



Ph: 866.710.2837 | www.AterCompany.com

SUBMERSIBLE SOLIDS HANDLING PUMP

Series: AP4HSH.DSSF.SM

20-50 HP

1750 RPM

Discharge: 4"

Spherical Solids Handling: 3"

DISCHARGE

4", 125 lb, horizontal flange, slotted to accommodate 100 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 mono 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

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.

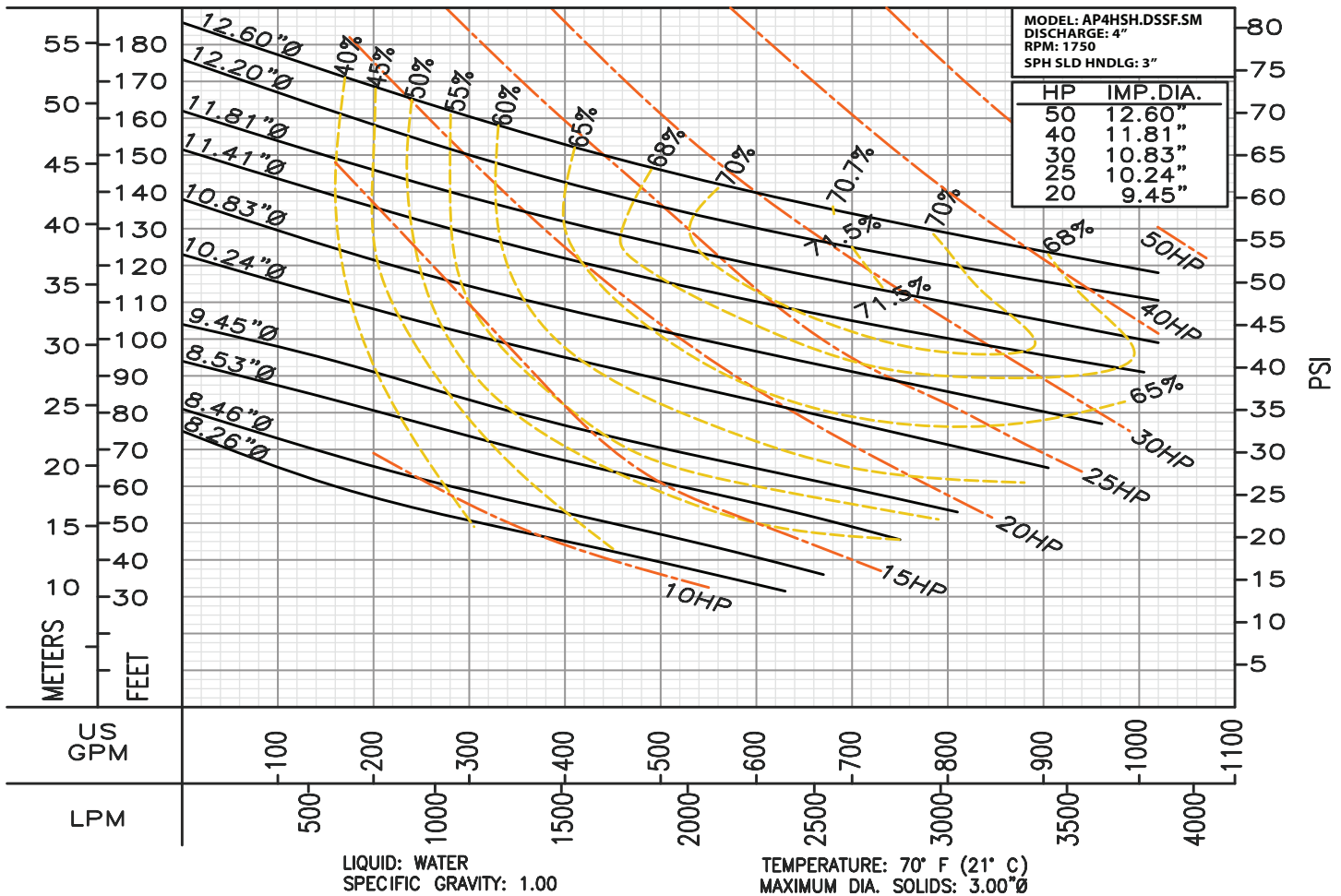
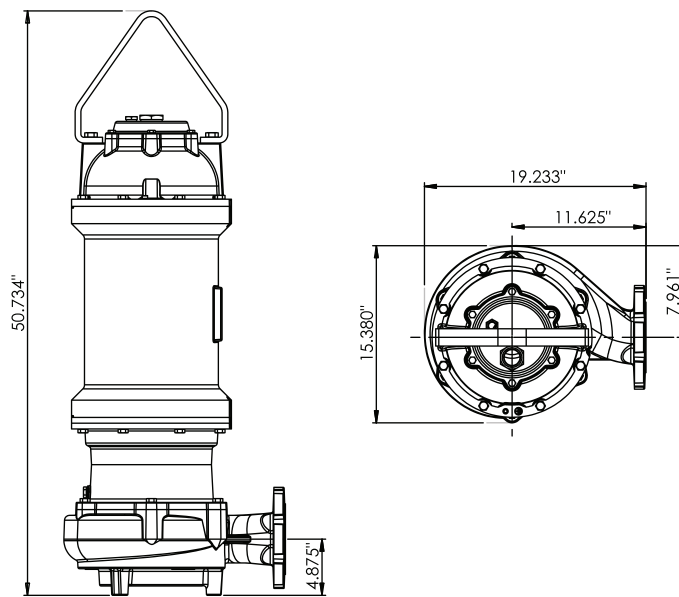
MOISTURE SENSOR

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

TEMPERATURE SENSOR

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





MODEL	HP	PH	V	RPM	NEMA START CODE	FULL LOAD AMPS	SF	AMPS SF	FRAME	POWER CORD SIZE	WEIGHT
AP4HSH20DSSF23SM17	20	3	208/230	1750	J	48/52	1.15	55/55	250	6	615
AP4HSH20DSSF43SM17	20	3	460	1750	J	24.1	1.15	27.3	250	10	615
AP4HSH25DSSF23SM17	25	3	208/230	1750	G	59/62	1.15	68/65	250	6	633
AP4HSH25DSSF43SM17	25	3	460	1750	G	29.5	1.15	34	250	6	633
AP4HSH30DSSF23SM17	30	3	208/230	1750	E	93.4/82.3	1.15	107/94	250	2/0	653
AP4HSH30DSSF43SM17	30	3	460	1750	F	46.7	1.15	53	250	6	653
AP4HSH40DSSF43SM17	40	3	460	1750	E	48	1.15	55	250	6	683
AP4HSH50DSSF43SM17	50	3	460	1750	F	65	1.15	74.8	320	6	760

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. 3. Pump may be operated "dry" for extended periods without damage to motor and/or seals.