

SUBMERSIBLE SOLIDS HANDLING PUMP

Serie: **12SWL-DS**

40 - 75 HP @ 1150 RPM

Spherical solids handling: 5.25"



DISCHARGE

12", 125 lb, horizontal flange, slotted to accommodate 300 mm ISO flange.

LIQUID TEMPERATURE

104 °F (40 °C) continuous

VOLUTE

Cast iron ASTM A-48 class 30

MOTOR HOUSING

Cast iron ASTM A-48 class 30

SEAL PLATE

Cast iron ASTM A-48 class 30

IMPELLER

Design: enclosed dual vane with pump-out vanes on back side. Dynamically balanced.

Material: ductile iron ASTM A-536, 65-45-12.

SHAFT

416 series stainless steel

HARDWARE

300 series stainless steel

O-RINGS

Buna-N

LIFTING BAIL

300 series stainless steel

MAX. SUBMERGENCE

66 ft (20 m)

PAINT

Epoxy

DOUBLE MECHANICAL SEAL

Design: tandem, mechanical, in oil filled reservoir.

Material: inboard rotating faces, carbon; stationary faces, ceramic. Outboard rotating and stationary faces, silicon carbide. Buna-N elastomer and 300 series stainless steel hardware.

CORD ENTRY

40 ft cord, epoxy sealed housing, with secondary pressure grommet for sealing and strain relief.

BEARINGS

Upper: ball, single row and oil lubricated, for radial load.

Lower: ball, double row and oil lubricated, for radial and thrust loads.

MOTOR

NEMA three phase 460 V, premium efficiency, oil-filled, squirrel cage induction, inverted duty rated. Class H insulation. Requires overload protection in control panel.

MOISTURE SENSOR

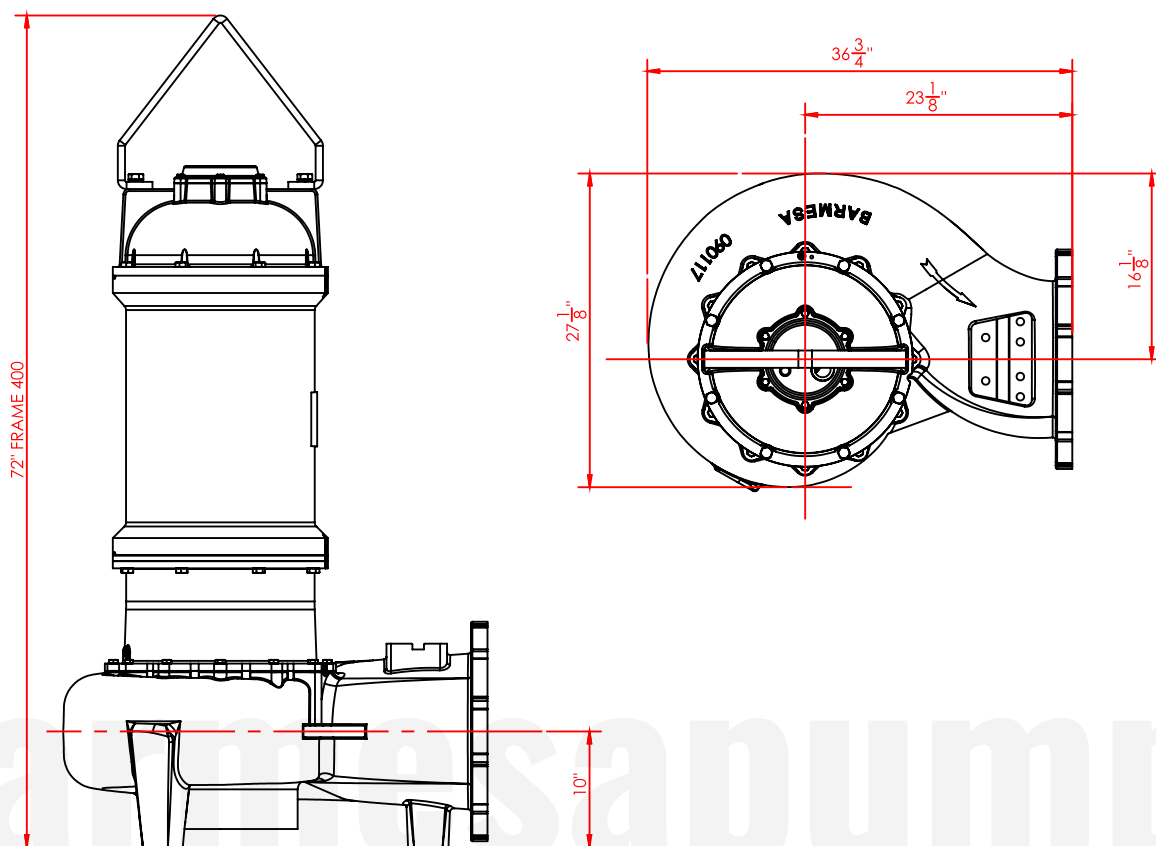
Normally open (N/O), requires relay and panel.

TEMPERATURE SENSOR

Normally closed (N/C), to be wired in series with control circuit.

OPTIONAL EQUIPMENT

Slide rail coupling, leg kit and seal material.

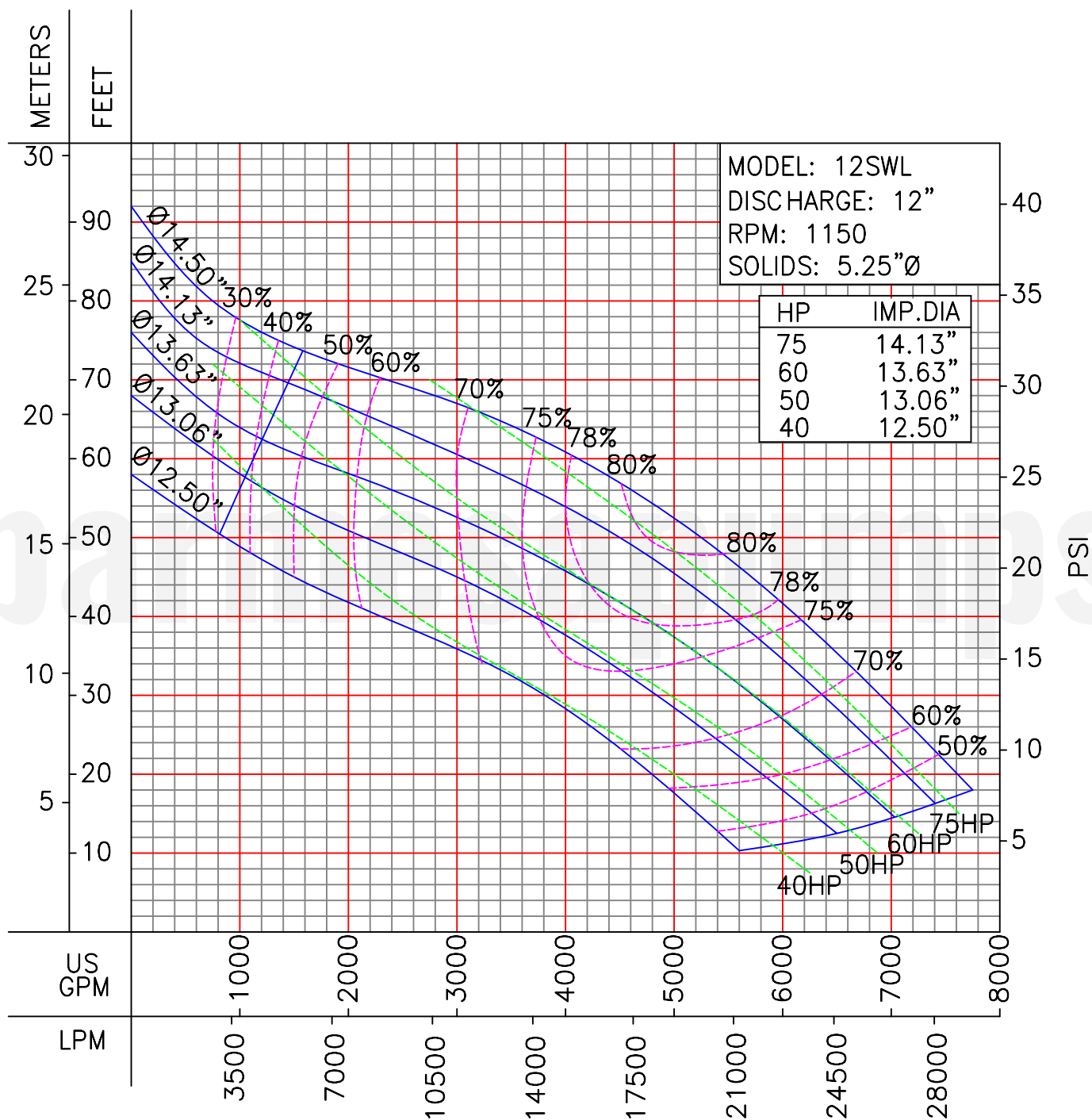


MODEL	PART No.	HP	PH	V	RPM (nom)	NEMA START CODE	FULL LOAD AMPS	SF	AMPS SF	FRAME	POWER CORD SIZE	WEIGHT (lb)
12SWL40046DS	62172315	40	3	460	1150	E	47	1.15	56	400	2/3	1980
12SWL50046DS	62172316	50	3	460	1150	E	60	1.15	62	400	2/3	2150
12SWL60046DS	62172317	60	3	460	1150	F	70	1.15	81	400	2/3	2400
12SWL75046DS	62172318	75	3	460	1150	F	85	1.15	98	400	2/3	2650

Note: Seal moisture and temperature sensor cord in all models size 18/5.

IMPORTANT!

1. Do not use the pump to handle explosive or corrosive liquids.
2. This pump is not appropriate for those applications specified as class 1 division 1 hazardous locations.
3. This pump is not approved for use in swimming pools, recreational facilities, or any application where human contact with the pump is common.
4. Do not operate the pump dry for extended periods; this may damage the motor or the seal.
5. Moisture and temperature sensors must be connected for the warranty to remain valid.



IMPORTANT!

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