

## MOTOR SPECIFICATIONS

<b>Motor Design</b>	NEMA design B, squirrel cage induction, air filled
<b>Motor Type</b>	Enclosed submersible, IP 68
<b>Maximum submergence</b>	65 feet (20m)
<b>Insulation Class</b>	Class F, rated at 155° C
<b>Motor Protection</b>	Bi-metallic Thermal Switch
<b>Bi-Metallic Temp Trip</b>	130° C ± 5° C
<b>Service Factor</b>	1.15
<b>Max. Liquid Temperature</b>	104°F (40°C)
<b>Voltage Tolerance</b>	± 10% from nominal



## MOTOR DATA, 50Hz

Model	Phase	Output Power BHP	Volts	Full Load Amps	Locked Rotor Amps	Power Factor 100% Load	Motor Efficiency 100% Load	Pole/Speed (rpm)
S750	1	5.3	230	18.4	126.8	.76	.80	2/2900
	3	5.3	380	8.9	61.3	.76	.80	2/2900

## MATERIALS OF CONSTRUCTION

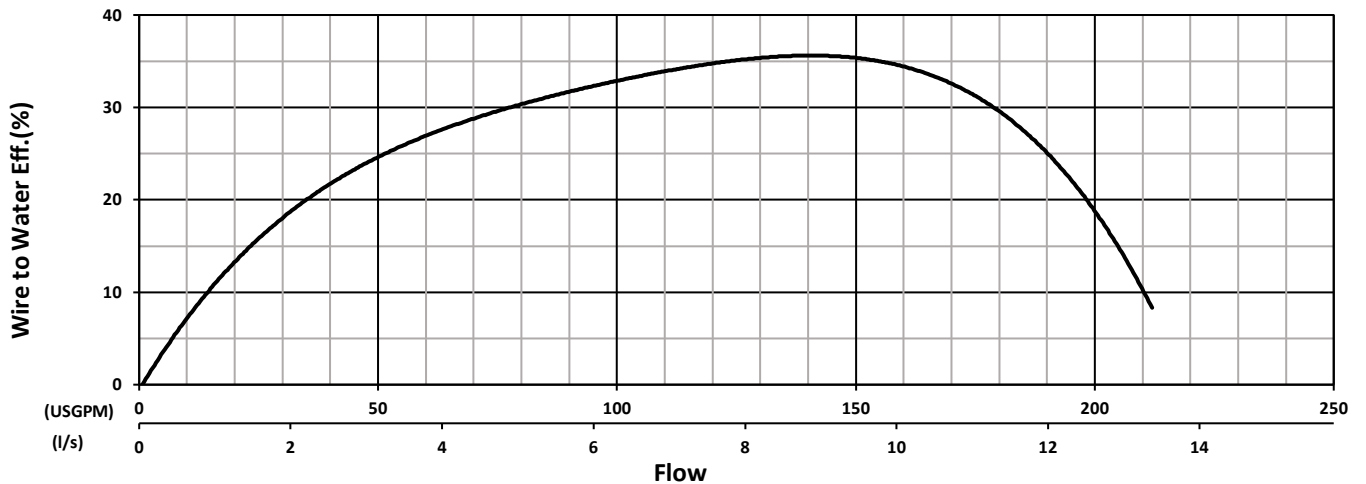
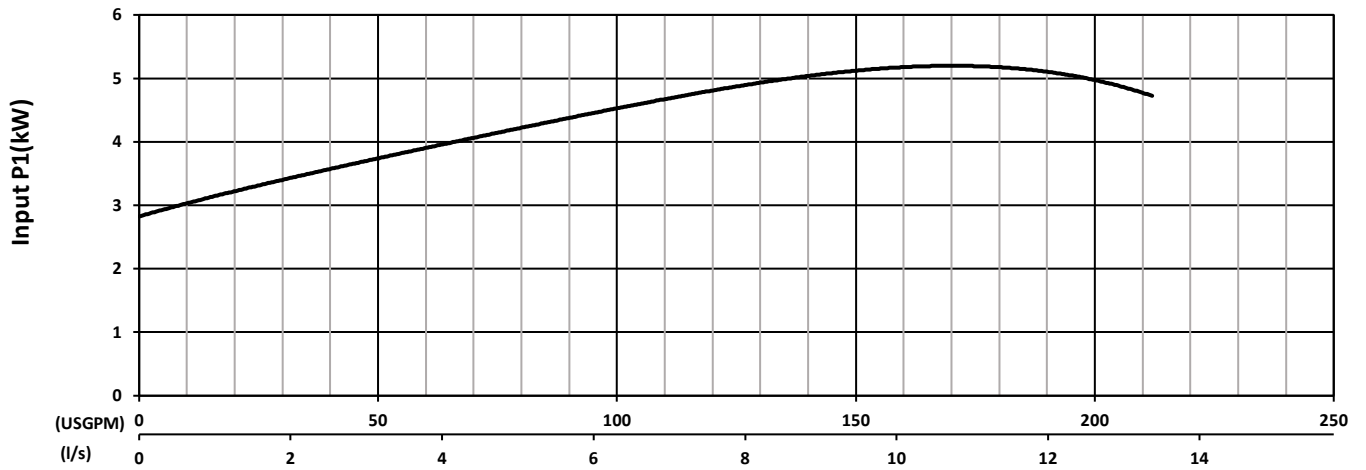
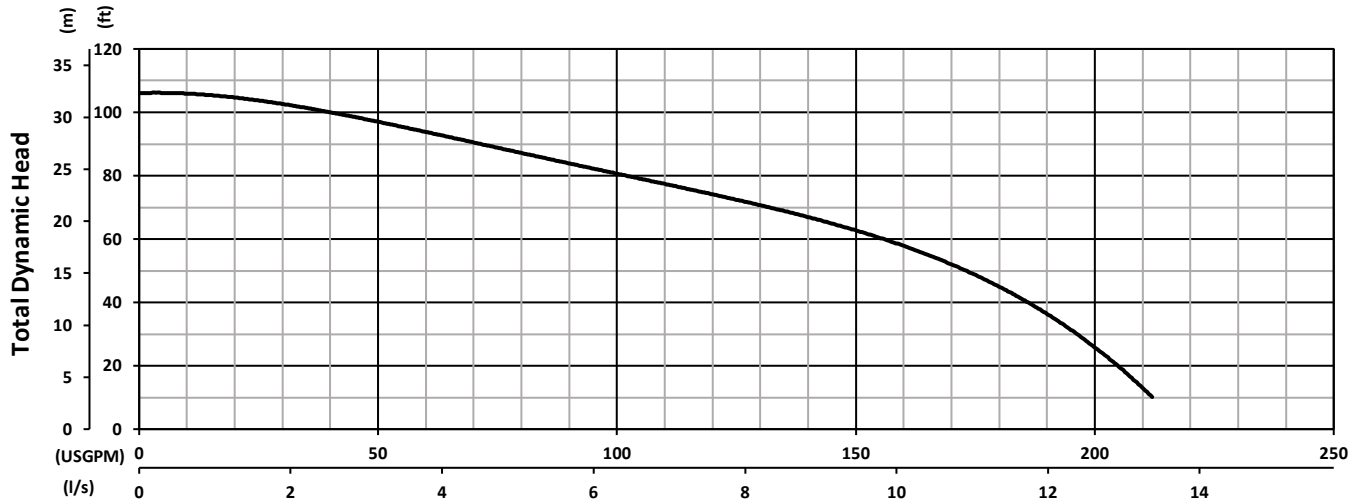
<b>Upper Motor Lid</b>	356-T6 Aluminum
<b>Motor Housing</b>	356-T6 Aluminum
<b>Oil Chamber</b>	AISI 304 Stainless Steel
<b>Strainer</b>	AISI 304 Stainless Steel
<b>Volute</b>	356-T6 Aluminum - Rubber Lined
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR
<b>Motor Shaft</b>	AISI 416 Stainless Steel
<b>Upper Bearing</b>	Deep groove ball bearing, double sealed
<b>Lower Bearing</b>	Double row angular contact ball bearing, double shielded
<b>Shaft Seal</b>	SiC/SiC
<b>Impeller</b>	AISI 316 Stainless Steel

## DIMENSIONS, WEIGHT, AND MISC.

<b>Pump weight (without cable)</b>	39kg
<b>Discharge size, HH</b>	3-inch NPT male vertical
<b>Discharge size, HV</b>	4-inch NPT male vertical
<b>Strainer Opening</b>	9mmx22mm

## CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
S750	1Ø-230V	SOOW 10/4	50' Standard	CPE, Heavy Duty
	3Ø-380V	SOOW 12/4	50' Standard	CPE, Heavy Duty



Test Standard : HI 11.6 Gr 3B  
Tested with water at 20°C

**Pump Performance Test - US Units**

Frequency 60 Hz  
Pump Speed 3450 RPM  
Impeller Ø160mm

Specifications subject to change without notice



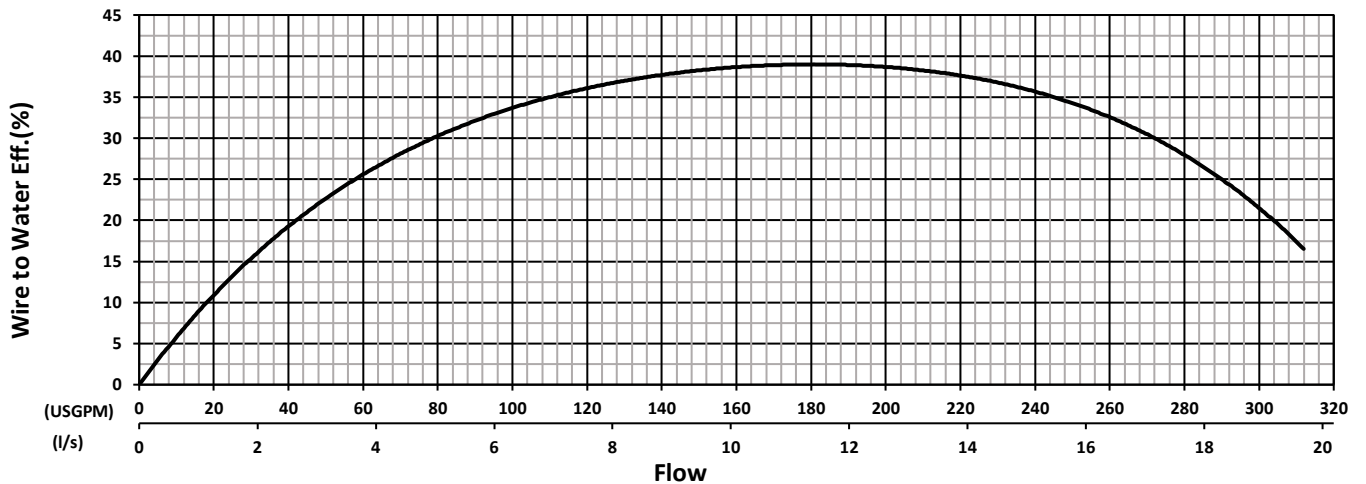
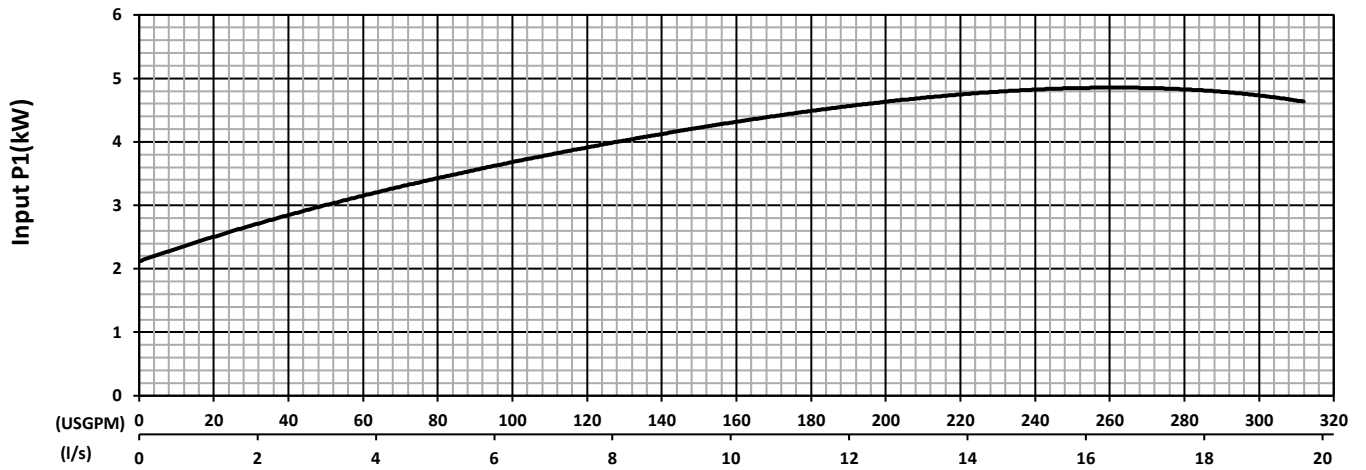
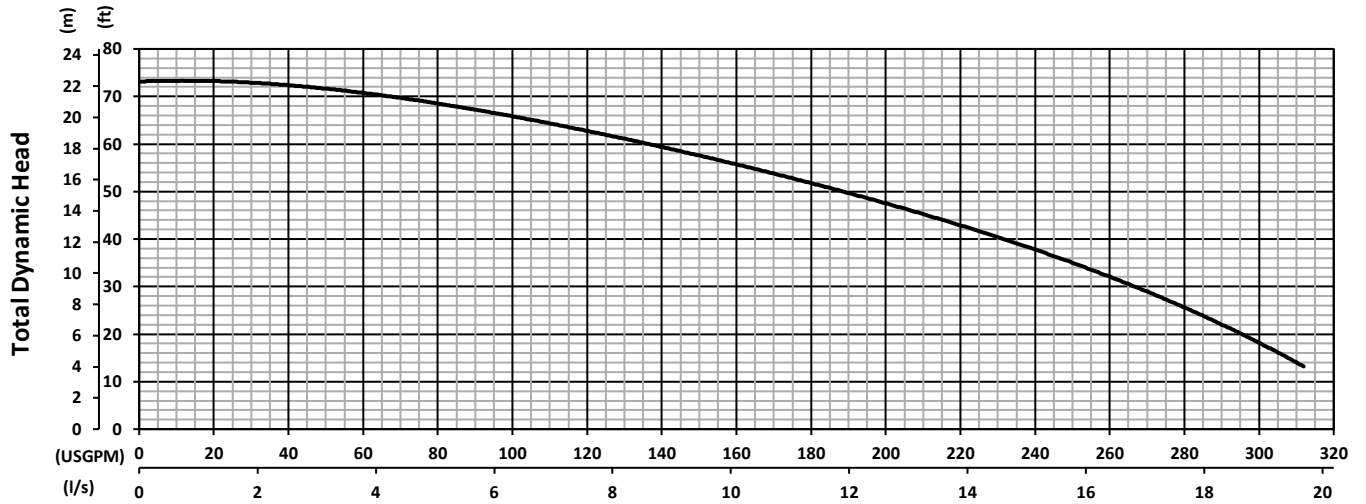
# PERFORMANCE CURVE

# Dewatering Pumps S750HV 1Ø

Dwg: DS-A18-117

Rev: 1

Date: 10/31/2017



Test Standard : HI 11.6 Gr 3B  
 Tested with water at 20°C

**Pump Performance Test - Dual Units**

Frequency 60 Hz  
 Pump Speed 3450 RPM  
 Impeller Ø125mm

Specifications subject to change without notice