

END-SUCTION CENTRIFUGAL STAINLESS STEEL

SOX series
1.5 - 50 HP



*ANSI counterflange kit
ordered separately

SUCTION

2", 2½", 3" and 4" horizontal flange 150 lb DIN

DISCHARGE

1¼", 1½", 2", 2½" and 3" vertical flange 150 lb DIN

MAX. LIQUID TEMPERATURE

248 °F (120 °C)

MAX. WORKING PRESSURE

145 PSI (10.2 kg/cm²)

BODY

304 stainless steel

SEAL PLATE

304 stainless steel

IMPELLER

Design: close type

Material: 304 stainless steel

SEAL

Design: mechanical, lubricated by water.

Material: silicon carbide stationary part, carbon ring seal and exclusion in the rotating part. EPDM elastomer and stainless steel spring.

BRACKET

Cast iron ASTM, class 30.

HARDWARE

304 stainless steel

O-RINGS

Buna-N

SHAFT SLEEVE

316 stainless steel

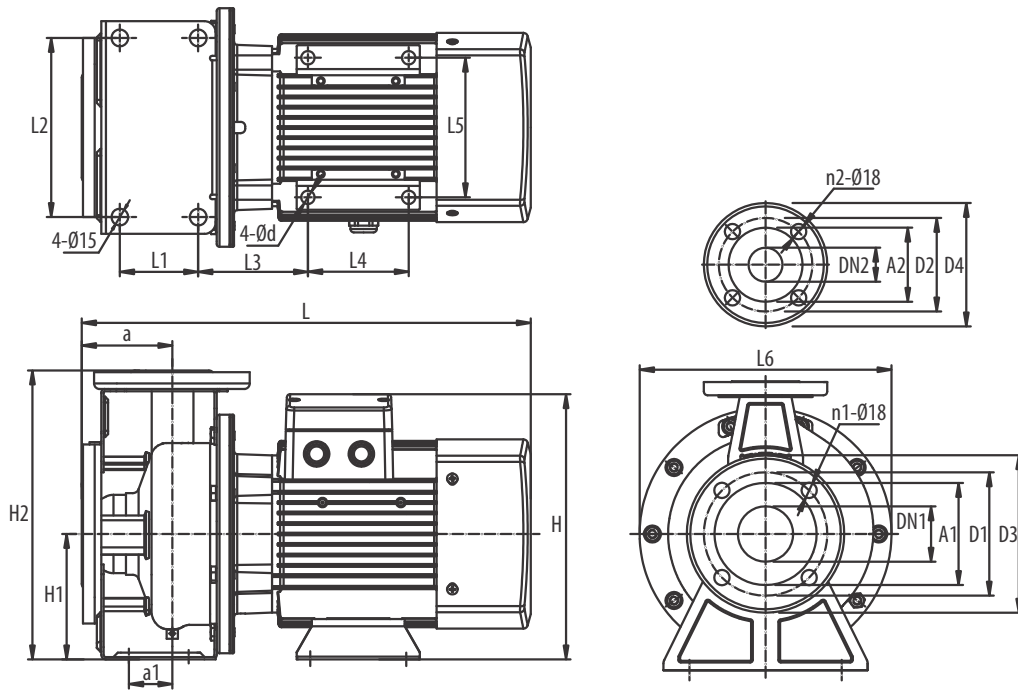
MOTOR

IE3 premium efficiency, totally enclosed with external ventilation; 60 Hz, 3450 RPM, single phase 230 V and three phase 230/460 V, class F insulation. Built-in thermal protection in single-phase motors.

Requires installation of electrical overload protection.

OPTIONAL EQUIPMENT

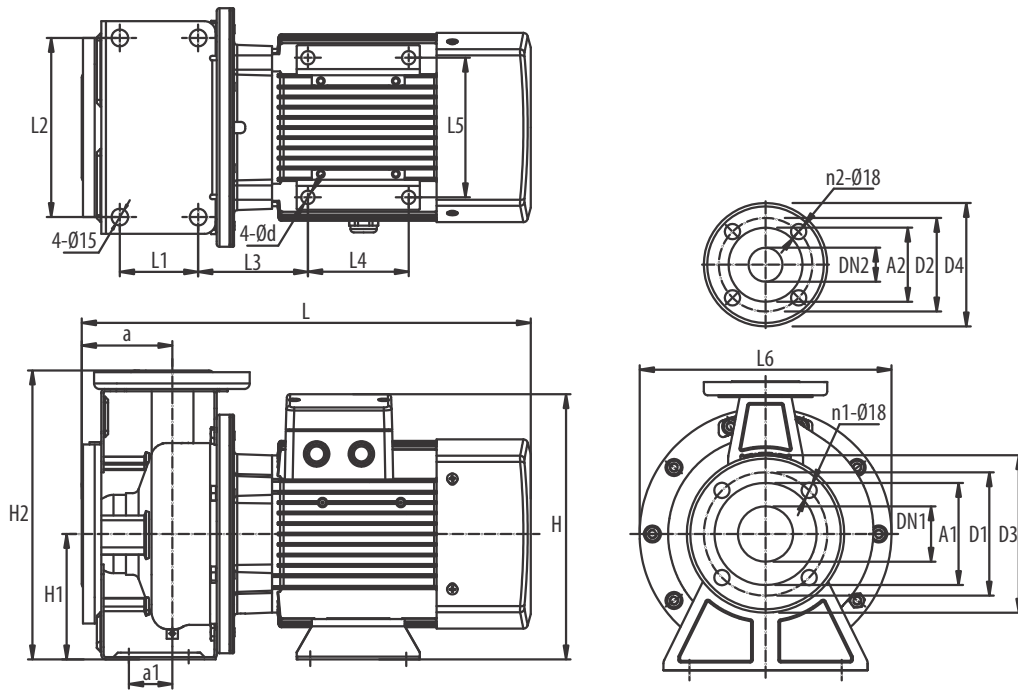
DIN type NPT threaded counterflanges in stainless steel 304. Includes hardware and gaskets.



MODEL	HP	DIMENSIONS (in)											
		DN1	DN2	A1	A2	D1	D2	D3	D4	n1	n2	a	a1
SOX1¼-1.5-2-1	1.5	2"	1¼"	3.9	3	4.9	3.9	6.3	5.5	4	4	3.1	-
SOX1¼-1.5-2		2"	1¼"										
SOX1¼-2-2-1	2	2"	1¼"	3.9	3	4.9	3.9	6.3	5.5	4	4	3.1	-
SOX1¼-2-2		2"	1¼"										
SOX1¼-3-2	3	2"	1¼"	3.9	3	4.9	3.9	6.3	5.5	4	4	3.1	-
SOX1¼-4-2	4	2"	1¼"	3.9	3	4.9	3.9	6.3	5.5	4	4	3.3	-
SOX1¼-5.5-2	5.5	2"	1¼"	3.9	3	4.9	3.9	6.3	5.5	4	4	3.3	-
SOX1¼-7.5-2	7.5	2"	1¼"	3.9	3	4.9	3.9	6.3	5.5	4	4	3.3	1.4
SOX1½-2-2-1	2	2½"	1½"	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.1	-
SOX1½-2-2		2½"	1½"										
SOX1½-3-2-1	3	2½"	1½"	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.1	-
SOX1½-3-2		2½"	1½"										
SOX1½-4-2	4	2½"	1½"	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.1	-
SOX1½-5.5-2	5.5	2½"	1½"	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.1	-
SOX1½-7.5-2	7.5	2½"	1½"	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4
SOX1½-10-2	10	2½"	1½"	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4
SOX1½-15-2	15	2½"	1½"	4.6	3.3	5.7	4.3	7.3	5.7	4	4	3.9	1.4
SOX2-4-2	4	2½"	2"	4.65	3.86	5.71	4.92	7.28	6.3	4	4	3.4	-
SOX2-5.5-2	5.5	2½"	2"	4.65	3.86	5.71	4.92	7.28	6.3	4	4	3.4	-
SOX2-7.5-2	7.5	2½"	2"	4.65	3.86	5.71	4.92	7.28	6.3	4	4	3.9	1.4
SOX2-10-2	10	2½"	2"	4.65	3.86	5.71	4.92	7.28	6.3	4	4	3.9	1.4
SOX2-12.5-2	12.5	2½"	2"	4.65	3.86	5.71	4.92	7.28	6.3	4	4	3.9	1.4
SOX2-15-2	15	2½"	2"	4.65	3.86	5.71	4.92	7.28	6.3	4	4	3.9	1.4
SOX2-20-2	20	2½"	2"	4.65	3.86	5.71	4.92	7.28	6.3	4	4	3.9	1.4
SOX2-25-2	25	2½"	2"	4.65	3.86	5.71	4.92	7.28	6.3	4	4	3.9	1.4
SOX2½-5.5-2	5.5	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX2½-7.5-2	7.5	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX2½-10-2	10	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX2½-12.5-2	12.5	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX2½-15-2	15	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX2½-20-2	20	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX2½-25-2	25	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX2½-30-2	30	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX2½-40-2	40	3"	2½"	5.12	4.65	6.3	5.71	7.87	7.28	8	4	3.9	1.9
SOX3-15-2	15	4"	3"	5.91	5.12	7.09	6.3	8.66	7.87	8	8	4.9	1.9
SOX3-20-2	20	4"	3"	5.91	5.12	7.09	6.3	8.66	7.87	8	8	4.9	1.9
SOX3-25-2	25	4"	3"	5.91	5.12	7.09	6.3	8.66	7.87	8	8	4.9	1.9
SOX3-30-2	30	4"	3"	5.91	5.12	7.09	6.3	8.66	7.87	8	8	4.9	2.2
SOX3-40-2	40	4"	3"	5.91	5.12	7.09	6.3	8.66	7.87	8	8	4.9	2.2
SOX3-50-2	50	4"	3"	5.91	5.12	7.09	6.3	8.66	7.87	8	8	4.9	2.2

IMPORTANT!

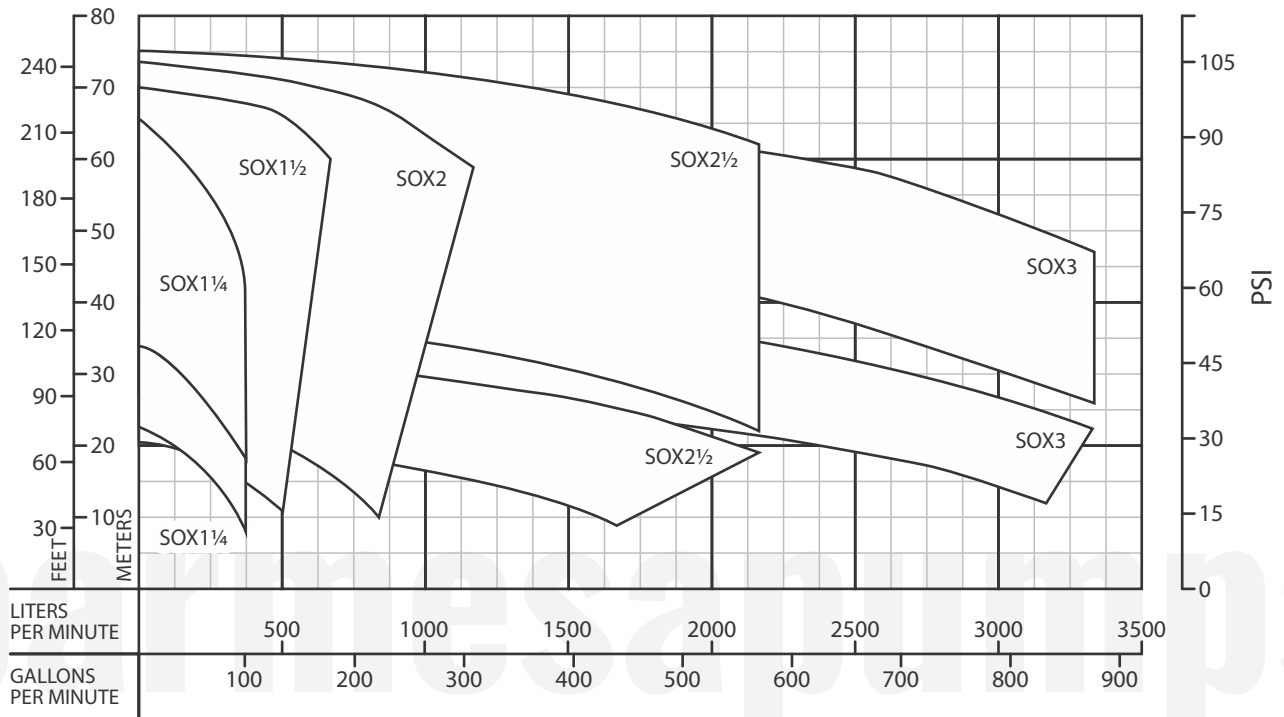
1. Never use this pump to handle explosive liquids.
2. This pump is not approved to be used in swimming pools, recreational installations or any application where human contact may be common.



MODEL	HP	DIMENSIONS (in) (cont.)											WEIGHT (lb)
		d	H	H1	H2	L	L1	L2	L3	L4	L5	L6	
SOX1¼-1.5-2-1	1.5	0.5	9.8	4.4	10.1	14.8	-	-	3.3	3.5	4.9	8.3	49
SOX1¼-1.5-2													
SOX1¼-2-2-1													
SOX1¼-2-2	2	0.5	10.5	4.4	10.1	15.8	-	-	3.9	3.5	4.9	8.3	57
SOX1¼-3-2													
SOX1¼-4-2	4	0.5	13.0	6.3	13.6	18.3	-	-	4.7	3.9	6.2	11.8	84
SOX1¼-5.5-2	5.5	0.5	13.9	6.3	13.6	18.3	-	-	4.5	3.9	6.2	11.8	93
SOX1¼-7.5-2	7.5	0.6	14.7	6.3	13.6	19.8	2.8	8.3	4.3	5.5	7.7	11.8	121
SOX1½-2-2-1	2	0.5	10.5	4.4	10	15.8	-	-	4	3.5	4.9	8.3	51
SOX1½-2-2													
SOX1½-3-2-1	3	0.5	10.5	4.4	10	15.8	-	-	4.3	3.9	6.2	8.3	55
SOX1½-3-2													
SOX1½-4-2	4	0.5	11.1	4.4	10	18.3	-	-	5.1	3.9	6.2	9.8	57
SOX1½-5.5-2	5.5	0.5	12.0	4.4	10	18.3	-	-	4.6	3.9	6.2	9.8	64
SOX1½-7.5-2	7.5	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.8	5.5	7.7	11.8	95
SOX1½-10-2	10	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.8	5.5	7.7	11.8	99
SOX1½-15-2	15	0.6	16.4	6.3	13.4	24.3	2.8	8.3	4.8	8.3	10	13.8	220
SOX2-4-2	4	0.5	11.9	5.2	11.7	18.9	-	-	5	3.9	6.2	9.8	77
SOX2-5.5-2	5.5	0.5	12.8	5.2	11.7	18.9	-	-	5.1	3.9	6.2	9.8	86
SOX2-7.5-2	7.5	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.9	5.5	7.7	11.8	121
SOX2-10-2	10	0.6	14.7	6.3	13.4	20.8	2.8	8.3	4.9	5.5	7.7	11.8	128
SOX2-12.5-2	12.5	0.6	14.7	6.3	13.4	22.3	2.8	8.3	5.7	5.5	7.7	11.8	143
SOX2-15-2	15	0.6	16.4	6.3	13.4	24.3	2.8	8.3	4.8	8.3	10	13.8	218
SOX2-20-2	20	0.6	16.4	6.3	13.4	24.3	2.8	8.3	4.8	8.3	10	13.8	249
SOX2-25-2	25	0.6	16.4	6.3	13.4	26.1	2.8	8.3	4.8	10	10	13.8	278
SOX2½-5.5-2	5.5	0.6	14.7	6.3	13.4	21.3	3.7	8.3	4.1	5.5	7.7	11.8	134
SOX2½-7.5-2	7.5	0.6	14.7	6.3	13.4	21.3	3.7	8.3	4.1	5.5	7.7	11.8	134
SOX2½-10-2	10	0.6	14.7	6.3	13.4	21.3	3.7	8.3	4.1	5.5	7.7	11.8	139
SOX2½-12.5-2	12.5	0.6	14.7	6.3	13.4	22.8	3.7	8.3	4.8	5.5	7.7	11.8	152
SOX2½-15-2	15	0.6	16.4	6.3	14.2	24.6	3.7	8.3	3.9	8.3	10	13.8	223
SOX2½-20-2	20	0.6	16.4	6.3	14.2	24.6	3.7	8.3	3.9	8.3	10	13.8	249
SOX2½-25-2	25	0.6	17.2	7.1	15.9	26.3	3.7	9.8	3.6	10	10	13.8	284
SOX2½-30-2	30	0.6	18.1	7.1	15.9	26.3	3.7	9.8	4	10	10	13.8	306
SOX2½-40-2	40	0.6	19.5	7.1	15.9	32.6	3.7	9.8	5.6	12	12.5	13.8	562
SOX3-15-2	15	0.6	17.2	7.1	15.9	26.6	3.7	9.8	4.1	8.3	10	13.8	220
SOX3-20-2	20	0.6	17.2	7.1	15.9	26.6	3.7	9.8	4.1	8.3	10	13.8	249
SOX3-25-2	25	0.6	17.2	7.1	15.9	28.3	3.7	9.8	4.1	10	10	13.8	284
SOX3-30-2	30	0.6	18.1	7.1	16.9	28.3	3.7	11	3.9	10	10	13.8	309
SOX3-40-2	40	0.6	19.5	7.1	16.9	33.9	3.7	11	6.2	12	12.5	13.8	569
SOX3-50-2	50	0.6	19.5	7.1	16.9	33.9	3.7	11	6.2	12	12.5	13.8	646

IMPORTANT!

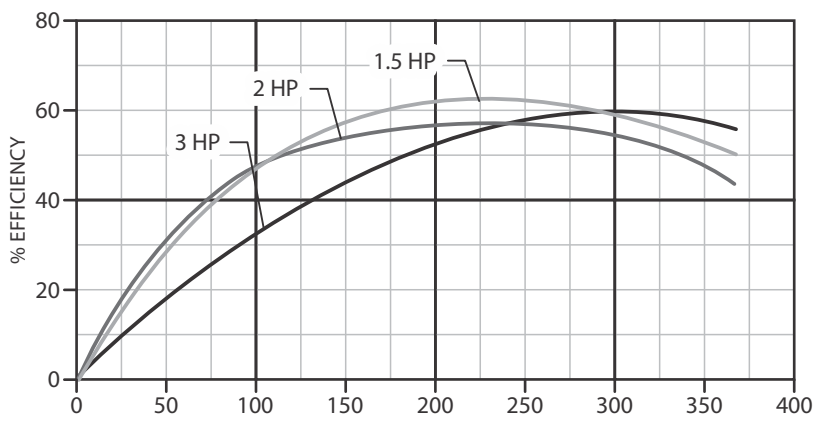
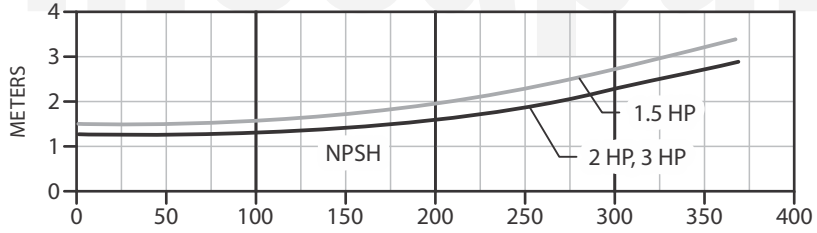
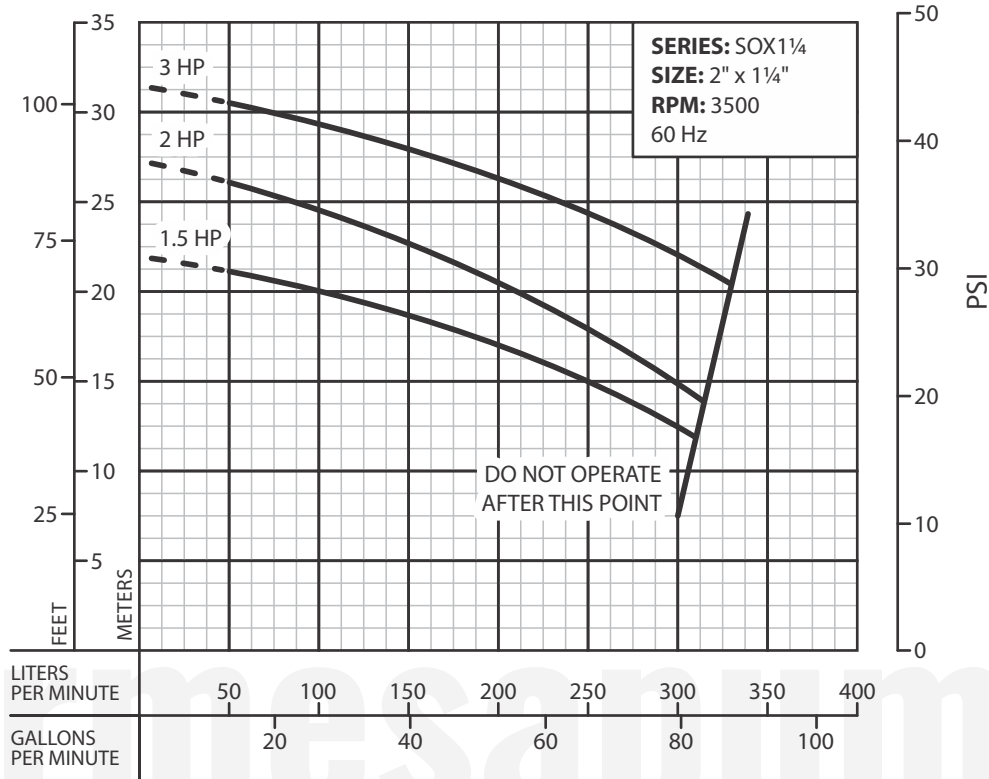
1. Never use this pump to handle explosive liquids.
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SERIES	POWER RANGE	NOMINAL FLOW RATE		OPERATING RANGE	
	HP	LPS	GPM	LPS	GPM
SOX1¼	1.5 - 3	4	63	1 - 6	13 - 95
SOX1¼	4 - 7.5	5	79	1 - 6	13 - 98
SOX1½	2 - 15	7	111	1 - 10	21 - 159
SOX2	4 - 25	12	190	3 - 17	48 - 263
SOX2½	5.5 - 12.5	24	380	11 - 33	171 - 528
SOX2½	15 - 40	28	444	11 - 36	171 - 567
SOX3	15 - 25	38	602	17 - 55	263 - 872
SOX3	30 - 50	44	697	17 - 55	263 - 872

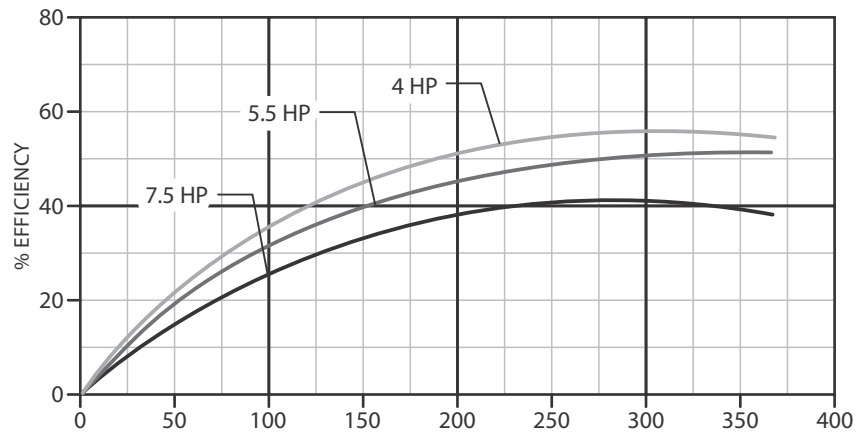
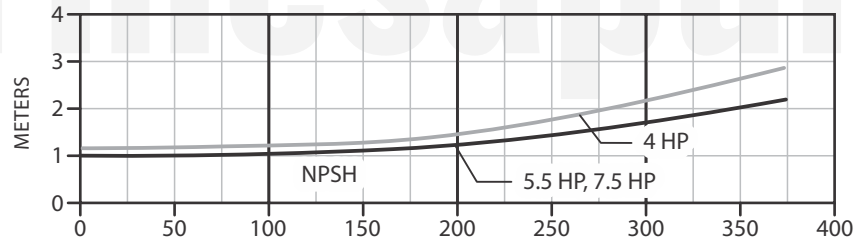
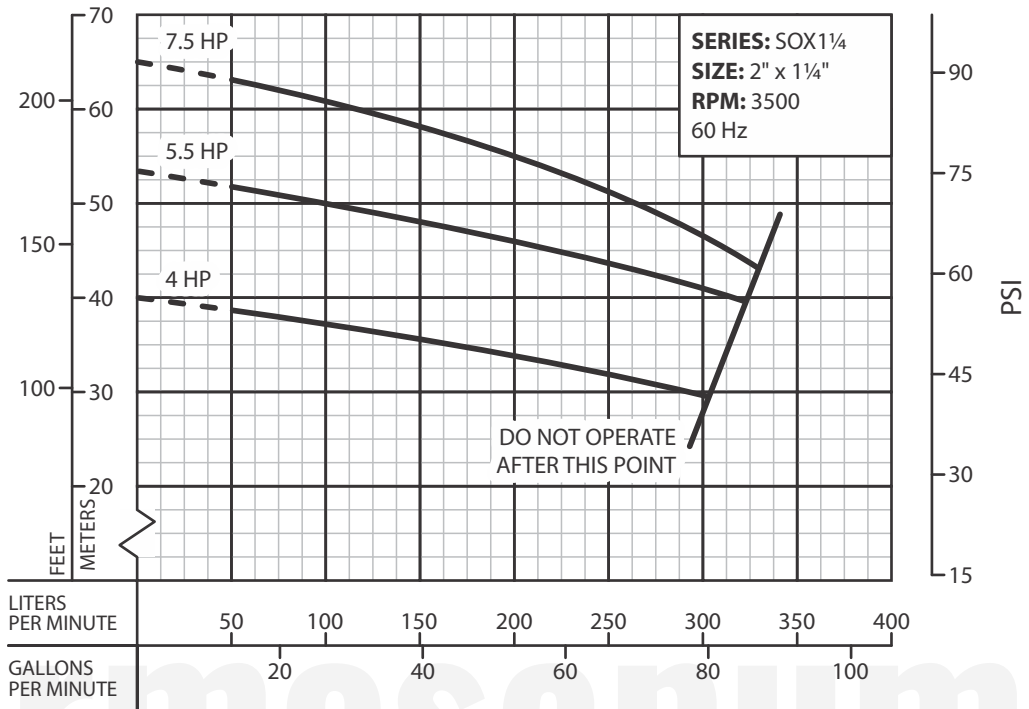
IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68°F (20°C); other fluids may vary performance.



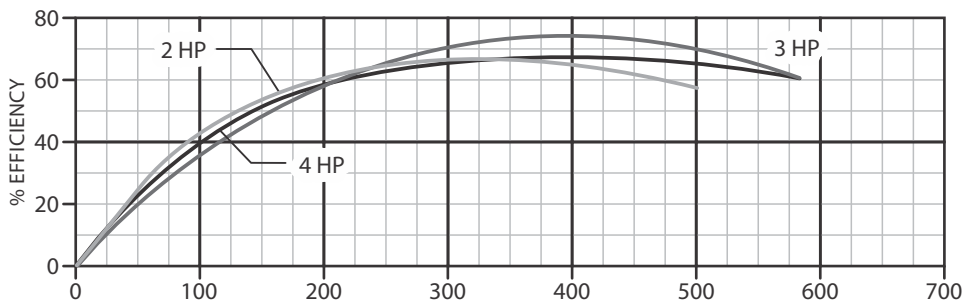
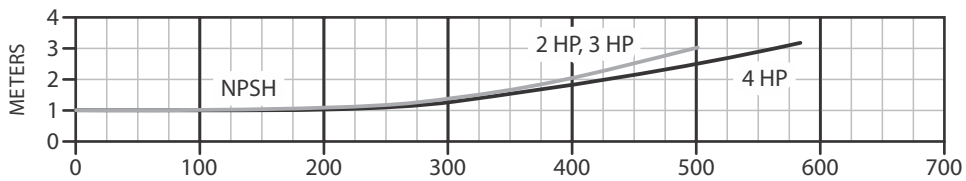
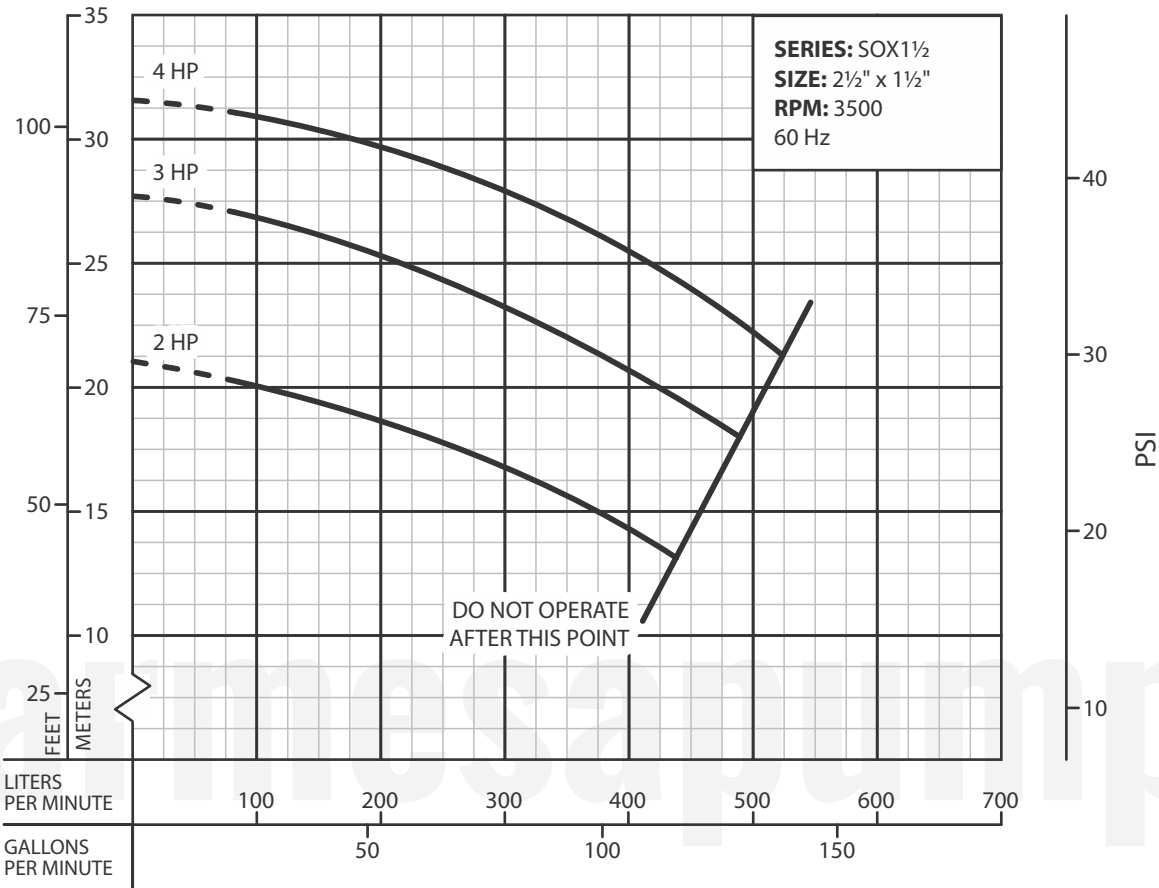
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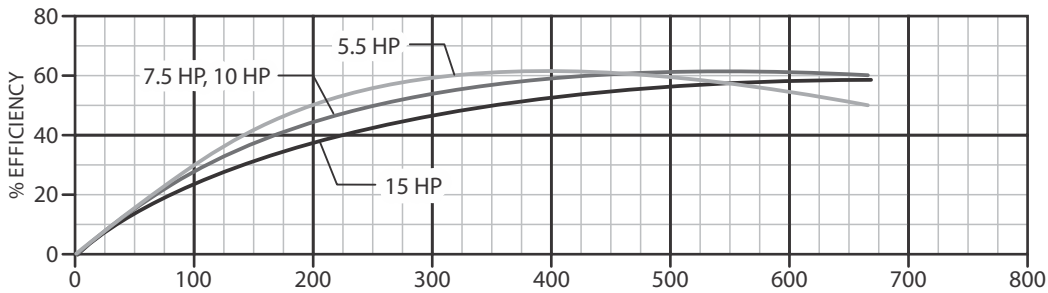
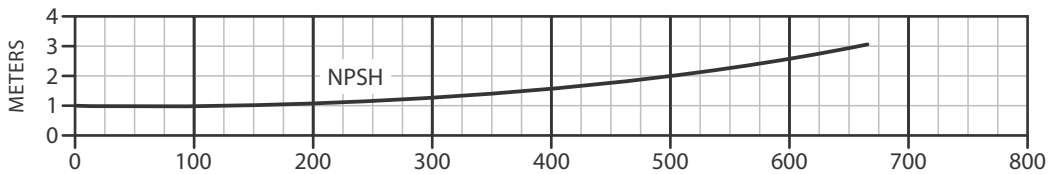
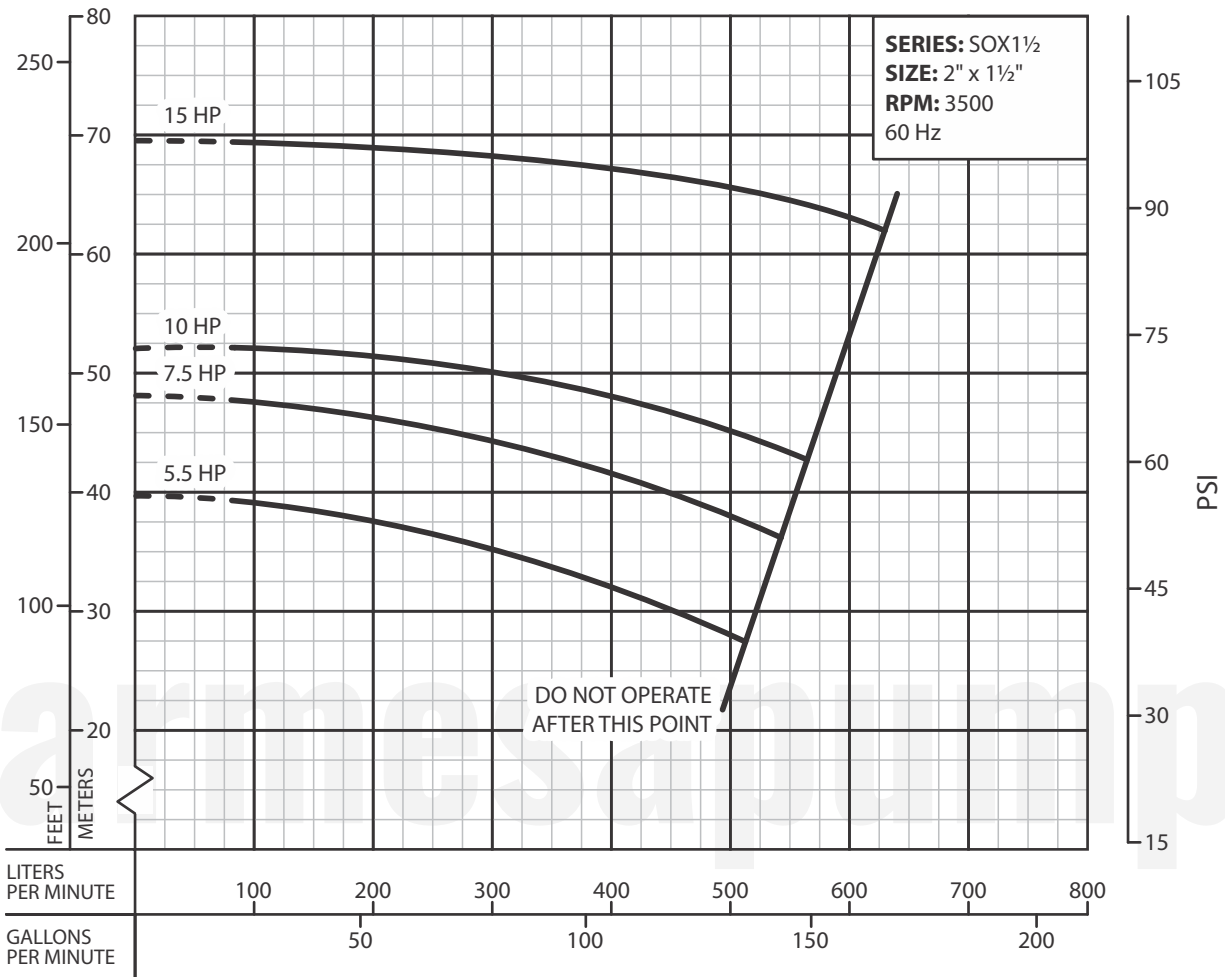
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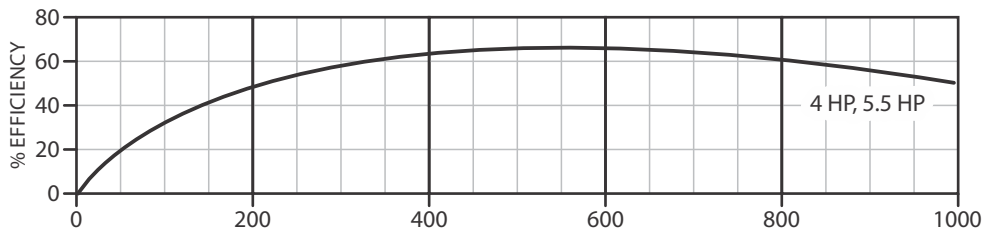
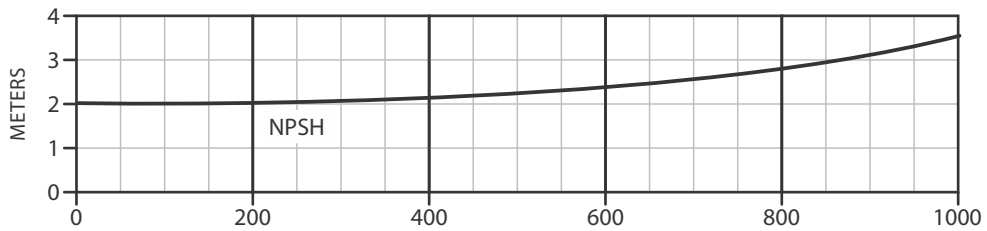
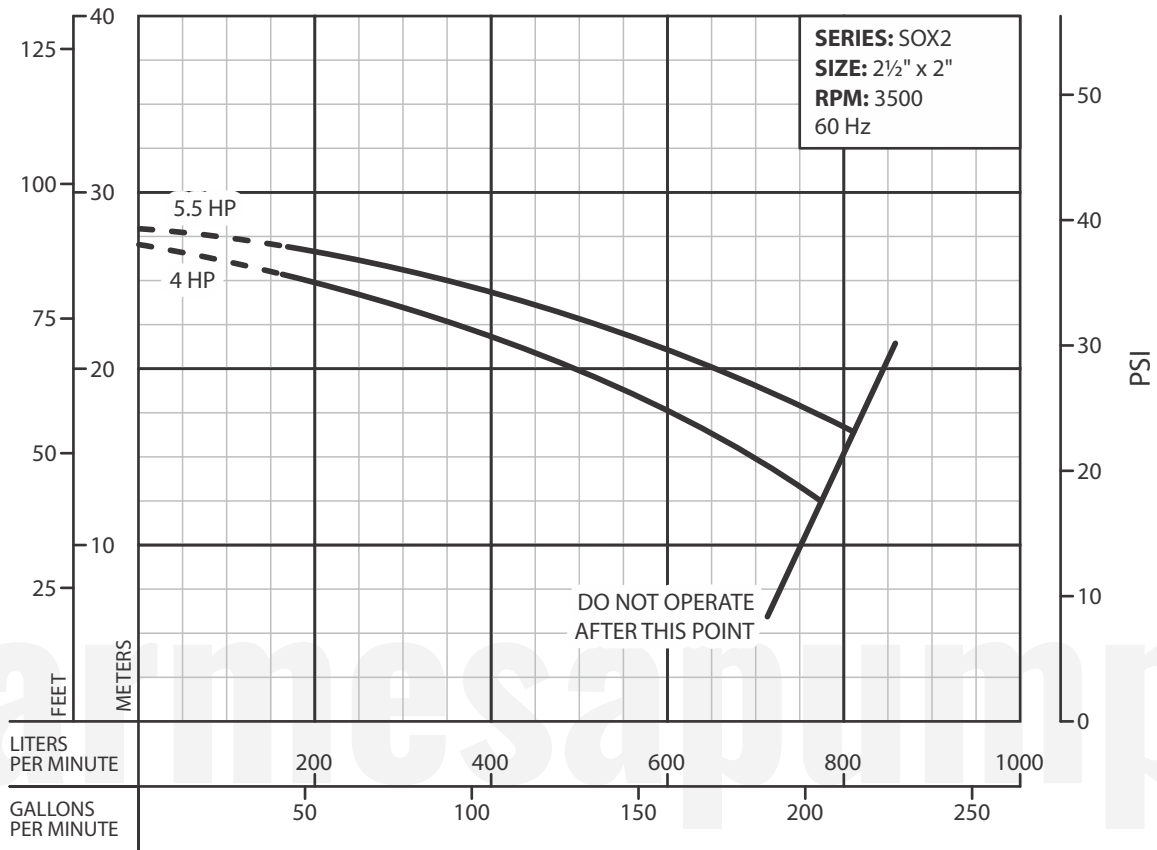
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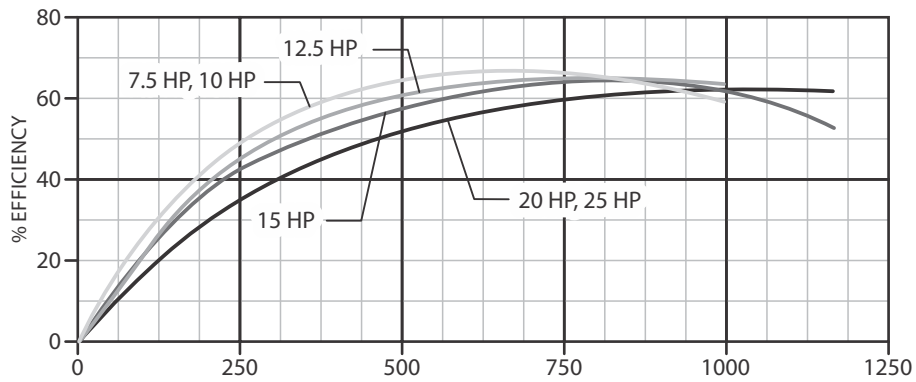
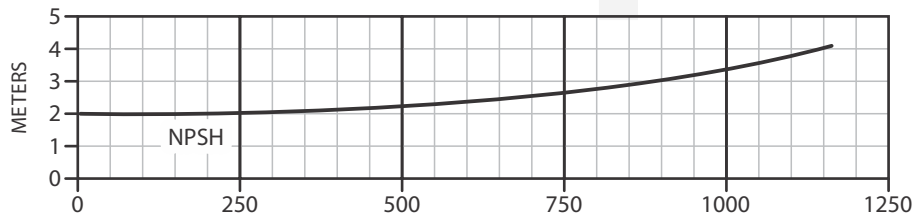
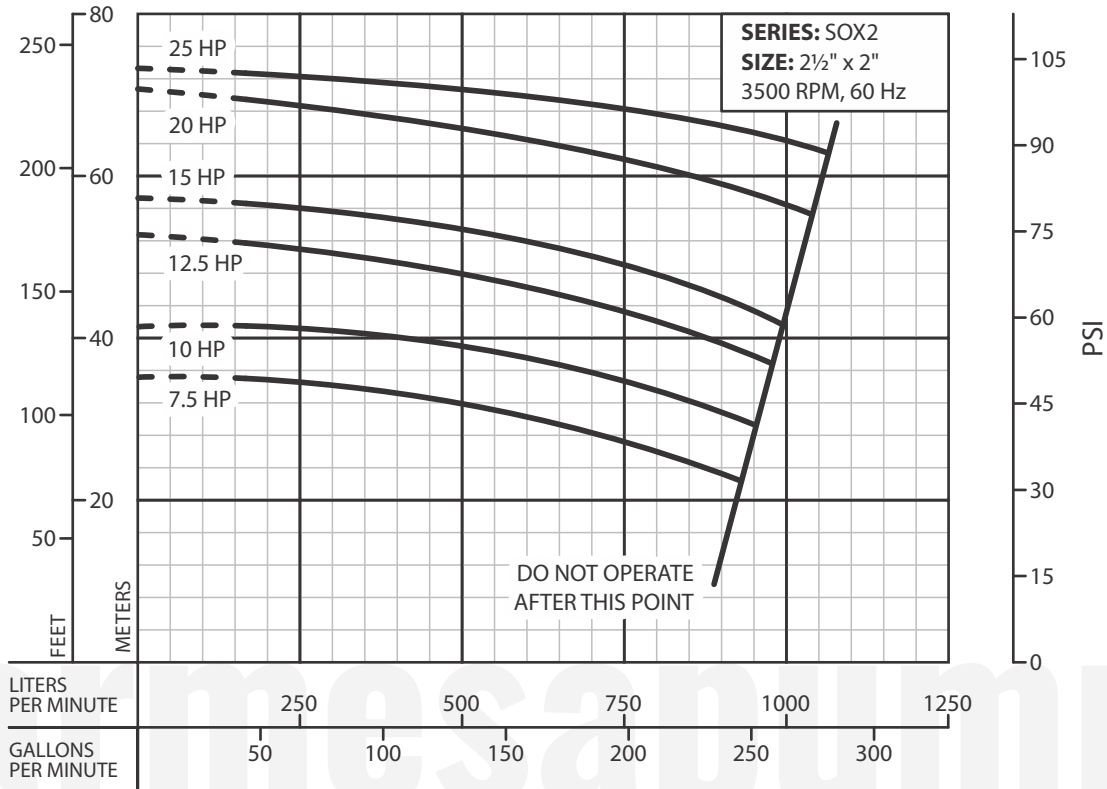
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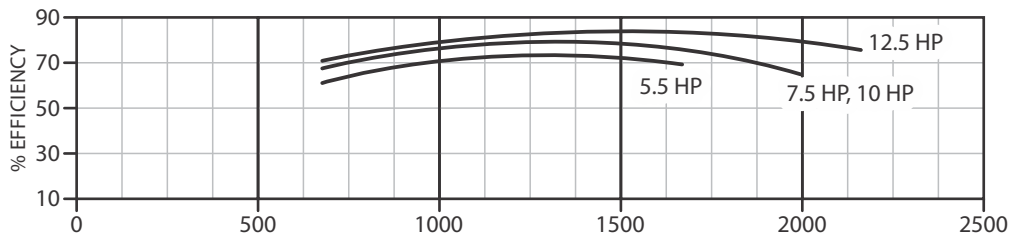
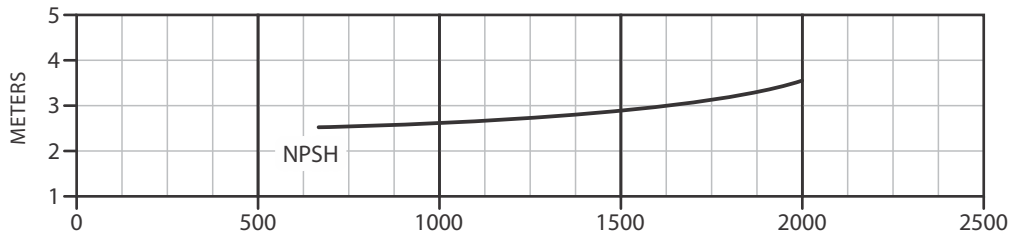
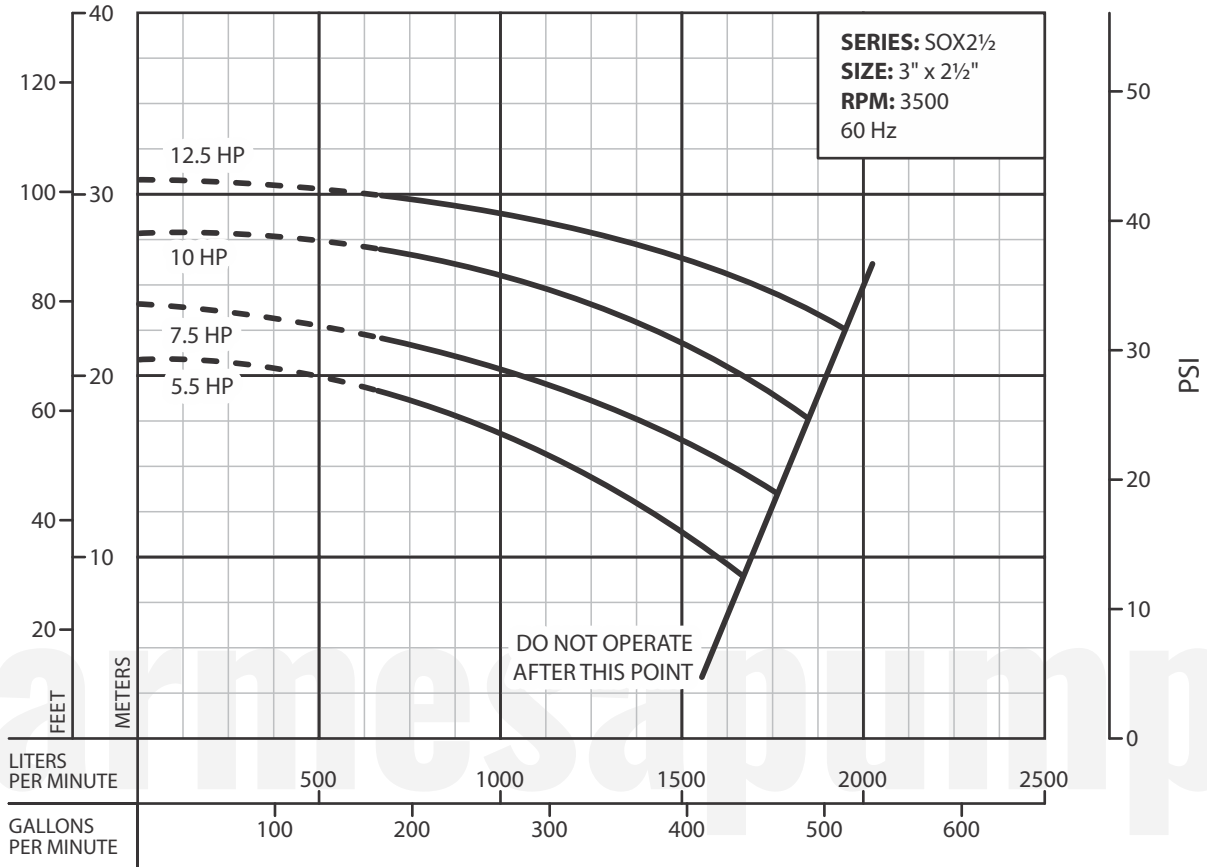
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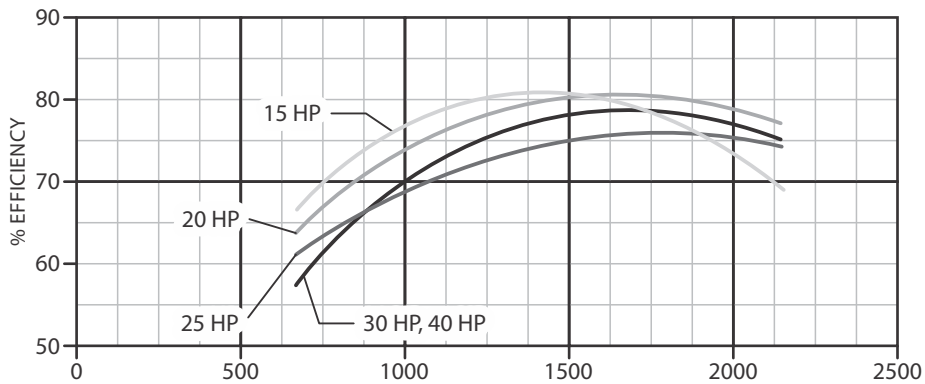
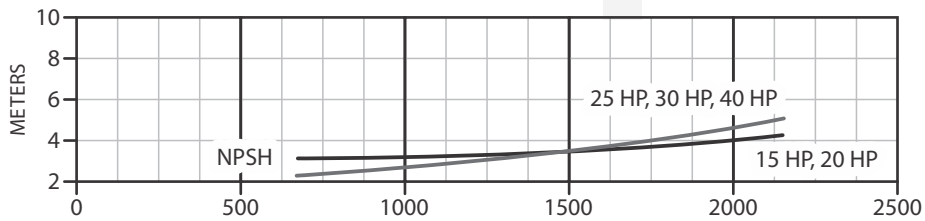
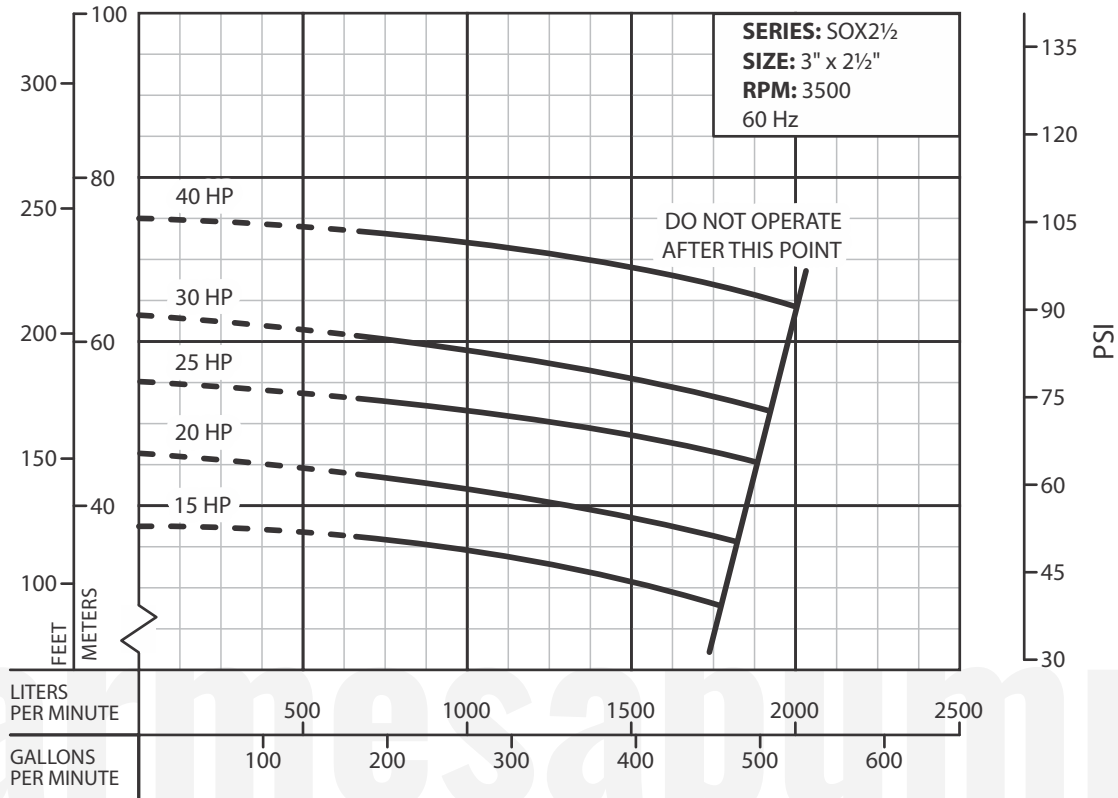
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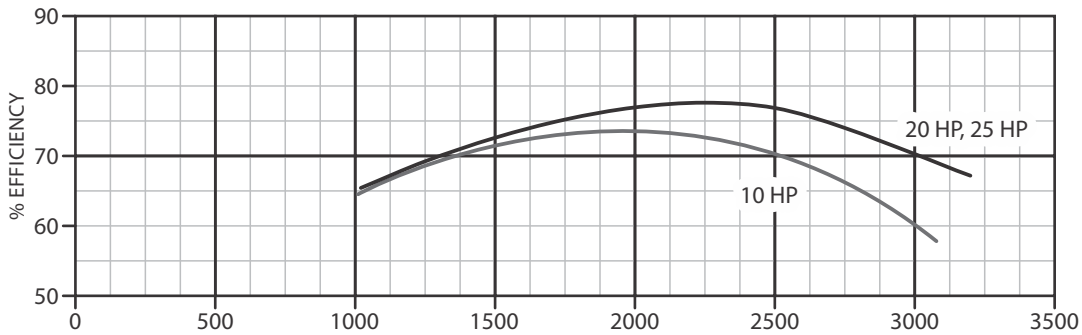
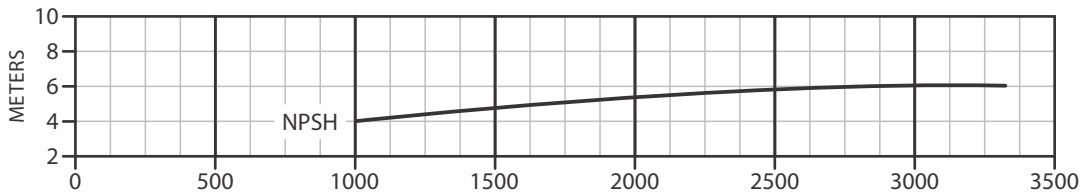
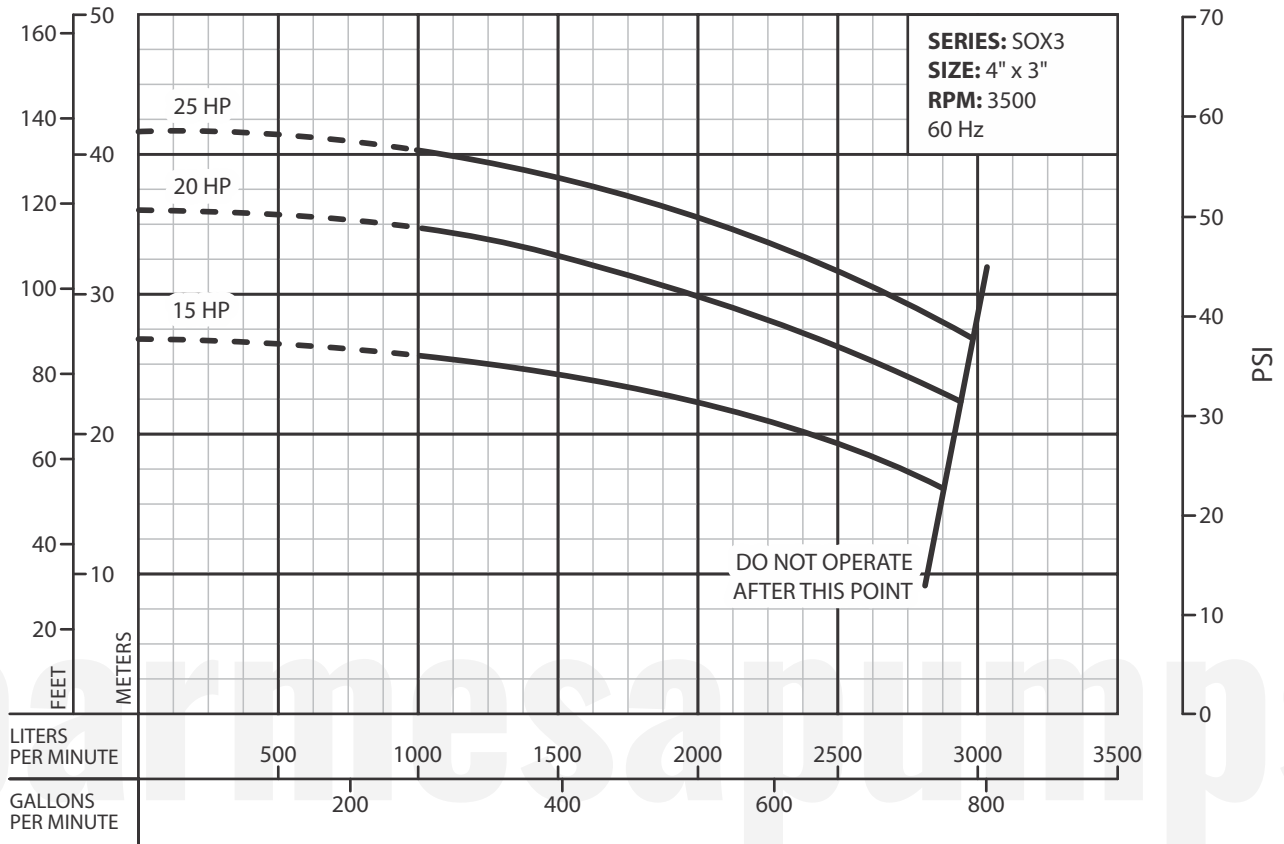
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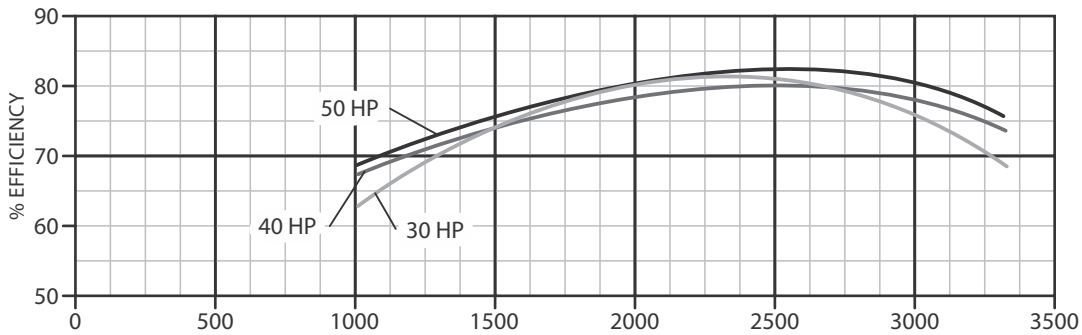
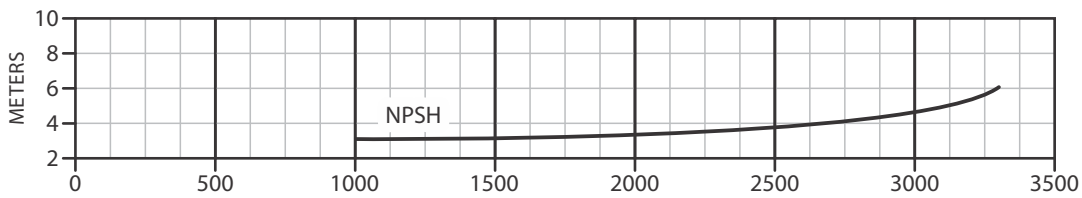
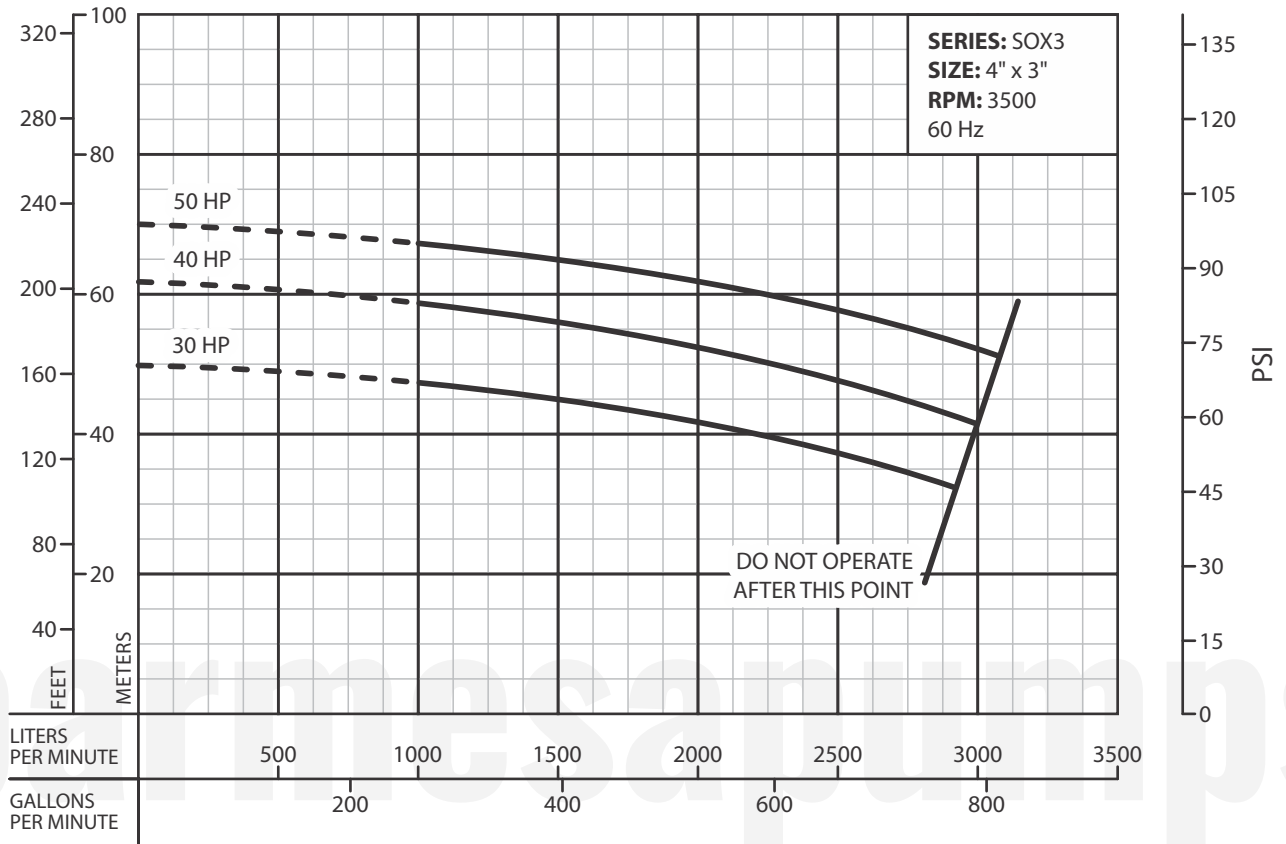
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