



Ph: 866.710.2837 | www.AterCompany.com

SUBMERSIBLE SOLIDS HANDLING PUMP

Series: AP4HSH.DSSF.LS

4.5 - 15 HP

1750 RPM

Discharge: 4"

Spherical Solids Handling: 3"

DISCHARGE

4", 125lb, flange horizontal.

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: 2 vane, open, with vanes on back side.

Material: cast iron ASTM A-48 class 30

SHAFT

416 series stainless steel

SQUARE RINGS

Buna-N

PAINT

Air dry enamel, water based.

SEAL

Design: double, mechanical, oil filled chamber.

Material: silicon carbide outboard seal, carbon ceramic inboard seal, Buna-N elastomer and stainless steel hardware.

DIAPHRAGM

Buna-N



HARDWARE

300 series stainless steel

CORD ENTRY

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

BEARINGS

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

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

MOTOR

Single phase: NEMA L, 230 volts, 60 Hz, 1750 RPM, oil filled. Capacitor start / Capacitor run, required in starter/panel.

Three phase: NEMA B, 230 & 460 volts, 60 Hz, 1750 RPM, oil filled.

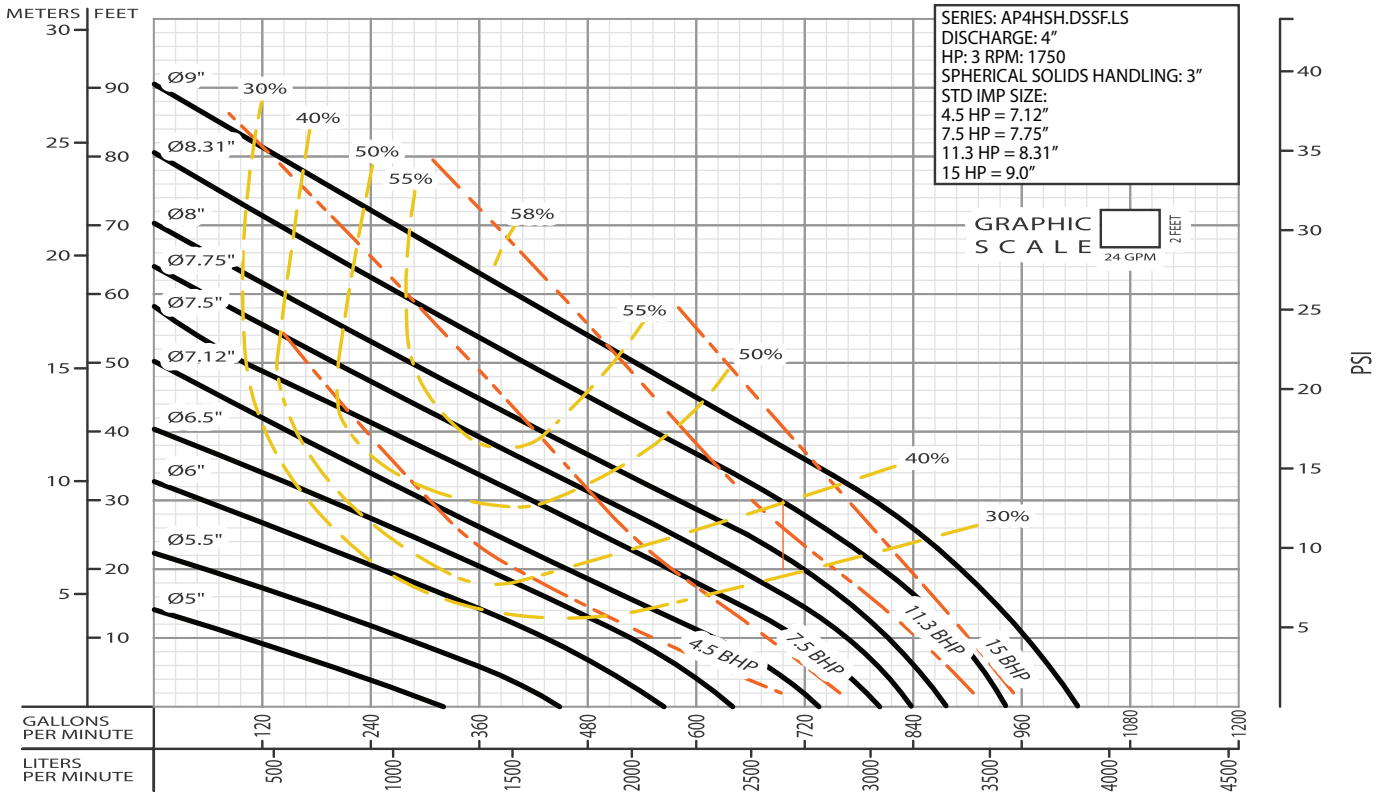
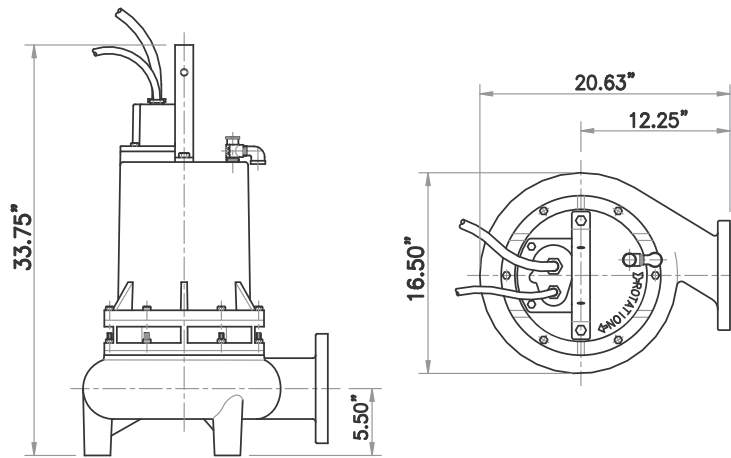
Requires overload protection to be included in control panel. Class F insulation.

MOISTURE SENSOR

Normally open (N/O) included, requires relay in control panel.

TEMPERATURE SENSOR

Normally closed (N/C) included, requires relay in control panel.



IMPORTANT!

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

MODEL	HP	V	P	RPM	MAX AMPS	LOCKED ROTOR AMPS	CORD SIZE	CORD TYPE	CORD LENGTH	WEIGHT (LBS)
AP4HSH4.5DSSF21LS17 ¹	4.5	230	1	1750	26	59	10/4	SO	40'	287
AP4HSH4.5DSSF23LS17	4.5	230	3	1750	17.6	56	10/4	SO	40'	280
AP4HSH4.5DSSF43LS17	4.5	460	3	1750	8.8	28	10/4	SO	40'	280
AP4HSH7.5DSSF21LS17 ¹	7.5	230	1	1750	39	96	10/4	SO	40'	315
AP4HSH7.5DSSF23LS17	7.5	230	3	1750	23.6	80	10/4	SO	40'	309
AP4HSH7.5DSSF43LS17	7.5	460	3	1750	11.8	40	10/4	SO	40'	309
AP4HSH11.3DSSF23LS17	11.3	230	3	1750	28.4	126	10/4	SO	40'	340
AP4HSH11.3DSSF43LS17	11.3	460	3	1750	14.2	63	10/4	SO	40'	340
AP4HSH15DSSF23LS17	15	230	3	1750	40	160	10/4	SO	40'	399
AP4HSH15DSSF43LS17	15	460	3	1750	20	80	10/4	SO	40'	399

¹ Factory capacitor kit included.

• The moisture cord and/or temperature cord is size 18/5, type SO, Ø0.485", for all models.

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.