



Ph: 866.710.2837 | www.AterCompany.com

SUBMERSIBLE SOLIDS HANDLING PUMP

Series: AP6HSH.DSSF.SH

25-125 HP @ 1750 RPM

Discharge: 6"

Spherical Solids Handling: 3"

DISCHARGE

6", 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

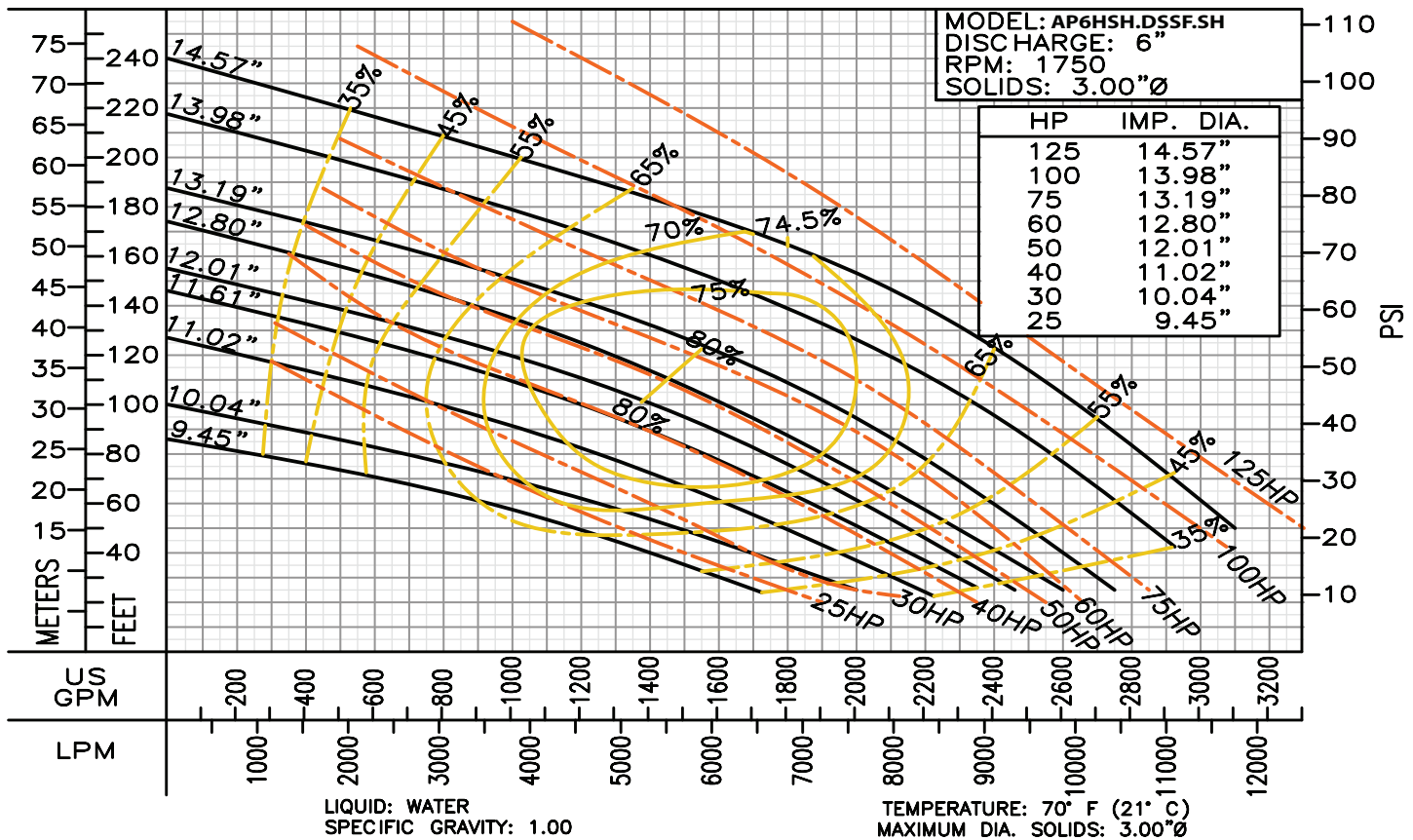
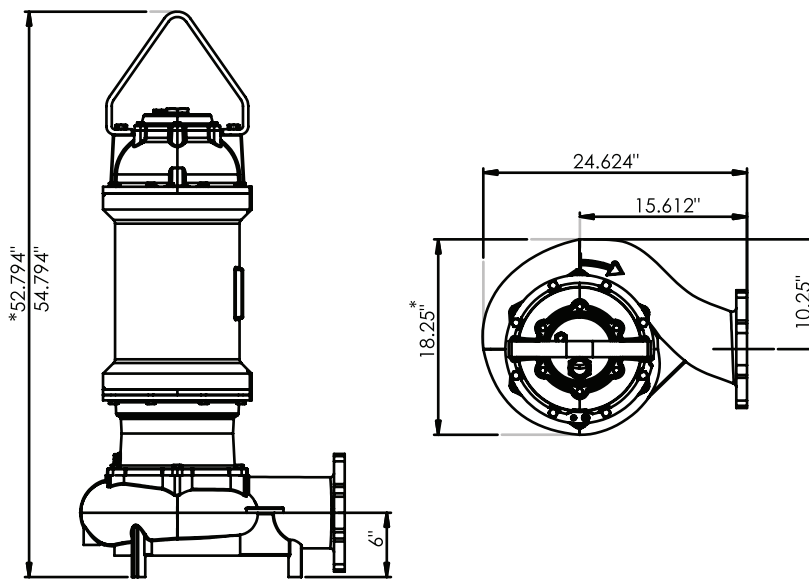
NEMA three phase 208/230 & 460 V, premium efficiency, oil-filled, squirrel cage induction, inverted duty rated. Class H insulation. Requires overload protection in control panel.

MOISTURE SENSOR

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

TEMPERATURE SENSOR

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



Model	HP	PH	Volts	RPM (nom)	NEMA Start Code	Full Load Amps	SF	Amps @ SF	Frame	Power Cord Size	Weight (lb)
AP6HSH25DSSF23SH17	25	3	208/230	1750	G	65/59	1.15	74.8/67.8	250	2/3	985
AP6HSH25DSSF43SH17	25	3	460	1750	G	29.5	1.15	34	250	2/3	985
AP6HSH30DSSF23SH17	30	3	208/230	1750	E	93.4/82.3	1.15	107/94	250	2/3	1016
AP6HSH30DSSF43SH17	30	3	460	1750	F	46.7	1.15	53	250	2/3	1016
AP6HSH40DSSF43SH17	40	3	460	1750	E	48	1.15	55.2	250	2/3	1046
AP6HSH50DSSF43SH17	50	3	460	1750	F	65	1.15	74.8	320	2/3	1123
AP6HSH60DSSF43SH17	60	3	460	1750	E	76.6	1.15	88.1	320	2/3	1156
AP6HSH75DSSF43SH17	75	3	460	1750	G	105	1.15	120.7	320	2/3	1191
AP6HSH100DSSF43SH17	100	3	460	1750	E	132.5	1.15	152.4	400	2/3	1226
AP6HSH125DSSF43SH17	125	3	460	1750	F	164.3	1.15	189	400	2/3	1263

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.