1.0	9.8	51.1	9.8	36.7	4.6	19.8	27.1	36.0	30.7
		75	22.3	28.1	7.1	18.3	26.7	14.0	1.0	9.8	51.1	9.8	36.7	4.6	19.8	27.1	36.0	30.7
		100	23.8	30.0	7.1	18.3	26.7	16.4	1.0	9.8	56.3	9.8	40.3	6.2	22.2	27.1	36.0	30.7
		125	23.8	30.9	7.1	18.3	26.7	16.4	1.0	9.8	56.3	9.8	40.3	6.2	22.2	27.1	36.0	30.7
		150	25.8	36.8	7.1	21.0	38.8	24.6	1.0	12.0	72.7	12.0	37.7	23.0	-	27.6	40.4	31.6
	6	15	21.6	20.7	7.1	18.3	24.9	12.2	1.0	9.3	48.7	9.3	27.1	12.4	-	27.0	32.5	30.1
		20	21.6	21.7	7.1	18.3	24.9	12.2	1.0	9.3	48.7	9.3	27.1	12.4	-	27.0	32.5	30.1
		25	22.3	22.1	7.1	18.3	24.9	12.2	1.0	9.3	48.7	9.3	27.1	12.4	-	27.0	32.5	30.1
		30	22.3	23.7	7.1	18.3	25.9	13.2	1.0	9.3	48.7	9.3	27.1	12.4	-	27.0	32.5	30.1
		40	22.3	25.1	7.1	18.3	25.9	13.2	1.0	9.8	51.1	9.8	36.7	4.6	19.8	27.1	36.0	30.7
		50	22.3	28.1	7.1	18.3	26.7	14.0	1.0	9.8	51.1	9.8	36.7	4.6	19.8	27.1	36.0	30.7
080-150	4	125	25.6	30.9	7.9	20.3	28.7	16.4	1.0	9.8	55.7	9.8	41.2	4.7	23.1	27.4	38.8	31.5
		150	26.6	36.8	7.9	20.9	38.6	24.6	1.0	10.6	74.2	10.6	55.6	8.0	23.7	27.3	37.2	31.1
		200	26.6	36.8	7.9	20.9	38.6	24.6	1.0	10.6	74.2	10.6	55.6	8.0	23.7	27.3	37.2	31.1
		250	26.6	45.3	7.9	20.9	38.6	24.9	1.0	10.6	74.2	10.6	55.6	8.0	23.7	27.3	37.2	31.1
	6	40	25.6	25.1	7.9	20.3	27.9	13.2	1.0	9.8	53.5	9.8	39.1	4.6	22.1	27.1	36.0	30.7
		50	25.6	28.1	7.9	20.3	28.7	14.0	1.0	9.8	53.5	9.8	39.1	4.6	22.1	27.1	36.0	30.7
		60	25.6	30.0	7.9	20.3	28.7	16.4	1.0	9.8	55.7	9.8	41.2	4.7	23.1	27.4	38.8	31.5
		75	25.6	30.9	7.9	20.3	28.7	16.4	1.0	9.8	55.7	9.8	41.2	4.7	23.1	27.4	38.8	31.5
100-150	4	150	27.6	36.8	7.9	22.9	40.6	24.6	1.0	10.6	75.8	10.6	56.0	9.2	24.1	27.3	37.2	31.1
		200	27.6	36.8	7.9	22.9	40.6	24.6	1.0	10.6	75.8	10.6	56.0	9.2	24.1	27.3	37.2	31.1
		250	27.6	45.3	7.9	22.9	40.6	24.9	1.0	10.6	75.8	10.6	56.0	9.2	24.1	27.3	37.2	31.1
	6	50	26.6	28.1	7.9	24.2	32.7	14.0	1.0	11.4	67.8	11.4	49.4	7.1	21.8	27.4	38.8	31.5
		60	26.6	30.0	7.9	22.9	31.3	16.4	1.0	10.6	66.7	10.6	49.8	6.3	22.3	27.3	37.2	31.1
		75	26.6	30.9	7.9	22.9	31.3	16.4	1.0	10.6	66.7	10.6	49.8	6.3	22.3	27.3	37.2	31.1
		100	27.6	36.8	7.9	22.9	40.6	24.6	1.0	10.6	75.8	10.6	56.0	9.2	24.1	27.3	37.2	31.1

Dimensions in mm.

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
012-070	2	3	339	276	100	201	286	143	16	160	731	160	361	210	-	286	396	346
		5	372	314	100	201	314	171	16	160	894	160	454	280	-	286	396	346
		7.5	372	352	100	201	314	171	16	160	894	160	454	280	-	286	396	346
		10	372	354	100	203	325	200	16	160	880	160	432	288	-	286	396	346
		15	372	383	100	203	325	200	16	160	880	160	432	288	-	286	396	346
	4	1	339	241	100	201	285	143	16	145	700	145	361	194	-	282	350	322
		1.5	339	276	100	201	286	143	16	145	700	145	361	194	-	282	350	322
015-070	2	5	372	314	100	201	314	171	16	160	894	160	454	280	-	286	396	346
		7.5	372	352	100	201	314	171	16	160	894	160	454	280	-	286	396	346
		10	372	354	100	203	325	200	16	160	880	160	432	288	-	286	396	346
		15	372	383	100	203	325	200	16	160	880	160	432	288	-	286	396	346
		20	372	494	100	228	375	245	16	175	966	175	517	274	-	331	441	391
	4	1	339	241	100	201	285	143	16	145	700	145	361	194	-	282	350	322
		1.5	339	276	100	201	286	143	16	145	700	145	361	194	-	282	350	322
		2	339	276	100	201	286	143	16	145	700	145	361	194	-	282	350	322
		3	372	314	100	201	314	171	16	145	834	145	454	235	-	282	350	322

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
015-090	2	15	394	383	100	246	368	200	16	165	858	165	441	252	-	376	486	436
		20	435	494	100	246	392	245	16	165	1057	165	568	324	-	376	486	436
		25	435	494	100	246	392	245	16	165	1057	165	568	324	-	376	486	436
		30	392	494	100	260	428	310	16	185	1020	185	512	323	-	376	460	426
		40	392	494	100	260	428	310	16	185	1020	185	512	323	-	376	460	426
	4	1.5	361	276	100	246	330	143	16	150	701	150	361	190	-	372	440	412
		2	361	276	100	246	330	143	16	150	701	150	361	190	-	372	440	412
		3	394	314	100	246	359	171	16	150	842	150	454	238	-	372	440	412
		5	394	352	100	246	359	171	16	150	842	150	454	238	-	372	440	412
015-095	2	15	394	383	100	246	368	200	16	165	858	165	441	252	-	376	486	436
		20	435	494	100	246	392	245	16	165	1057	165	568	324	-	376	486	436
		25	435	494	100	246	392	245	16	165	1057	165	568	324	-	376	486	436
		30	392	494	100	260	428	310	16	185	1020	185	512	323	-	376	460	426
		40	392	494	100	260	428	310	16	185	1020	185	512	323	-	376	460	426
		50	415	563	100	300	468	310	26	205	1129	205	566	358	-	420	580	510
	4	2	361	276	100	246	330	143	16	150	701	150	361	190	-	372	440	412
		3	394	314	100	246	359	171	16	150	842	150	454	238	-	372	440	412
		5	394	352	100	246	359	171	16	150	842	150	454	238	-	372	440	412
		7.5	394	354	100	246	368	200	16	150	828	150	432	246	-	372	440	412
020-095	2	15	405	383	100	246	368	200	16	165	869	165	467	237	-	376	486	436
		20	446	494	100	246	392	245	16	165	1068	165	594	309	-	376	486	436
		25	446	494	100	246	392	245	16	165	1068	165	594	309	-	376	486	436
		30	403	494	100	260	428	310	16	185	1031	185	544	302	-	376	460	426
		40	403	494	100	260	428	310	16	185	1031	185	544	302	-	376	460	426
		50	426	563	100	300	468	310	26	205	1119	205	592	322	-	420	580	510
		60	426	551	100	300	493	336	26	205	1119	205	592	322	-	420	580	510
	4	2	361	276	100	246	330	143	16	150	701	150	361	190	-	372	440	412
		3	394	314	100	246	359	171	16	150	842	150	454	238	-	372	440	412
		5	394	352	100	246	359	171	16	150	842	150	454	238	-	372	440	412
		7.5	394	354	100	246	368	200	16	150	828	150	432	246	-	372	440	412
020-110	4	5	394	352	100	246	359	171	16	150	842	150	454	238	-	372	440	412
		7.5	394	354	100	246	368	200	16	150	828	150	432	246	-	372	440	412
		10	394	383	100	246	368	200	16	150	828	150	432	246	-	372	440	412
		15	394	494	100	246	392	245	16	150	986	150	548	289	-	372	440	412
020-135	4	7.5	446	354	140	304	425	200	16	165	878	165	465	248	-	396	480	446
		10	446	383	140	304	425	200	16	165	878	165	465	248	-	396	480	446
		15	446	494	140	304	450	245	16	165	1036	165	574	298	-	396	480	446
		20	446	494	140	304	450	245	16	165	1036	165	574	298	-	396	480	446
		25	481	525	140	304	472	310	16	165	1042	165	570	307	-	396	480	446
025-070	2	7.5	394	352	140	244	357	171	26	195	937	195	448	294	-	335	475	413
		10	394	354	140	244	366	200	26	195	937	195	448	294	-	335	475	413
		15	394	383	140	244	366	200	26	195	937	195	448	294	-	335	475	413
		20	394	494	140	246	392	245	26	195	1006	195	517	294	-	335	475	413
		25	394	494	140	246	392	245	26	195	1006	195	517	294	-	335	475	413
		30	392	494	140	265	433	310	26	190	1031	190	512	329	-	380	520	458
	4	1	361	241	140	244	327	143	16	180	755	180	361	214	-	331	427	387
		1.5	361	276	140	244	328	143	16	180	755	180	361	214	-	331	427	387
		2	361	276	140	244	328	143	16	180	755	180	361	214	-	331	427	387
		3	394	314	140	244	357	171	16	180	894	180	454	260	-	331	427	387
		5	394	352	140	244	357	171	16	180	894	180	454	260	-	331	427	387

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
025-095	2	25	446	494	100	300	446	245	26	205	1151	205	594	352	-	460	620	550
		30	403	494	100	318	487	310	26	225	1093	225	544	324	-	464	690	556
		40	403	494	100	318	487	310	26	225	1093	225	544	324	-	464	690	556
		50	426	563	100	300	469	310	26	205	1118	205	592	321	-	460	620	550
		60	426	551	100	300	493	336	26	205	1118	205	592	321	-	460	620	550
		75	426	567	100	395	588	319	26	295	1326	295	845	186	397	562	850	664
	4	3	394	314	100	278	391	171	16	175	892	175	464	253	-	456	540	506
		5	394	352	100	278	391	171	16	175	892	175	464	253	-	456	540	506
		7.5	394	354	100	278	400	200	16	175	883	175	442	266	-	456	540	506
		10	394	383	100	278	400	200	16	175	883	175	442	266	-	456	540	506
	6	1	361	276	100	271	355	143	16	170	721	170	361	190	-	452	520	492
		1.5	394	314	100	278	391	171	16	175	892	175	464	253	-	456	540	506
		2	394	352	100	278	391	171	16	175	892	175	464	253	-	456	540	506
		3	394	354	100	278	400	200	16	175	883	175	442	266	-	456	540	506
025-110	4	7.5	446	354	140	308	430	200	16	205	948	205	465	278	-	420	560	484
		10	446	383	140	308	430	200	16	205	948	205	465	278	-	420	560	484
		15	446	494	140	308	454	245	16	205	1112	205	570	337	-	420	560	484
	6	2	446	352	140	308	421	171	16	205	969	205	488	276	-	420	560	484
		3	446	354	140	308	430	200	16	205	948	205	465	278	-	420	560	484
		5	446	383	140	308	430	200	16	205	948	205	465	278	-	420	560	484
030-070	2	15	394	383	140	244	366	200	26	195	913	195	441	277	-	335	475	413
		20	394	494	140	246	392	245	26	195	1006	195	517	294	-	335	475	413
		25	394	494	140	246	392	245	26	195	1006	195	517	294	-	335	475	413
		30	392	494	140	265	433	310	26	190	1031	190	512	329	-	380	520	458
		40	392	494	140	265	433	310	26	190	1031	190	512	329	-	380	520	458
	4	1.5	361	276	140	244	328	143	16	180	755	180	361	214	-	331	427	387
		2	361	276	140	244	328	143	16	180	755	180	361	214	-	331	427	387
		3	394	314	140	244	357	171	16	180	894	180	454	260	-	331	427	387
		5	394	352	140	244	357	171	16	180	894	180	454	260	-	331	427	387
030-095	2	40	448	494	140	318	487	310	26	225	1204	225	564	415	-	464	690	556
		50	471	563	140	300	469	310	26	205	1139	205	612	322	-	460	620	550
		60	471	551	140	300	493	336	26	205	1139	205	612	322	-	460	620	550
		75	471	567	140	395	588	319	26	295	1326	295	845	186	397	562	850	664
		100	471	617	140	395	588	319	26	295	1326	295	845	186	397	562	850	664
		125	471	752	140	386	600	417	26	275	1336	275	918	143	420	558	810	654
	4	5	440	352	140	278	391	171	16	175	892	175	464	253	-	456	540	506
		7.5	440	354	140	278	400	200	16	175	883	175	442	266	-	456	540	506
		10	440	383	140	278	400	200	16	175	883	175	442	266	-	456	540	506
		15	440	494	140	298	444	245	16	190	1066	190	568	309	-	456	552	512
	6	1.5	440	314	140	278	391	171	16	175	892	175	464	253	-	456	540	506
		2	440	352	140	278	391	171	16	175	892	175	464	253	-	456	540	506
		3	440	354	140	278	400	200	16	175	883	175	442	266	-	456	540	506
		5	440	383	140	278	400	200	16	175	883	175	442	266	-	456	540	506
030-110	4	10	446	383	140	278	400	200	16	175	888	175	465	248	-	456	540	506
		15	446	494	140	298	444	245	16	190	1071	190	574	308	-	456	552	512
		20	446	494	140	298	444	245	16	190	1071	190	574	308	-	456	552	512
	6	3	446	354	140	278	400	200	16	175	888	175	465	248	-	456	540	506
		5	446	383	140	278	400	200	16	175	888	175	465	248	-	456	540	506
		7.5	446	494	140	298	444	245	16	190	1071	190	574	308	-	456	552	512

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
030-135	4	15	446	494	140	322	468	245	16	185	1129	185	601	343	-	456	566	516
		20	446	494	140	322	468	245	16	185	1129	185	601	343	-	456	566	516
		25	481	525	140	322	490	310	16	185	1129	185	601	343	-	456	566	516
		30	481	551	140	322	490	310	16	185	1129	185	601	343	-	456	566	516
		40	505	561	140	322	490	311	16	185	1129	185	601	343	-	456	566	516
	6	5	446	383	140	329	451	200	16	175	888	175	465	248	-	456	540	506
		7.5	446	494	140	322	468	245	16	185	1129	185	601	343	-	456	566	516
		10	446	494	140	322	468	245	16	185	1129	185	601	343	-	456	566	516
		15	481	525	140	322	490	310	16	185	1129	185	601	343	-	456	566	516
040-070	2	20	461	494	140	259	405	245	16	190	1097	190	568	339	-	396	480	446
		25	461	494	140	259	405	245	16	190	1097	190	568	339	-	396	480	446
		30	418	494	140	275	443	310	16	180	1005	180	512	313	-	396	492	452
		40	418	494	140	275	443	310	16	180	1005	180	512	313	-	396	492	452
		50	441	563	140	310	478	310	26	225	1171	225	566	380	-	424	600	514
	4	2	387	276	140	246	330	143	16	160	711	160	361	190	-	392	460	432
		3	420	314	140	246	359	171	16	160	862	160	453	249	-	392	460	432
		5	420	352	140	246	359	171	16	160	862	160	453	249	-	392	460	432
		7.5	420	354	140	246	368	200	16	160	862	160	453	249	-	392	460	432
	6	1	387	276	140	246	330	143	16	160	711	160	361	190	-	392	460	432
		1.5	420	314	140	246	359	171	16	160	862	160	453	249	-	392	460	432
		2	420	352	140	246	359	171	16	160	862	160	453	249	-	392	460	432
040-095	2	60	484	551	140	309	501	336	26	200	1127	200	612	315	-	460	600	538
		75	484	567	140	396	588	319	26	295	1326	295	845	186	397	562	850	664
		100	484	617	140	396	588	319	26	295	1326	295	845	186	397	562	850	664
		125	484	752	140	386	599	417	26	275	1336	275	918	143	420	558	810	654
	4	7.5	452	354	140	304	425	200	16	175	879	175	452	252	-	456	540	506
		10	452	383	140	304	425	200	16	175	883	175	442	266	-	456	540	506
		15	452	494	140	304	450	245	16	175	1036	175	568	294	-	456	540	506
		20	452	494	140	304	450	245	16	175	1036	175	568	294	-	456	540	506
	6	2	452	352	140	304	416	171	16	175	892	175	464	253	-	456	540	506
		3	452	354	140	304	425	200	16	175	879	175	452	252	-	456	540	506
		5	452	383	140	304	425	200	16	175	883	175	442	266	-	456	540	506
		7.5	452	494	140	304	450	245	16	175	1036	175	568	294	-	456	540	506
040-110	4	15	459	494	140	304	450	245	16	175	1046	175	574	298	-	456	540	506
		20	459	494	140	304	450	245	16	175	1046	175	574	298	-	456	540	506
		25	494	525	140	334	502	310	16	205	1112	205	570	337	-	460	600	524
		30	494	551	140	334	502	310	16	205	1112	205	570	337	-	460	600	524
	6	3	459	354	140	304	425	200	16	175	888	175	465	248	-	456	540	506
		5	459	383	140	304	425	200	16	175	888	175	465	248	-	456	540	506
		7.5	459	494	140	304	450	245	16	175	1046	175	574	298	-	456	540	506
		10	459	494	140	304	450	245	16	175	1046	175	574	298	-	456	540	506
040-135	4	20	459	494	140	322	468	245	16	185	1129	185	601	343	-	456	566	516
040-135		25	494	525	140	322	490	310	16	185	1129	185	601	343	-	456	566	516
		30	494	551	140	322	490	310	16	185	1129	185	601	343	-	456	566	516
		40	518	561	140	322	490	311	16	185	1129	185	601	343	-	456	566	516
		50	518	602	140	322	515	336	16	185	1129	185	601	343	-	456	566	516
	6	5	459	383	140	329	451	200	16	175	888	175	465	248	-	456	540	506
		7.5	459	494	140	322	468	245	16	185	1129	185	601	343	-	456	566	516
		10	459	494	140	322	468	245	16	185	1129	185	601	343	-	456	566	516
		15	494	525	140	322	490	310	16	185	1129	185	601	343	-	456	566	516

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
040-150	4	50	547	602	180	409	602	336	26	275	1319	275	637	407	-	558	810	654
		60	547	637	180	409	602	335	26	275	1368	275	908	185	426	558	810	654
		75	547	714	180	409	623	355	26	275	1368	275	908	185	426	558	810	654
		100	585	761	180	409	623	417	26	275	1438	275	1019	144	569	562	850	664
		125	585	786	180	409	623	417	26	275	1438	275	1019	144	569	562	850	664
		150	636	933	180	426	877	625	26	290	1757	290	1302	165	592	622	910	724
	6	15	530	525	180	409	578	310	26	275	1318	275	629	415	-	558	810	654
		20	530	551	180	409	578	310	26	275	1318	275	629	415	-	558	810	654
		25	547	561	180	409	578	311	26	275	1319	275	637	407	-	558	810	654
		30	547	602	180	409	602	336	26	275	1319	275	637	407	-	558	810	654
		40	547	637	180	409	602	335	26	275	1368	275	908	185	426	558	810	654
050-070	2	25	461	494	140	308	454	245	16	205	1117	205	548	364	-	420	560	484
		30	418	494	140	308	477	310	16	205	1117	205	548	364	-	420	560	484
		40	418	494	140	308	477	310	16	205	1117	205	548	364	-	420	560	484
		50	441	563	140	310	479	310	26	225	1171	225	566	380	-	424	600	514
		60	441	551	140	310	503	336	26	225	1171	225	566	380	-	424	600	514
		75	441	567	140	395	588	319	26	295	1289	295	814	180	354	562	850	664
	4	3	420	314	140	308	421	171	16	205	947	205	438	304	-	420	560	484
		5	420	352	140	308	421	171	16	205	947	205	438	304	-	420	560	484
		7.5	420	354	140	308	430	200	16	205	947	205	438	304	-	420	560	484
		10	420	383	140	308	430	200	16	205	947	205	438	304	-	420	560	484
	6	1	387	276	140	308	392	143	16	205	796	205	361	230	-	420	560	484
		1.5	420	314	140	308	421	171	16	205	947	205	438	304	-	420	560	484
		2	420	352	140	308	421	171	16	205	947	205	438	304	-	420	560	484
		3	420	354	140	308	430	200	16	205	947	205	438	304	-	420	560	484
050-095	4	10	504	383	140	322	444	200	16	170	918	170	490	258	-	452	520	492
		15	504	494	140	322	468	245	16	170	1076	170	600	306	-	452	520	492
		20	504	494	140	322	468	245	16	170	1076	170	600	306	-	452	520	492
		25	517	525	140	322	490	310	16	170	1076	170	600	306	-	452	520	492
		30	517	551	140	322	490	310	16	170	1076	170	600	306	-	452	520	492
	6	3	504	354	140	322	444	200	16	170	918	170	490	258	-	452	520	492
		5	504	383	140	322	444	200	16	170	918	170	490	258	-	452	520	492
		7.5	504	494	140	322	468	245	16	170	1076	170	600	306	-	452	520	492
		10	504	494	140	322	468	245	16	170	1076	170	600	306	-	452	520	492
050-110	4	20	459	494	180	322	468	245	16	185	1129	185	601	343	-	456	566	516
		25	494	525	180	322	490	310	16	185	1129	185	601	343	-	456	566	516
		30	494	551	180	322	490	310	16	185	1129	185	601	343	-	456	566	516
		40	518	561	180	322	490	311	16	185	1129	185	601	343	-	456	566	516
	6	5	459	383	180	329	451	200	16	175	888	175	465	248	-	456	540	506
		7.5	459	494	180	322	468	245	16	185	1129	185	601	343	-	456	566	516
		10	459	494	180	322	468	245	16	185	1129	185	601	343	-	456	566	516
		15	494	525	180	322	490	310	16	185	1129	185	601	343	-	456	566	516
050-135	4	25	530	525	180	409	578	310	26	275	1318	275	629	415	-	558	810	654
		30	530	551	180	409	578	310	26	275	1318	275	629	415	-	558	810	654
		40	547	561	180	409	578	311	26	275	1319	275	637	407	-	558	810	654
		50	547	602	180	409	602	336	26	275	1319	275	637	407	-	558	810	654
		60	547	637	180	434	627	335	26	275	1343	275	908	160	426	558	810	654
		75	547	714	180	434	648	355	26	275	1343	275	908	160	426	558	810	654
	6	10	515	494	180	409	556	245	26	300	1330	300	652	378	-	558	810	654
		15	530	525	180	409	578	310	26	275	1318	275	629	415	-	558	810	654
		20	530	551	180	409	578	310	26	275	1318	275	629	415	-	558	810	654

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
050-150	4	75	547	714	180	448	661	355	26	275	1343	275	908	160	426	558	810	654
		100	585	761	180	448	661	417	26	275	1438	275	1019	144	569	562	850	664
		125	585	786	180	448	661	417	26	275	1438	275	1019	144	569	562	850	664
		150	636	933	180	434	884	625	26	250	1722	250	1302	170	592	614	840	706
	6	25	547	561	180	448	616	311	26	275	1319	275	637	407	-	558	810	654
		30	547	602	180	448	640	336	26	275	1319	275	637	407	-	558	810	654
		40	547	637	180	448	640	335	26	275	1343	275	908	160	426	558	810	654
		50	547	714	180	448	661	355	26	275	1343	275	908	160	426	558	810	654
		60	585	761	180	448	661	417	26	275	1438	275	1019	144	569	562	850	664
060-095	4	15	523	494	180	409	556	245	26	275	1190	275	561	354	-	558	810	654
		20	523	494	180	409	556	245	26	275	1190	275	561	354	-	558	810	654
		25	536	525	180	409	578	310	26	300	1330	300	652	378	-	558	810	654
		30	536	551	180	409	578	310	26	300	1330	300	652	378	-	558	810	654
		40	552	561	180	409	578	311	26	300	1330	300	614	416	-	558	810	654
	6	5	523	383	180	409	531	200	26	275	1212	275	576	361	-	558	810	654
		7.5	523	494	180	409	556	245	26	275	1190	275	561	354	-	558	810	654
		10	523	494	180	409	556	245	26	275	1190	275	561	354	-	558	810	654
		15	536	525	180	409	578	310	26	300	1330	300	652	378	-	558	810	654
060-110	4	30	549	551	180	409	578	310	26	275	1318	275	629	415	-	558	810	654
		40	566	561	180	409	578	311	26	275	1319	275	637	407	-	558	810	654
		50	566	602	180	409	602	336	26	275	1319	275	637	407	-	558	810	654
		60	566	637	180	409	602	335	26	275	1368	275	908	185	426	558	810	654
	6	7.5	534	494	180	409	556	245	26	300	1330	300	652	378	-	558	810	654
		10	534	494	180	409	556	245	26	300	1330	300	652	378	-	558	810	654
		15	549	525	180	409	578	310	26	275	1318	275	629	415	-	558	810	654
		20	549	551	180	409	578	310	26	275	1318	275	629	415	-	558	810	654
060-135	4	40	566	561	180	359	528	311	16	230	1281	230	703	348	-	606	690	656
		50	566	602	180	359	552	336	16	230	1281	230	703	348	-	606	690	656
		60	566	637	180	364	557	335	26	235	1258	235	921	102	491	610	750	688
		75	566	714	180	364	578	355	26	235	1258	235	921	102	491	610	750	688
		100	604	761	180	394	608	417	26	250	1430	250	1024	156	564	614	840	706
		125	604	786	180	394	608	417	26	250	1430	250	1024	156	564	614	840	706
	6	10	534	494	180	359	506	245	16	230	1281	230	703	348	-	606	690	656
		15	549	525	180	359	528	310	16	230	1267	230	670	367	-	606	690	656
		20	549	551	180	359	528	310	16	230	1267	230	670	367	-	606	690	656
		25	566	561	180	359	528	311	16	230	1281	230	703	348	-	606	690	656
		30	566	602	180	359	552	336	16	230	1281	230	703	348	-	606	690	656
060-150	4	125	626	786	180	398	611	417	26	230	1376	230	1046	100	586	614	790	704
		150	651	933	180	434	884	625	26	250	1845	250	1428	167	588	614	840	706
		200	651	933	180	434	884	625	26	250	1845	250	1428	167	588	614	840	706
		250	651	1149	180	434	884	633	26	250	1845	250	1428	167	588	614	840	706
	6	40	626	637	180	398	590	335	26	230	1313	230	981	102	551	614	790	704
		50	626	714	180	398	611	355	26	230	1313	230	981	102	551	614	790	704
		60	626	761	180	398	611	417	26	230	1376	230	1046	100	586	614	790	704
		75	626	786	180	398	611	417	26	230	1376	230	1046	100	586	614	790	704
		100	651	933	180	434	884	625	26	250	1845	250	1428	167	588	614	840	706

Pump size	Pole	P2 [hp]	LP	AG	X	H3	H4	AB	D	A2	L1	L2	L3	L4	L5	B1	B2	B3
080-135	4	60	566	637	180	465	658	335	26	250	1299	250	933	116	503	689	915	781
		75	566	714	180	465	679	355	26	250	1299	250	933	116	503	689	915	781
		100	604	761	180	464	678	417	26	250	1430	250	1024	156	564	689	915	781
		125	604	786	180	464	678	417	26	250	1430	250	1024	156	564	689	915	781
		150	655	933	180	534	985	625	26	305	1847	305	957	585	-	701	1025	803
	6	15	549	525	180	464	633	310	26	235	1238	235	688	315	-	685	825	765
		20	549	551	180	464	633	310	26	235	1238	235	688	315	-	685	825	765
		25	566	561	180	464	633	311	26	235	1238	235	688	315	-	685	825	765
		30	566	602	180	464	657	336	26	235	1238	235	688	315	-	685	825	765
		40	566	637	180	465	658	335	26	250	1299	250	933	116	503	689	915	781
		50	566	714	180	465	679	355	26	250	1299	250	933	116	503	689	915	781
080-150	4	125	651	786	200	515	729	417	26	250	1416	250	1046	120	586	697	985	799
		150	676	933	200	530	981	625	26	270	1885	270	1413	202	603	693	945	789
		200	676	933	200	530	981	625	26	270	1885	270	1413	202	603	693	945	789
		250	676	1149	200	530	981	633	26	270	1885	270	1413	202	603	693	945	789
	6	40	651	637	200	515	708	335	26	250	1359	250	993	116	563	689	915	781
		50	651	714	200	515	729	355	26	250	1359	250	993	116	563	689	915	781
		60	651	761	200	515	729	417	26	250	1416	250	1046	120	586	697	985	799
		75	651	786	200	515	729	417	26	250	1416	250	1046	120	586	697	985	799
100-150	4	150	701	933	200	581	1032	625	26	270	1926	270	1422	234	612	693	945	789
		200	701	933	200	581	1032	625	26	270	1926	270	1422	234	612	693	945	789
		250	701	1149	200	581	1032	633	26	270	1926	270	1422	234	612	693	945	789
	6	50	676	714	200	616	830	355	26	290	1723	290	1254	179	554	697	985	799
		60	676	761	200	581	794	417	26	270	1695	270	1266	159	566	693	945	789
		75	676	786	200	581	794	417	26	270	1695	270	1266	159	566	693	945	789
		100	701	933	200	581	1032	625	26	270	1926	270	1422	234	612	693	945	789

Dimension for service

Pump size	X [inch]	X [mm]
012-070	5	127
015-070	5	127
015-090	5	127
015-095	5	127
020-095	5	127
020-110	5	127
020-135	6	152.4
025-070	5	127
025-095	5	127
025-110	5	127
030-070	5	127
030-095	6	152.4
030-110	5	127
030-135	6	152.4
040-070	5	127
040-095	6	152.4
040-110	6	152.4
040-135	6	152.4
040-150	9	228.6
050-070	5	127
050-095	6	152.4
050-110	6	152.4
050-135	7	177.8
050-150	9	228.6
060-095	6	152.4
060-110	7	177.8
060-135	9	228.6
060-150	9	228.6
080-135	9	228.6
080-150	9	228.6
100-150	9	228.6

16. Pump Energy Index (PEI)

Pump Energy Index (PEI) was established by the U.S. Department of Energy (DOE) and adopted by Canada as the standard metric used to evaluate pump efficiency. The value is the ratio of the pump efficiency rating (PER) divided by the calculated minimally complaint PER (PER_{STD}) for the pump type. This provides a representation of a pump's actual performance compared to the minimal standard performance required by regulation. The lower the PEI value, the more efficient a pump is at the tested operating points.

PER is determined by defined testing parameters required by the DOE. This includes testing a particular pump model at its best efficiency point (BEP).

For PEI values there are two different versions:

- PEI_{CL} (constant load): Applies to a bare-shaft pump, and a pump sold with a motor
- PEI_{VL} (variable load): Applies to pumps sold with a motor and controller (such as VFD, VSD)

The DOE has set the maximum PEI value as 1.00. Any pump, pump and motor, or pump, motor and controller that exceeds a PEI value of 1.00 can no longer be manufactured after January 26, 2020.

PEI is a generalized efficiency value. PEI cannot be used to determine the efficiency of a pump in a specific application.

NBSE pump with MLE motor

Medium speed, 4000 RPM

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
012-070	4.69	3	3x200-240	0.43
	5.00	5		0.43
	5.47	7.5		0.43
	6.10	7.5		0.43
	6.97	10		0.50
	6.65	15		0.50
	6.97	15		0.50
012-070	4.69	3	3x440-480	0.41
	5.00	5		0.41
	5.47	7.5		0.41
	6.10	7.5		0.41
	6.97	10		0.41
	6.65	15		0.41
	6.97	15		0.41
015-070	4.49	5	3x200-240	0.47
	5.04	7.5		0.47
	6.73	10		0.50
	6.93	15		0.50
015-070	4.49	5	3x440-480	0.40
	5.04	7.5		0.40
	6.73	10		0.40
	6.93	15		0.40
	6.93	20		0.40
015-090	7.80	15	3x440-480	0.50
	8.82	20		0.50
	8.82	25		0.50
	9.84	30		0.50
015-095	7.01	15	3x440-480	0.50
	7.87	20		0.50
	7.87	25		0.50
	8.82	30		0.50
020-095	6.26	15	3x440-480	0.50
	7.17	20		0.50
	7.60	25		0.50
	8.03	30		0.50
025-070	4.57	5	3x200-240	0.48
	4.57	7.5		0.50
	4.96	10		0.50
	6.65	15		0.50
025-070	4.57	5	3x440-480	0.41
	4.57	7.5		0.41
	4.96	10		0.41
	6.65	15		0.41
	6.77	20		0.41
	6.77	25		0.41
	6.77	30		0.41
025-095	6.57	25	3x440-480	0.50
	7.17	30		0.50
030-070	5.04	7.5	3x200-240	0.50
	5.39	10		0.50
	5.87	15		0.50
030-070	5.04	7.5	3x440-480	0.50
	5.39	10		0.50
	5.87	15		0.50
	6.02	20		0.50
	6.85	25		0.50
	6.85	30		0.50
040-070	5.12	15	3x440-480	0.50
	5.51	20		0.50
	5.51	25		0.50
	5.75	30		0.50
050-070	5.04	15	3x440-480	0.50
	5.04	20		0.50
	5.04	25		0.50
	5.43	30		0.50

Low speed, 2200 RPM

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
012-070	6.97	1.5	3x440-480	0.39
	6.97	2		0.39
015-070	6.54	1.5	3x440-480	0.43
	6.93	2		0.43
	6.93	3		0.43
	6.93	5		0.43
015-090	7.24	1.5	3x440-480	0.39
	8.11	2		0.39
	9.84	3		0.39
	9.84	5		0.39
	9.84	7.5		0.39
	9.84	10		0.39
015-095	7.32	2	3x440-480	0.41
	8.35	3		0.41
	8.82	5		0.41
	9.84	7.5		0.41
	9.84	10		0.41
020-095	5.83	2	3x440-480	0.43
	7.24	3		0.43
	9.45	5		0.43
	9.45	7.5		0.43
	9.45	10		0.43
020-110	8.98	5	3x440-480	0.41
	9.92	7.5		0.41
	9.92	10		0.41
	10.31	15		0.41
	9.92	20		0.41
020-135	10.16	7.5	3x440-480	0.41
	11.42	10		0.41
	12.52	15		0.41
	13.31	20		0.41
	13.31	25		0.41
	13.31	30		0.41
025-070	5.28	1.5	3x440-480	0.41
	6.54	2		0.41
	6.61	3		0.41
	6.77	5		0.41
025-095	5.98	3	3x440-480	0.42
	9.13	5		0.42
	9.53	7.5		0.42
	9.53	10		0.42
025-110	9.45	7.5	3x440-480	0.41
	10.63	10		0.41
	11.02	15		0.41
	11.02	20		0.41
030-070	5.20	1.5	3x440-480	0.42
	5.71	2		0.42
	6.85	3		0.42
	6.85	5		0.42
030-095	6.10	5	3x440-480	0.43
	8.27	7.5		0.43
	8.86	10		0.43
	8.86	15		0.43
	8.86	20		0.43
030-110	9.61	10	3x440-480	0.41
	10.79	15		0.41
	10.79	20		0.41
030-135	9.92	15	3x440-480	0.50
	11.26	20		0.50
	11.77	25		0.50
	12.91	30		0.50
040-070	4.72	1.5	3x440-480	0.43
	4.96	2		0.43
	5.43	3		0.43
	6.30	5		0.43
	6.85	7.5		0.43
	6.85	10		0.43
040-095	7.13	7.5	3x440-480	0.43
	8.35	10		0.43
	8.35	15		0.43
	9.37	20		0.43
040-110	8.74	15	3x440-480	0.43
	10.08	20		0.43
	10.08	25		0.43
	10.08	30		0.43
040-135	9.29	15	3x440-480	0.50
	10.24	20		0.50
	10.98	25		0.50
	11.42	30		0.50
050-070	5.43	3	3x440-480	0.43
	6.85	5		0.43
	6.93	7.5		0.43
	6.93	10		0.43
050-095	7.68	10	3x440-480	0.43
	8.19	15		0.43
	8.58	20		0.43
	9.13	25		0.43
	9.13	30		0.43
050-110	8.35	15	3x440-480	0.50
	9.13	20		0.50
	9.13	25		0.50
	9.61	30		0.50
060-095	7.32	15	3x440-480	0.50
	7.95	20		0.50
	8.43	25		0.50
	8.90	30		0.50
060-110	8.78	25	3x440-480	0.50
	8.78	30		0.50

NBSE pump with integrated CUE and WEG PM motor

Medium speed

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
012-070	4.29	3	3x200	0.50
	4.80	5		0.50
	5.79	7.5		0.50
	6.10	10		0.50
	6.97	15		0.50
	6.97	20		0.50
012-070	4.29	3	3x575	0.50
	4.80	5		0.50
	5.79	7.5		0.50
	6.10	10		0.50
	6.97	15		0.50
	6.97	20		0.50
015-070	4.49	5	3x200	0.50
	4.88	7.5		0.50
	5.51	10		0.50
	6.22	15		0.50
	6.93	20		0.50
015-070	4.49	5	3x575	0.50
	4.88	7.5		0.50
	5.51	10		0.50
	6.22	15		0.50
	6.93	20		0.50
015-090	7.09	15	3x200	0.50
	7.68	20		0.50
	8.11	25		0.50
	8.70	30		0.50
	9.84	40		0.50
	9.84	50		0.50
015-090	9.84	40	3x460	0.50
	9.84	50		0.50
015-090	7.09	15	3x575	0.50
	7.68	20		0.50
	8.11	25		0.50
	8.70	30		0.50
	9.84	40		0.50
	9.84	50		0.50
015-095	6.46	15	3x200	0.50
	6.93	20		0.50
	7.36	25		0.50
	7.72	30		0.50
	8.70	40		0.50
	9.53	50		0.50
015-095	8.70	40	3x460	0.50
	9.53	50		0.50
015-095	6.46	15	3x575	0.50
	6.93	20		0.50
	7.36	25		0.50
	7.72	30		0.50
	8.70	40		0.50
	9.53	50		0.50
020-095	5.75	15	3x200	0.50
	6.18	20		0.50
	6.57	25		0.50
	6.97	30		0.50
	7.91	40		0.50
	8.50	50		0.50
	9.45	60		0.50
020-095	7.91	40	3x460	0.50
	8.50	50		0.50
	9.45	60		0.50
	9.45	75		0.50
020-095	5.75	15	3x575	0.50
	6.18	20		0.50
	6.57	25		0.50
	6.97	30		0.50
	7.91	40		0.50
	8.50	50		0.50
	9.45	60		0.50
	9.45	75		0.50
025-070	4.57	7.5	3x200	0.50
	4.88	10		0.50
	5.55	15		0.50
	6.18	20		0.50
	6.54	25		0.50
	6.77	30		0.50
025-070	4.57	7.5	3x575	0.50
	4.88	10		0.50
	5.55	15		0.50
	6.18	20		0.50
	6.54	25		0.50
	6.77	30		0.50
025-095	5.98	25	3x200	0.50
	6.22	30		0.50
	7.05	40		0.50
	7.64	50		0.50
	8.39	60		0.50
025-095	7.05	40	3x460	0.50
	7.64	50		0.50
	8.39	60		0.50
	9.25	75		0.50
025-095	5.98	25	3x575	0.50
	6.22	30		0.50
	7.05	40		0.50
	7.64	50		0.50
	8.39	60		0.50
	9.25	75		0.50
030-070	5.04	15	3x200	0.50
	5.47	20		0.50
	5.83	25		0.50
	6.18	30		0.50
	6.85	40		0.50
	6.85	50		0.50
030-070	6.85	40	3x460	0.50
	6.85	50		0.50

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
030-070	5.04	15	3x575	0.50
	5.47	20		0.50
	5.83	25		0.50
	6.18	30		0.50
	6.85	40		0.50
	6.85	50		0.50
030-095	6.10	40	3x200	0.50
	6.38	50		0.50
	6.81	60		0.50
030-095	6.10	40	3x460	0.50
	6.38	50		0.50
	6.81	60		0.50
	7.24	75		0.50
030-095	6.10	40	3x575	0.50
	6.38	50		0.50
	6.81	60		0.50
	7.24	75		0.50
040-070	5.12	20	3x200	0.50
	5.43	25		0.50
	5.67	30		0.50
	6.22	40		0.50
	6.69	50		0.50
040-070	6.22	40	3x460	0.50
	6.69	50		0.50
040-070	5.12	20	3x575	0.50
	5.43	25		0.50
	5.67	30		0.50
	6.22	40		0.50
	6.69	50		0.50
040-095	6.81	75	3x460	0.50
040-095	6.81	75	3x575	0.50
050-070	5.35	30	3x200	0.50
	6.02	40		0.50
	6.42	50		0.50
	6.77	60		0.50
050-070	6.02	40	3x460	0.50
	6.42	50		0.50
	6.77	60		0.50
	6.93	75		0.50
050-070	5.35	30	3x575	0.50
	6.02	40		0.50
	6.42	50		0.50
	6.77	60		0.50
	6.93	75		0.50

Low speed

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
012-070	6.85	1.5	3x200	0.50
	6.97	2		0.50
012-070	6.85	1.5	3x575	0.50
	6.97	2		0.50
015-070	5.79	1.5	3x200	0.50
	6.42	2		0.50
	6.93	3		0.50
	6.93	5		0.50
015-070	5.79	1.5	3x575	0.50
	6.42	2		0.50
	6.93	3		0.50
	6.93	5		0.50
015-090	6.69	1.5	3x200	0.50
	7.13	2		0.50
	7.99	3		0.50
	9.84	5		0.50
015-090	6.69	1.5	3x575	0.50
	7.13	2		0.50
	7.99	3		0.50
	9.84	5		0.50
015-095	6.54	2	3x200	0.50
	7.24	3		0.50
	8.50	5		0.50
	9.84	7.5		0.50
	9.84	10		0.50
015-095	6.54	2	3x575	0.50
	7.24	3		0.50
	8.50	5		0.50
	9.84	7.5		0.50
	9.84	10		0.50
020-095	5.83	2	3x200	0.50
	6.50	3		0.50
	7.91	5		0.50
	9.45	7.5		0.50
	9.45	10		0.50
020-095	5.83	2	3x575	0.50
	6.50	3		0.50
	7.91	5		0.50
	9.45	7.5		0.50
	9.45	10		0.50
020-110	8.11	5	3x200	0.50
	8.86	7.5		0.50
	9.80	10		0.50
	10.31	15		0.50
	10.31	20		0.50
020-110	8.11	5	3x575	0.50
	8.86	7.5		0.50
	9.80	10		0.50
	10.31	15		0.50
	10.31	20		0.50

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
020-135	9.29	7.5	3x200	0.50
	10.04	10		0.50
	11.18	15		0.50
	12.32	20		0.50
	13.31	25		0.50
	13.31	30		0.50
020-135	9.29	7.5	3x575	0.50
	10.04	10		0.50
	11.18	15		0.50
	12.32	20		0.50
	13.31	25		0.50
	13.31	30		0.50
025-070	5.12	1.5	3x200	0.50
	5.75	2		0.50
	6.46	3		0.50
	6.77	5		0.50
025-070	5.12	1.5	3x575	0.50
	5.75	2		0.50
	6.46	3		0.50
	6.77	5		0.50
025-095	5.98	3	3x200	0.50
	6.97	5		0.50
	8.15	7.5		0.50
	9.53	10		0.50
025-095	5.98	3	3x575	0.50
	6.97	5		0.50
	8.15	7.5		0.50
	9.53	10		0.50
025-110	8.58	7.5	3x200	0.50
	9.37	10		0.50
	10.75	15		0.50
	11.02	20		0.50
025-110	8.58	7.5	3x575	0.50
	9.37	10		0.50
	10.75	15		0.50
	11.02	20		0.50
030-070	4.72	1.5	3x200	0.50
	5.08	2		0.50
	5.75	3		0.50
	6.85	5		0.50
030-070	4.72	1.5	3x575	0.50
	5.08	2		0.50
	5.75	3		0.50
	6.85	5		0.50
030-095	6.10	5	3x200	0.50
	6.65	7.5		0.50
	7.40	10		0.50
	8.58	15		0.50
	8.86	20		0.50
030-095	6.10	5	3x575	0.50
	6.65	7.5		0.50
	7.40	10		0.50
	8.58	15		0.50
	8.86	20		0.50

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
030-110	8.35	10	3x200	0.50
	9.37	15		0.50
	10.55	20		0.50
030-110	8.35	10	3x575	0.50
	9.37	15		0.50
	10.55	20		0.50
030-135	8.98	15	3x200	0.50
	9.76	20		0.50
	10.47	25		0.50
	11.06	30		0.50
	12.64	40		0.50
	12.91	50		0.50
030-135	12.64	40	3x460	0.50
	12.91	50		0.50
030-135	8.98	15	3x575	0.50
	9.76	20		0.50
	10.47	25		0.50
	11.06	30		0.50
	12.64	40		0.50
	12.91	50		0.50
040-070	4.72	2	3x200	0.50
	5.28	3		0.50
	6.14	5		0.50
	6.85	7.5		0.50
	6.85	10		0.50
040-070	4.72	2	3x575	0.50
	5.28	3		0.50
	6.14	5		0.50
	6.85	7.5		0.50
	6.85	10		0.50
040-095	6.38	7.5	3x200	0.50
	7.05	10		0.50
	8.11	15		0.50
	9.37	20		0.50
040-095	6.38	7.5	3x575	0.50
	7.05	10		0.50
	8.11	15		0.50
	9.37	20		0.50
040-110	8.11	15	3x200	0.50
	8.66	20		0.50
	9.29	25		0.50
	9.92	30		0.50
040-110	8.11	15	3x575	0.50
	8.66	20		0.50
	9.29	25		0.50
	9.92	30		0.50
040-135	9.29	20	3x200	0.50
	10.00	25		0.50
	10.71	30		0.50
	11.69	40		0.50
	12.64	50		0.50
040-135	11.69	40	3x460	0.50
	12.64	50		0.50

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
040-135	9.29	20	3x575	0.50
	10.00	25		0.50
	10.71	30		0.50
	11.69	40		0.50
	12.64	50		0.50
040-150	12.20	50	3x200	0.50
	12.87	60		0.50
040-150	12.20	50	3x460	0.50
	12.87	60		0.50
	12.87	75		0.50
040-150	12.20	50	3x575	0.50
	12.87	60		0.50
	12.87	75		0.50
050-070	4.88	3	3x200	0.50
	6.06	5		0.50
	6.61	7.5		0.50
	6.93	10		0.50
050-070	4.88	3	3x575	0.50
	6.06	5		0.50
	6.61	7.5		0.50
	6.93	10		0.50
050-095	6.46	10	3x200	0.50
	7.24	15		0.50
	8.07	20		0.50
	8.62	25		0.50
	9.13	30		0.50
050-095	6.46	10	3x575	0.50
	7.24	15		0.50
	8.07	20		0.50
	8.62	25		0.50
	9.13	30		0.50
050-110	8.35	20	3x200	0.50
	8.94	25		0.50
	9.45	30		0.50
	10.63	40		0.50
	10.63	50		0.50
050-110	10.63	40	3x460	0.50
	10.63	50		0.50
050-110	8.35	20	3x575	0.50
	8.94	25		0.50
	9.45	30		0.50
	10.63	40		0.50
	10.63	50		0.50
050-135	8.86	25	3x200	0.50
	9.29	30		0.50
	10.43	40		0.50
	11.18	50		0.50
	11.89	60		0.50
050-135	10.43	40	3x460	0.50
	11.18	50		0.50
	11.89	60		0.50
	12.83	75		0.50

Pump size	Impeller diameter [inch]	Power size [hp]	Voltage [V]	PEI value
050-135	8.86	25	3x575	0.50
	9.29	30		0.50
	10.43	40		0.50
	11.18	50		0.50
	11.89	60		0.50
	12.83	75		0.50
060-095	7.87	20	3x200	0.50
	8.35	25		0.50
	8.74	30		0.50
	9.53	40		0.50
	9.53	50		0.50
060-095	9.53	40	3x460	0.50
	9.53	50		0.50
060-095	7.87	20	3x575	0.50
	8.35	25		0.50
	8.74	30		0.50
	9.53	40		0.50
	9.53	50		0.50
060-110	8.78	30	3x200	0.50
	9.45	40		0.50
	10.08	50		0.50
	10.75	60		0.50
060-110	9.45	40	3x460	0.50
	10.08	50		0.50
	10.75	60		0.50
	10.75	75		0.50
060-110	8.78	30	3x575	0.50
	9.45	40		0.50
	10.08	50		0.50
	10.75	60		0.50
	10.75	75		0.50
080-135	9.84	60	3x200	0.50
080-135	9.84	60	3x460	0.50
	9.84	75		0.50
080-135	9.84	60	3x575	0.50
	9.84	75		0.50

NBS pump with fixed-speed motors

2-pole

Pump size	Max. Power [hp]	Max. impeller trim [inch]	PEI		
			Bare pump	Pump with motor	Pump with motor and CUE [29]
012-070	15	6.97	0.93	0.93	0.48
015-070	20	6.93	0.91	0.91	0.46
015-090	40	9.84	0.88	0.88	0.44
015-095	50	9.69	0.88	0.88	0.44
020-095	60	9.45	0.9	0.9	0.44
025-070	30	6.77	0.91	0.91	0.47
025-095	75	9.53	0.93	0.93	0.45
030-070	40	6.85	0.93	0.93	0.47
030-095	125	8.86	0.94	0.94	0.46
040-070	50	6.77	0.93	0.94	0.46
040-095	125	8.35	0.96	0.96	0.47
050-070	75	6.93	0.94	0.94	0.46

[29] Asynchronous motor + CUE

4-pole

Pump size	Max. Power [hp]	Max. impeller trim [inch]	PEI		
			Bare pump	Pump with motor	Pump with motor and CUE [29]
012-070	1.5	6.97	0.87	0.87	0.47
015-070	3	6.93	0.92	0.92	0.49
015-090	5	9.84	0.84	0.84	0.44
015-095	7.5	9.84	0.9	0.9	0.45
020-095	7.5	9.45	0.94	0.94	0.47
020-110	15	10.31	0.89	0.89	0.45
020-135	25	13.39-13.23	0.87	0.87	0.43
025-070	5	6.77	0.89	0.89	0.48
025-095	10	9.53	0.91	0.91	0.45
025-110	15	11.02	0.9	0.9	0.45
030-070	5	6.85	0.9	0.9	0.47
030-095	15	8.86	0.92	0.92	0.46
030-110	20	10.94-10.63	0.9	0.9	0.45
030-135	40	12.91	0.91	0.92	0.45
040-070	7.5	6.85	0.93	0.93	0.47
040-095	20	9.37	0.95	0.95	0.46
040-110	30	10.08	0.93	0.93	0.46
040-135	50	12.83	0.95	0.95	0.46
040-150	150	16.77	0.97	0.97	0.47
050-070	10	6.93	0.94	0.94	0.47
050-095	30	9.13	0.93	0.93	0.46
050-110	40	10.63	0.95	0.95	0.47
050-135	75	13.11-12.95	0.94	0.94	0.45
050-150	150	14.96	0.95	0.95	0.46
060-095	40	9.53	0.93	0.93	0.45
060-110	60	10.75	0.93	0.93	0.44
060-135	125	12.91-12.76	0.95	0.95	0.46
060-150	250	15.83	OUT OF SCOPE		
080-135	150	12.6	0.94	0.94	0.45
080-150	250	15.59	OUT OF SCOPE		
100-150	250	14.76	OUT OF SCOPE		

[29] Asynchronous motor + CUE

6-pole

6-pole pumps are out of DOE scope, PEI value is not available.

17. Motor data

Standard motor range

The table shows the standard motors currently available for NBS pumps.

NEMA premium efficiency (IE3) motors

Rated voltage [V]		200		230/460		460	
Poles	Power [hp]	ODP	TEFC	ODP	TEFC	ODP	TEFC
2	3	●	-	●	●	-	-
	5	●	●	●	●	-	-
	7.5	●	●	●	●	-	-
	10	●	●	●	●	-	-
	15	●	-	●	●	-	-
	20	●	-	●	●	-	-
	25	●	-	●	●	-	-
	30	●	-	●	●	-	-
	40	●	-	●	●	-	-
	50	●	-	●	●	-	-
	60	-	-	●	●	-	-
	75	-	-	●	●	-	-
	100	-	-	●	-	-	●
	125	-	-	-	-	●	●
4	1	-	-	●	-	-	-
	1.5	-	-	●	●	-	-
	2	-	-	●	●	-	-
	3	●	●	●	●	-	-
	5	●	●	●	●	-	-
	7.5	●	●	●	●	-	-
	10	●	●	●	●	-	-
	15	●	●	●	●	-	-
	20	●	●	●	●	-	-
	25	●	●	●	●	-	-
	30	●	●	●	●	-	-
	40	●	●	●	●	-	-
	50	●	●	●	●	-	-
	60	-	-	●	●	-	-
	75	-	-	●	●	-	-
	100	-	-	●	●	-	-
	125	-	-	-	-	●	-
	150	-	-	-	-	●	-
	200	-	-	-	-	●	●
	250	-	-	-	-	●	-

Rated voltage [V]		200		230/460		460	
Poles	Power [hp]	ODP	TEFC	ODP	TEFC	ODP	TEFC
6	1	-	-	-	●	-	-
	1.5	-	-	-	●	-	-
	2	-	-	-	●	-	-
	3	-	-	●	●	-	-
	5	-	-	●	●	-	-
	7.5	-	-	●	●	-	-
	10	-	-	●	●	-	-
	15	-	-	●	●	-	-
	20	-	-	●	●	-	-
	25	-	-	●	●	-	-
	30	-	-	●	●	-	-
	40	-	-	●	●	-	-
	50	-	-	●	●	-	-
	60	-	-	●	●	-	-
	75	-	-	-	●	●	-
	100	-	-	-	-	●	●

E-motor range

MLE Motor range

The table below shows the frequency controlled MLE motors used in the NBSE pump range.

P2, MLE motor [hp]	NBSE, NBSE Series 2000					
	Medium speed, 4000 RPM		Low speed, 2000 RPM		Low speed, 2200 RPM	
	460 V	200-240 V	460 V	200-240 V	460 V	200-240 V
1.5	-	-	●	-	-	-
2	-	-	●	-	-	-
3	●	●	-	-	●	-
5	●	●	-	-	●	-
7.5	●	●	-	-	●	-
10	●	●	-	-	●	-
15	●	●	-	-	●	-
20	●	-	-	-	●	-
25	●	-	-	-	●	-
30	●	-	-	-	●	-

WEG PM Motor range

The table below shows the frequency controlled WEG PM motors used in the NBSE pump range.

P2, WEG PM motor [hp]	NBSE, NBSE Series 2000					
	Medium speed, 3600-4000 RPM			Low speed, 1800-2200 RPM		
	200 V	460 V	575 V	200 V	460 V	575 V
1.5	-	-	-	●	-	●
2	-	-	-	●	-	●
3	●	-	●	●	-	●
5	●	-	●	●	-	●
7.5	●	-	●	●	-	●
10	●	-	●	●	-	●
15	●	-	●	●	-	●
20	●	-	●	●	-	●
25	●	-	●	●	-	●
30	●	-	●	●	-	●
40	●	●	●	●	●	●
50	●	●	●	●	●	●
60	●	●	●	●	●	●
75	-	●	●	-	●	●

Electrical data, MLE motors

For electrical data of MLE motors, see the "MLE" data booklet. The data sheet is available in Grundfos Product Center on www.grundfos.com. For further information on Grundfos Product Center, see section Grundfos Product Center.

Related information

20. Grundfos Product Center

18. Accessories

Flow sensor

Grundfos vortex flow sensor, VFI [30]	Type	Flow range gal/min (m^3/h)	Pipe connection	O-ring		Connection type		Product number
				EPDM	FKM	Cast iron flange	Stainless steel flange	
 • Sensor tube with sensor • Sensor tube of 1.4408 and sensor of 1.4404 • 2 flanges • 5 m cable with M12 connection in one end • Quick guide	VFI 1.3-25 DN32 020 E	5.7 - 110.1 (1.3 - 25)	1 ¼" DN 32	•		•		97686141
	VFI 1.3-25 DN32 020 F				•	•		97686142
	VFI 1.3-25 DN32 020 E			•			•	97688297
	VFI 1.3-25 DN32 020 F				•		•	97688298
	VFI 2-40 DN40 020 E	8.8 - 176.1 (2-40)	1 ½" DN 40	•		•		97686143
	VFI 2-40 DN40 020 F				•	•		97686144
	VFI 2-40 DN40 020 E			•			•	97688299
	VFI 2-40 DN40 020 F				•		•	97688300
	VFI 3.2-64 DN50 020 E	8.8 - 281.8 (2-64)	2" DN 50	•		•		97686145
	VFI 3.2-64 DN50 020 F				•	•		97686146
	VFI 3.2-64 DN50 020 E			•			•	97688301
	VFI 3.2-64 DN50 020 F				•		•	97688302
	VFI 5.2-104 DN65 020 E	22.9 - 457.9 (5.2 - 104)	2 ½" DN 65	•		•		97686147
	VFI 5.2-104 DN65 020 F				•	•		97686148
	VFI 5.2-104 DN65 020 E			•			•	97688303
	VFI 5.2-104 DN65 020 F				•		•	97688304
	VFI 8-160 DN80 020 E	35.2 - 704.5 (8-160)	3" DN 80	•		•		97686149
	VFI 8-160 DN80 020 F				•	•		97686150
	VFI 8-160 DN80 020 E			•			•	97688305
	VFI 8-160 DN80 020 F				•		•	97688306
	VFI 12-240 DN100 020 E	52.8 - 1056.7 (12-240)	4" DN 100	•		•		97686151
	VFI 12-240 DN100 020 F				•	•		97686152
	VFI 12-240 DN100 020 E			•			•	97688308
	VFI 12-240 DN100 020 F				•		•	97688309

[30] For more information about the VFI sensor, see the "Grundfos direct sensors" data booklet, publication number 97790189.

Pressure sensors

Grundfos offers a wide range of custom-built RPS and DPS sensors.

The RPS and DPS sensors can be customised depending on the application.

Therefore, contact Grundfos Direct Sensors™ when proceeding to selection.

Grundfos differential pressure sensor standard, DPS	Data sheet product number [31]	Pressure range [psi (bar)]
	97849781	0 - 8.7 (0 - 0.6)
	97849782	0 - 14.5 (0 - 1.0)
	97849783	0 - 23.2 (0 - 1.6)
	97849784	0 - 36.3 (0 - 2.5)
	97849785	0 - 58.0 (0 - 4.0)
	97849786	0 - 87.0 (0 - 6.0)

31) Enter the product number of the data sheet into Grundfos Product Center to view data for the sensor.

Relative Pressure sensor Standard, RPS	Data sheet product number [31]	Pressure range [psi (bar)]
	97892947	0 - 8.7 (0 - 0.6)
	97892946	0 - 14.5 (0 - 1.0)
	97892947	0 - 23.2 (0 - 1.6)
	97892948	0 - 36.3 (0 - 2.5)
	97892946	0 - 58.0 (0 - 4.0)
	97892950	0 - 87.0 (0 - 6.0)
	97892961	0 - 145.0 (0-10)
		0 - 232.0 (0-16)

31) Enter the product number of the data sheet into Grundfos Product Center to view data for the sensor.

Note: Select the differential pressure sensor so that the maximum pressure of the sensor is higher than the maximum differential pressure of the pump.

External Grundfos sensors

Sensor interface, SI 001 PSU [32]		Product number
	Grundfos Direct Sensors™, type SI 001 PSU, is an external power supply for the VFI, RPS, DPS and other transmitters that require 24 VDC supply voltage. It is used when the cable between transmitter and controller is more than 95.5 feets (30 meters) long.	96915820

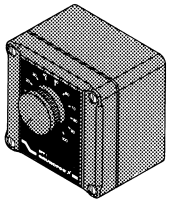
32) For more information about the PSU sensor interface, see the Installation and operating instructions "SI 001 PSU - sensor interface", publication number 96944355, or Quick guide, publication number 96944356.

Danfoss pressure sensor kit	Pressure range PSI (bar])	Product number
• Connection: G 1/2 A (DIN 16288 - B6kt) • Electrical connection: Plug (DIN 43650)	0 - 36.3 (0 - 2.5)	96478188
	0-58 (0-4)	91072075
	0-87 (0-6)	91072076
	0-145 (0-10)	91072077
	0-232 (0-16)	91072078
• Pressure sensor, type MBS 3000, with 2 m screened cable • Connection: G 1/4 A (DIN 16288 - B6kt) • 5 cable clips, black • Fitting instructions PT (00400212)	0 - 36.3 (0 - 2.5)	405159
	0-58 (0-4)	405160
	0-87 (0-6)	405161
	0-145 (0-10)	405162
	0-232 (0-16)	405163

	Type	Supplier	Measuring range	Product number
Flowmeter	SITRANS F M MAGFLO MAG 5100 W	Siemens	4.4 - 22.0 gal/min (1") 1-5 m^3/h (DN 25)	ID8285
Flowmeter	SITRANS F M MAGFLO MAG 5100 W	Siemens	13.2 - 44.0 gal/min (1 ½") 3-10 m^3/h (DN 40)	ID8286
Flowmeter	SITRANS F M MAGFLO MAG 5100 W	Siemens	26.4 - 132.1 gal/min (2 ½") 6-30 m^3/h (DN 65)	ID8287
Flowmeter	SITRANS F M MAGFLO MAG 5100 W	Siemens	88.1 - 330.2 gal/min (4") 20-75 m^3/h (DN 100)	ID8288
Temperature sensor	TTA (0) 25	Carlo Gavazzi	32-77 °F 0-25 °C	96432591
Temperature sensor	TTA (-25) 25	Carlo Gavazzi	-13 to +77 °F -25 to +25 °C	96430194
Temperature sensor	TTA (50) 100	Carlo Gavazzi	122-212 °F 50-100 °C	96432592
Temperature sensor	TTA (0) 150	Carlo Gavazzi	32-302 °F 0-150 °C	96430195
Accessory for temperature sensor. All with 1/2 RG connection.	Protecting tube ∅9 x 50 mm	Carlo Gavazzi		96430201
	Protecting tube ∅9 x 100 mm	Carlo Gavazzi		96430202
	Cutting ring bush	Carlo Gavazzi		96430203
Temperature sensor, ambient temperature	WR 52	tmg (DK: Plesner)	-58 to + 122 °F -50 to +50 °C	ID8295
Differential temperature sensor	ETSD	Honsberg	32-68 °F 0-20 °C	96409362
Differential temperature sensor	ETSD	Honsberg	32-122 °F 0-50 °C	96409363

Note: All sensors have 4-20 mA output signal.

Potentiometer



TM021630

Potentiometer for setpoint setting and start/stop of the pump.

Product	Product number
External potentiometer with cabinet for wall mounting	625468

Grundfos GO

Grundfos GO is used for wireless infrared or radio communication with the pumps.

Grundfos GO is implemented in NBSE using Mobile interface MI-301 which is described below.

MI 301

MI 301 is a module with built-in infrared and radio communication. Use MI 301 in conjunction with an Android or iOS-based smart devices with a Bluetooth connection. MI 301 has a rechargeable Li-ion battery and you must charge it separately.



TM053890

MI 301

Supplied with the product:

- Grundfos MI 301
- sleeve
- battery charger
- quick guide.

Product numbers

	Product number
Grundfos MI 301	98046408

Supported units

Make	Model	Operating system	MI 301
Apple	iPod touch 4G	iOS 5.0 or later	•
	iPhone 4, 4S		•
	iPod touch 5G	iOS 6.0 or later	•
	iPhone 5		•
HTC	Desire S	Android 2.3.3 or later	•
	Sensation	Android 2.3.4 or later	•
Samsung	Galaxy S II		•
	Galaxy Nexus	Android 4.0 or later	•
LG	Google Nexus 4	Android 4.2 or later	•

Note: Similar Android and iOS-based devices may work as well, but are not supported by Grundfos.

CIU communication interface units



GRA6118

Grundfos CIU communication interface unit

The CIU units enable communication of operating data, such as measured values and setpoints, between E-pumps and a building management system. The CIU unit incorporates a 24-240 VAC/VDC power supply module and a CIM module. It can either be mounted on a DIN rail or on a wall.

We offer the following CIU units:

Description	Fieldbus protocol	Product number
CIU 100	LonWorks for pumps	96753735
CIU 150	PROFIBUS DP	96753081
CIU 200	Modbus RTU	96753082
CIU 260 *	Cellular	
CIU 280*	GRM	
CIU 300	BACnet MS/TP	96893769
CIU 500	Ethernet, BACnet IP	96753894
CIU 500	Ethernet, Modbus TCP	
CIU 500	Ethernet, PROFINET IO	
CIU 500	Ethernet, GRM IP	
CIU 500	Ethernet, EtherNet/IP	
CIU 900	CIU box without CIM	99448387
CIU 901	CIU box with IO 270 only	99448389

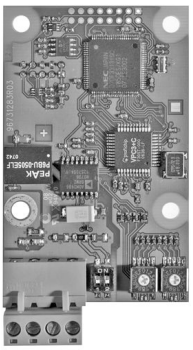
* Antenna not included. See section Antennas and battery.

For further information about data communication via CIU units and fieldbus protocols, see the CIU documentation available in Grundfos Product Center.

Related information

Antennas and battery

CIM communication interface modules



GRA6121

Grundfos CIM communication interface module

The CIM modules enable communication of operating data, such as measured values and setpoints, between E-pumps of 3-15 hp (2.2 - 11 kW) and a building management system. The CIM modules are add-on communication modules which are installed in the terminal box.

Note: CIM modules must be installed by authorized personnel.

We offer the following CIM modules:

Product	Description	Product number
CIM 100	LonWorks for pumps	96824797
CIM 110	LonWorks for multipump	96824798
CIM 150	PROFIBUS DP	96824793
CIM 200	Modbus RTU	96824796
CIM 260-EU*	3G/4G cellular	99439302
CIM 260-US*	3G/4G cellular	99439306
CIM 280 *	GRM	
CIM 280-EU*	GiC/GRM 3G/4G	99439724
CIM 280-US*	GiC/GRM 3G/4G	99439725
CIM 300	BACnet MS/TP	96893770
CIM 500	Ethernet, BACnet IP	98301408
CIM 500	Ethernet, Modbus TCP	
CIM 500	Ethernet, PROFINET IO	
CIM 500	Ethernet, GRM IP	
CIM 500	Ethernet, EtherNet/IP	

* Antenna not included. See section Antennas and battery.

For further information about data communication via CIM modules and fieldbus protocols, see the CIM documentation available in Grundfos Product Center.

Related information

Antennas and battery

Antennas and battery

Description	Product number
Antenna for roof for CIM/CIU 250/270	97631956
Antenna for desk for CIM/CIU 250/270	97631957
Antenna (rod) 3G/4G for CIM 260/280	99043061
Antenna (puc) 3G/4G for CIM 260/280	99518079
CIM 250 battery	99499908

EMC filter

EMC (electromagnetic compatibility to EN 61800-3)

Motor [hp (kW)]		Emission/immunity
2-pole	4-pole	
0.50 (0.37)	0.50 (0.37)	**Emission** Motors may be installed in residential areas (first environment), unrestricted distribution, corresponding to CISPR11, group 1, class B. **Immunity** Motors fulfill the requirements for both the first and second environment.
0.74 (0.55)	0.74 (0.55)	
1.01 (0.75)	1.01 (0.75)	
1.48 (1.1)	1.48 (1.1)	
2.01 (1.5)	2.01 (1.5)	
2.95 (2.2)	2.95 (2.2)	
4.02 (3.0)	4.02 (3.0)	
5.36 (4.0)	5.36 (4.0)	
10.06 (7.5)	-	
13.41 (10)	-	
-	10.06 (7.5)	Emission The motors are category C3, corresponding to CISPR11, group 2, class A, and may be installed in industrial areas (second environment). If equipped with an external Grundfos EMC filter, the motors are category C2, corresponding to CISPR11, group 1, class A, and may be installed in residential areas (first environment).
-	13.41 (10)	
20.12 (15)	-	



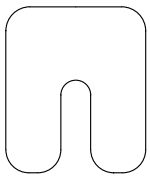
TM029198

EMC filter

The EMC filter for residential areas is available as a complete kit ready for installation.

Product	Product number
EMC filter 7.5 hp (5.5 kW) and 10 hp (7.5 kW), 4-pole	96041047
EMC filter 15 hp (11 kW)	96478309

Shims



TM043264

Shim

Shims to adjust motor height when aligning pump and motor.

Product	Product number
Small case (180 pcs)	96659156
Large case (360 pcs)	96659157

Each case contains three types of shims:

Type 1: 55 x 50 mm (2.17 x 1.97 in), 15 mm (0.59 in) slot.

Type 2: 75 x 70 mm (2.95 x 2.76 in), 23 mm (0.91 in) slot.

Type 3: 90 x 80 mm (3.54 x 3.15 in), 32 mm (1.26 in) slot.

Each type has ten of each of three sizes: 0.02; 0.028; 0.039 inch (0.5; 0.7; 1 mm).

A large case contains 20 of each of the above-mentioned shims. Refills can be found via service.

19. Service

Some pump parts will become worn over time and need to be replaced. These parts can be ordered as service kits.

Service recommendations

To avoid unnecessary downtime, we recommend that you stock certain service parts. These service parts should be ordered together with the pump.

Information about service kits and recommended service parts can be found in the service kit catalogue.

In Grundfos Product Center, you can also search for the "Service offerings" data booklet, which gives relevant information about service issues.

20. Grundfos Product Center

Online search and sizing tool to help you make the right choice.
From the international view, you can select your specific country to view the product range available to you.
International view: *https://product-selection.grundfos.com*

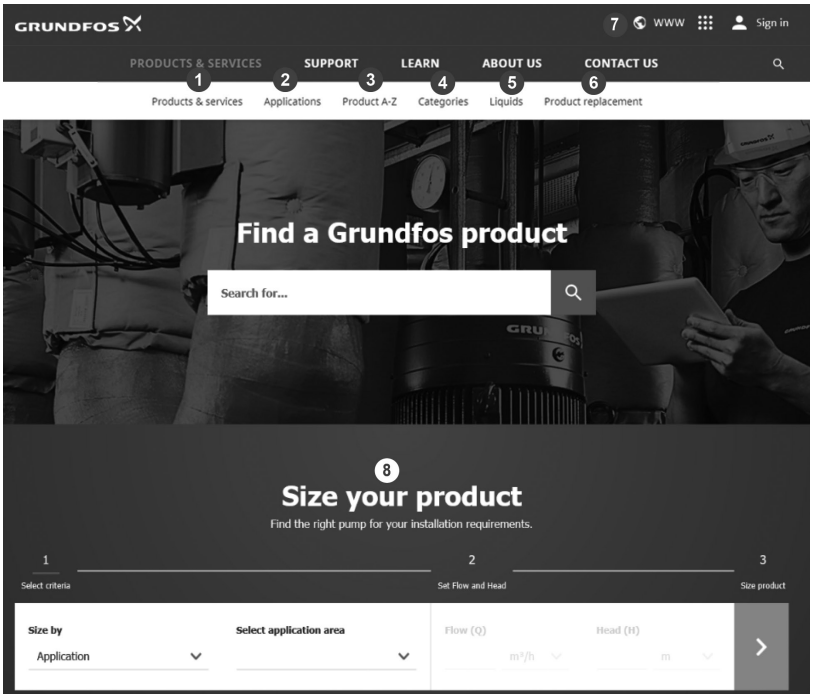
All the information you need in one place

Performance curves, technical specifications, pictures, dimensional drawings, motor curves, wiring diagrams, spare parts, service kits, 3D drawings, documents, system parts. The Product Center displays any recent and saved items - including complete projects - right on the main page.

Downloads

On the product pages, you can download installation and operating instructions, data booklets, service instructions, etc., in PDF format.





When you select your country, you see the menus below. Note that some menus may not be available depending on the country.
Example: *https://product-selection.grundfos.com/uk*

Pos.	Description
1	**Products & services** enables you to find products and documents by typing a product number or name into the search field.
2	**Applications** enables you to choose an application to see how Grundfos can help you design and optimize your system.
3	**Products A-Z** enables you to look through a list of all the Grundfos products.
4	**Categories** enables you to look for a product category.
5	**Liquids** enables you to find pumps designed for aggressive, flammable or other special liquids.
6	**Product replacement** enables you to find a suitable replacement.
7	**WWW** enables you to select the country, which changes the language, the available product range and the structure of the website.
8	**Sizing** enables you to size a product based on your application and operating conditions.

21. Grundfos GO

Mobile solution for professionals on the GO!

The Grundfos GO is the mobile tool box for professional users on the go. It is the most comprehensive platform for mobile pump control and pump selection, including sizing, replacement and documentation. It offers intuitive, handheld assistance and access to Grundfos online tools, and it saves valuable time for reporting and data collection.



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