

SUBMERSIBLE SOLIDS HANDLING PUMP

Serie: **8SWH-DS**

50 - 150 HP @ 1750 RPM

40 - 60 HP @ 1150 RPM

Spherical solids handling: 3"



DISCHARGE

8", 125 lb, horizontal flange, slotted to accommodate 150 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 208/230 & 460 V, premium efficiency, oil-filled, squirrel cage induction, inverted duty rated. Class H insulation. Requires overload protection in control panel.

MOISTURE SENSOR

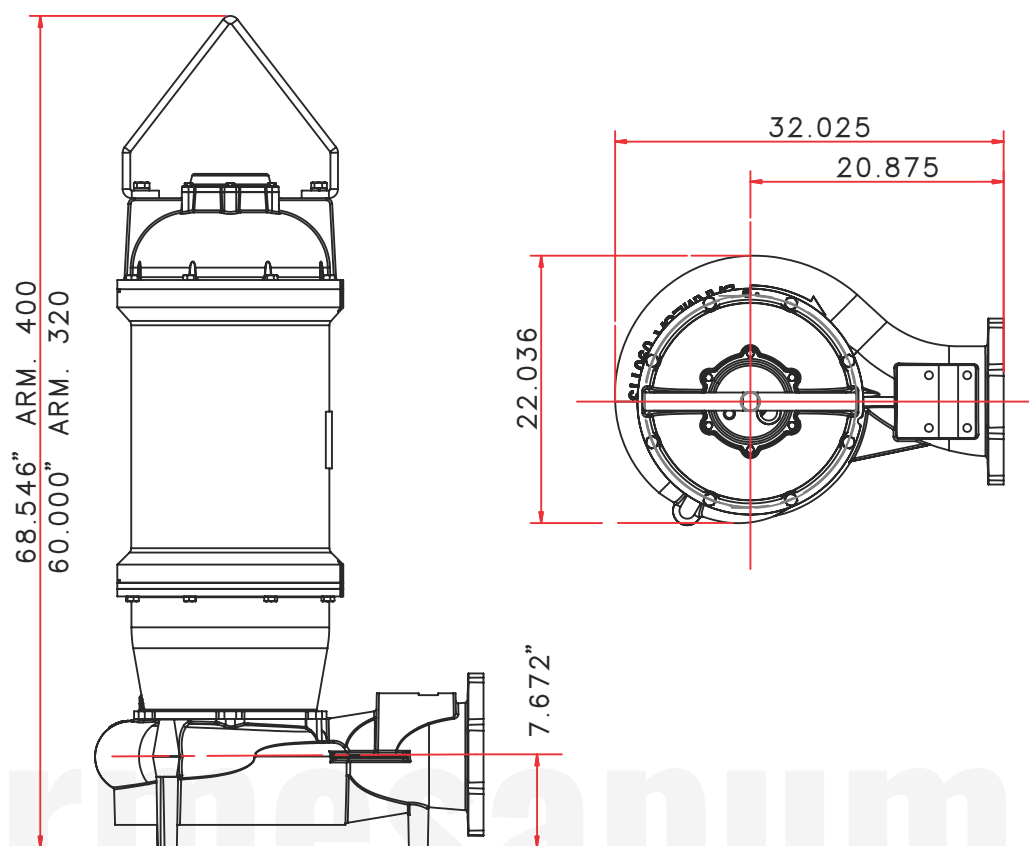
Normally open (N/O), requires relay and panel.

TEMPERATURE SENSOR

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

OPTIONAL EQUIPMENT

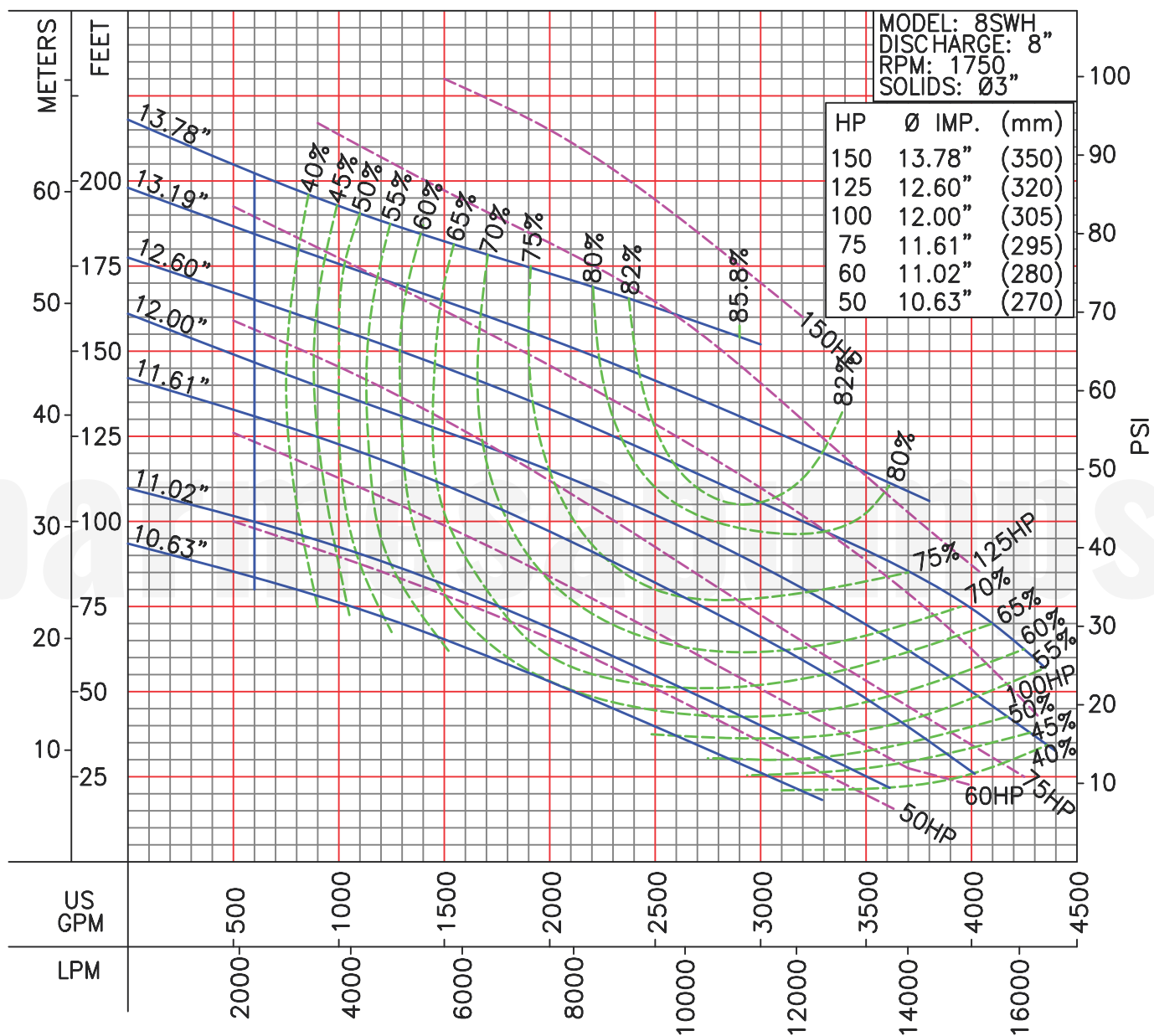
Slide rail coupling, leg kit and seal material.

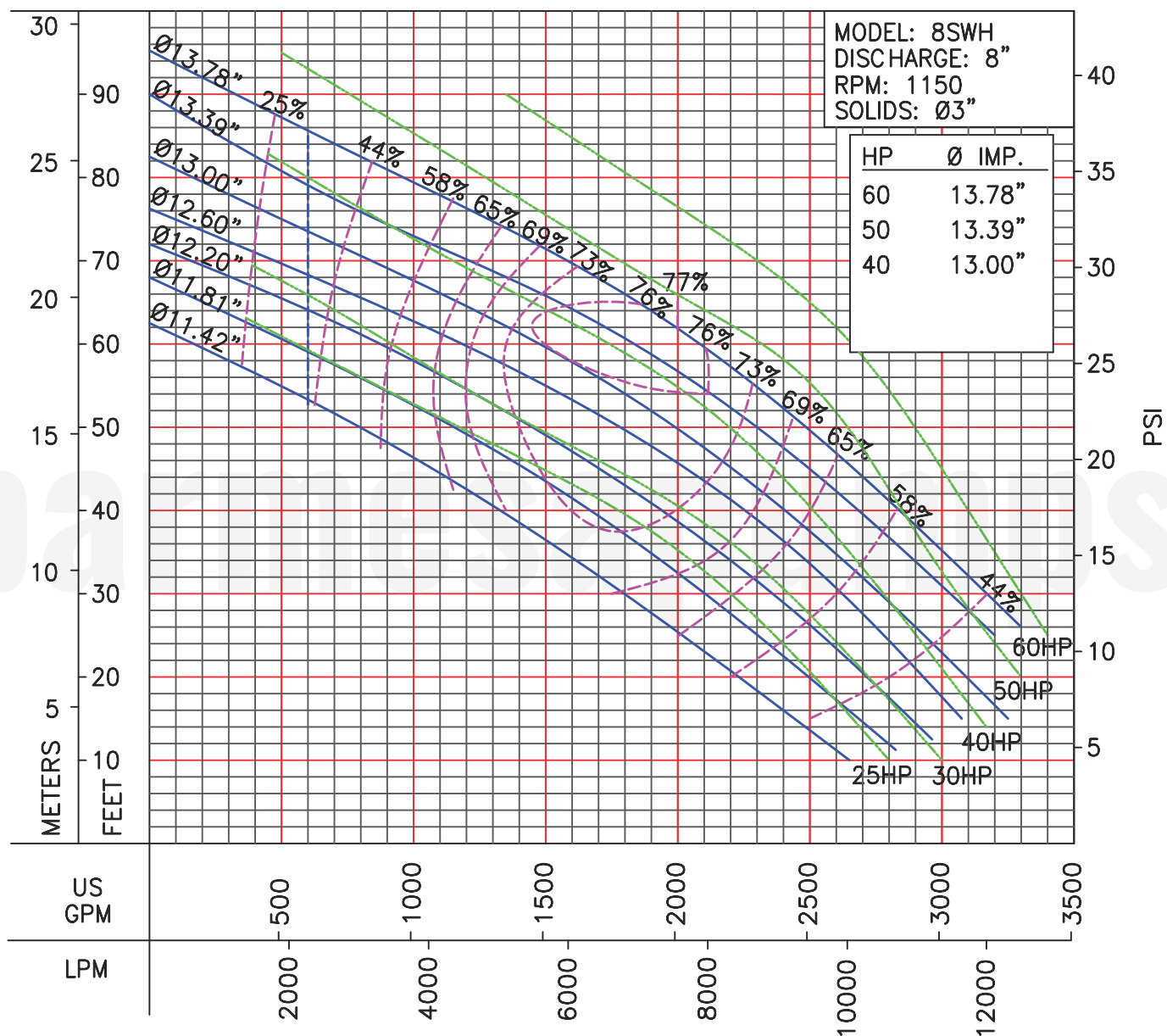


MODEL	PART No.	HP	PH	V	RPM (nom)	NEMA START CODE	FULL LOAD AMPS	SF	AMPS SF	FRAME	POWER CORD SIZE	WEIGHT (lb)
8SWH50044DS	62172235	50	3	460	1750	F	65	1.15	74.8	320	2/3	-
8SWH60044DS	62172236	60	3	460	1750	E	76.6	1.15	88.1	320	2/3	-
8SWH75044DS	62172237	75	3	460	1750	G	105	1.15	120.7	320	2/3	-
8SWH100044DS	62172238	100	3	460	1750	E	132.5	1.15	152.4	400	2/3	-
8SWH125044DS	62172240	125	3	460	1750	F	164.3	1.15	189	400	2/3	-
8SWH150044DS	62172242	150	3	460	1750	E	189	1.15	189	400	2/3	-
8SWH40046DS	62172228	40	3	460	1150	E	107	1.15	107	320	2/3	-
8SWH50046DS	62172229	50	3	460	1150	E	123	1.15	123	320	2/3	-
8SWH60046DS	62172230	60	3	460	1150	E	123	1.15	123	400	2/3	-

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.





LIQUID: WATER
SPECIFIC GRAVITY: 1.00

TEMPERATURE: 70° F (21° C)
MAXIMUM DIA. SOLIDS: 3.00"Ø