

### 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, 60Hz

Model	Phase	Output Power BHP	Volts	Full Load Amps	Locked Rotor Amps	NEMA Code Letter	Power Factor 100% Load	Motor Efficiency 100% Load	Pole/Speed (rpm)
S750	1	6.4	208	24.3	166.8	F	.76	.80	2/3450
			230	22	151	F	.76	.80	2/3450
	3	6.4	208	19.7	135.7	J	.76	.80	2/3450
			230	17.8	122.6	J	.76	.80	2/3450
			460	8.9	61.3	J	.76	.80	2/3450
			575	8.6	49	J	.76	.80	2/3450

### MATERIALS OF CONSTRUCTION

Material	Standard	High Chrome
Upper Motor Lid	356-T6 Aluminum	356-T6 Aluminum
Motor Housing	356-T6 Aluminum	356-T6 Aluminum
Lower Seal Housing	AISI 316 Stainless Steel	ASTM A532 Class III Type Chromium
Volute	356-T6 Aluminum - Rubber Lined	356-T6 Aluminum - Polyurethane Lined
External Hardware	AISI 304 Stainless Steel	AISI 304 Stainless Steel
O-Rings	NBR	NBR
Motor Shaft	AISI 416 Stainless Steel	AISI 416 Stainless Steel
Upper Bearing	Deep groove ball bearing, double shielded	Deep groove ball bearing, double shielded
Lower Bearing	Double row angular contact ball bearing, double shielded	Double row angular contact ball bearing, double shielded
Shaft Seal	SiC/SiC	SiC/SiC
Impeller	AISI 316 Stainless Steel	ASTM A532 Class III Type Chromium

### DIMENSIONS, WEIGHT, AND MISC.

Pump weight (without cable)	87 lbs (39.5kg)
Discharge size, HH	3 inch NPT male vertical
Discharge size, HV	4 inch NPT male vertical
Strainer Opening	9mmX22mm

### CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
S750	1Ø-208V	8/3 G-GC	50' Standard	CPE, Heavy Duty
	1Ø-230V	10/4 SOOW	50' Standard	CPE, Heavy Duty
	3Ø-208V	10/4 SOOW	50' Standard	CPE, Heavy Duty
	3Ø-230V	12/4 SOOW	50' Standard	CPE, Heavy Duty
	3Ø-460V	12/4 SOOW	50' Standard	CPE, Heavy Duty
	3Ø-575V	12/4 SOOW	50' Standard	CPE, Heavy Duty



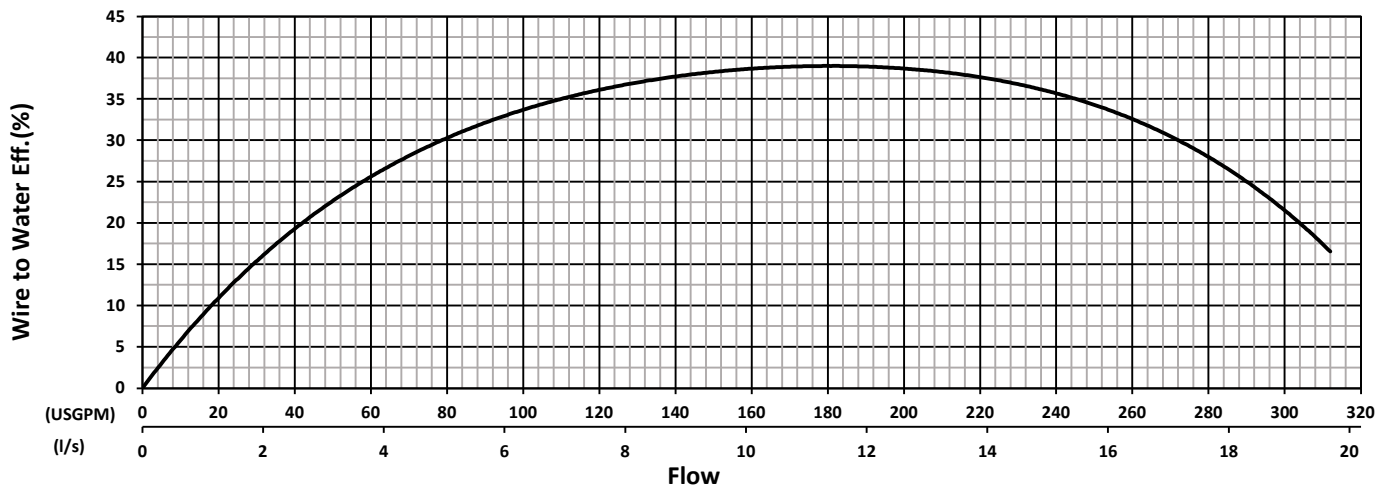
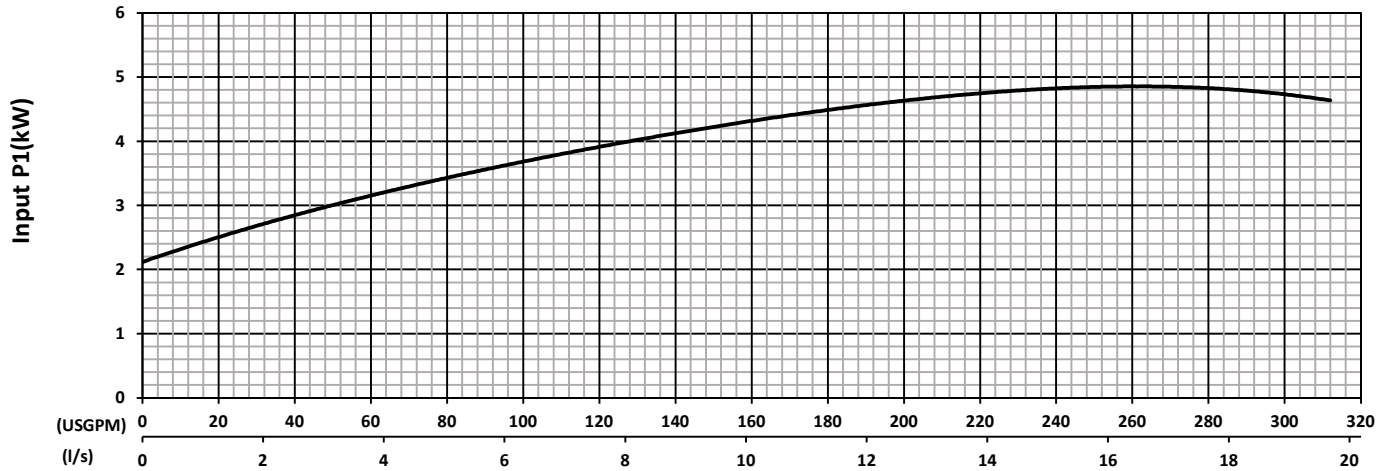
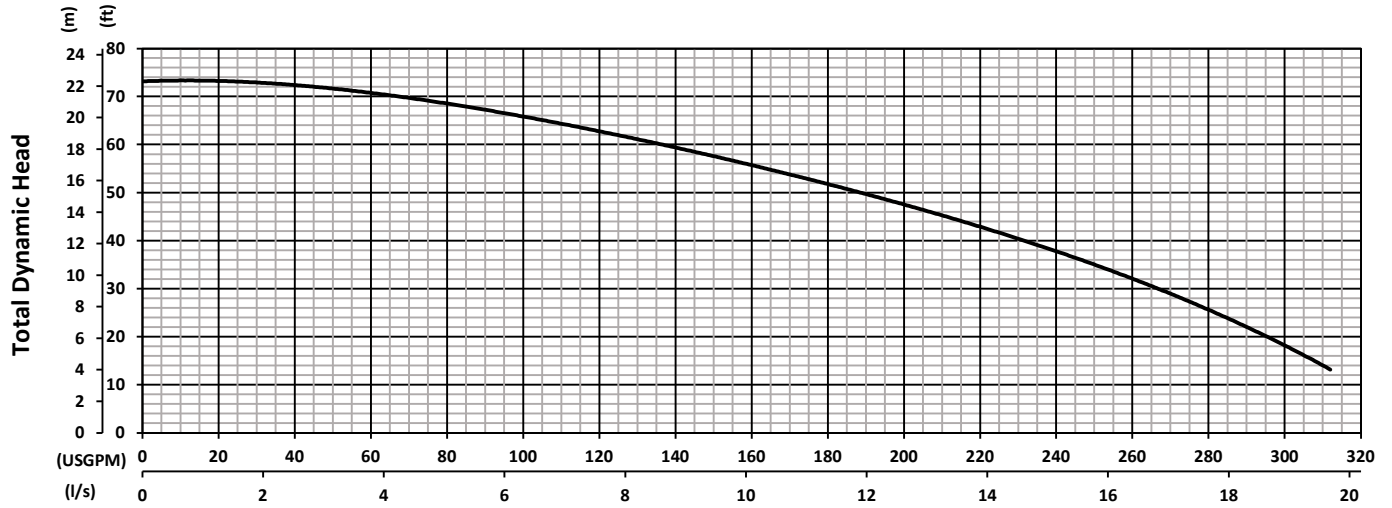
# PERFORMANCE CURVE

# 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



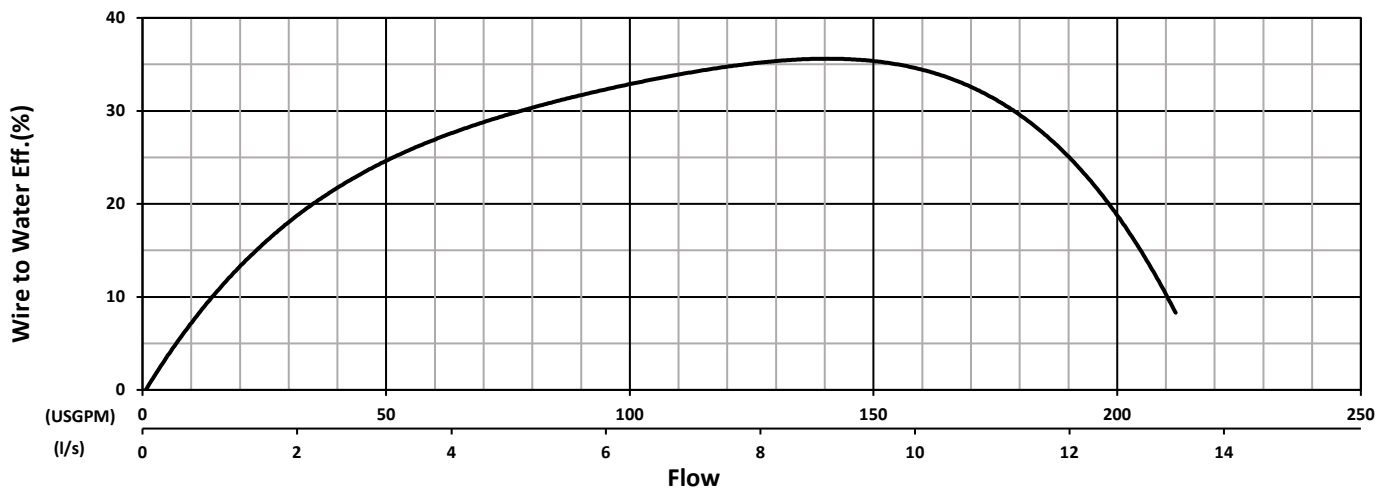
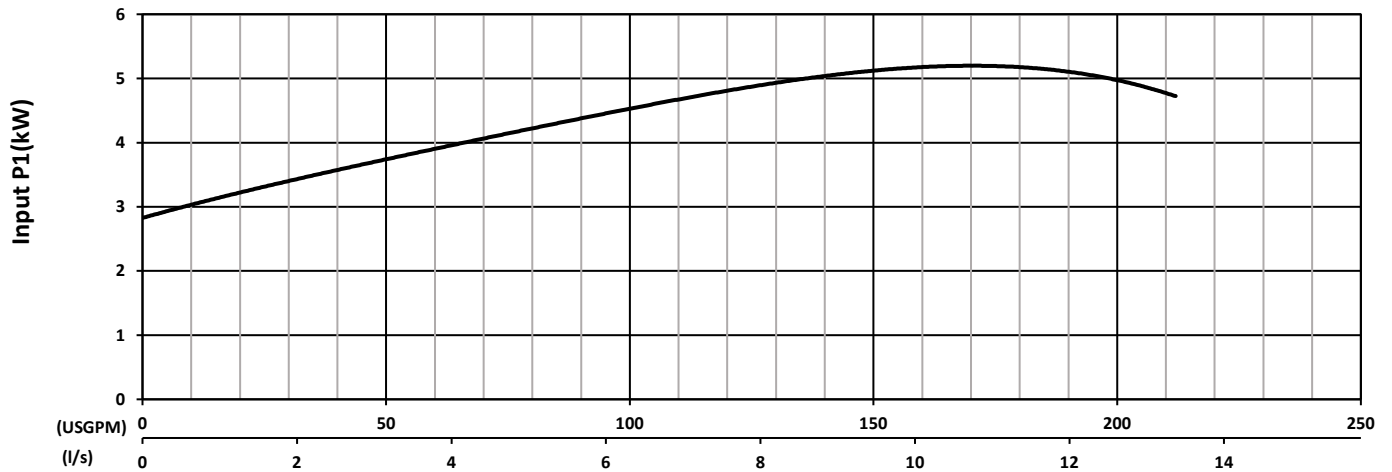
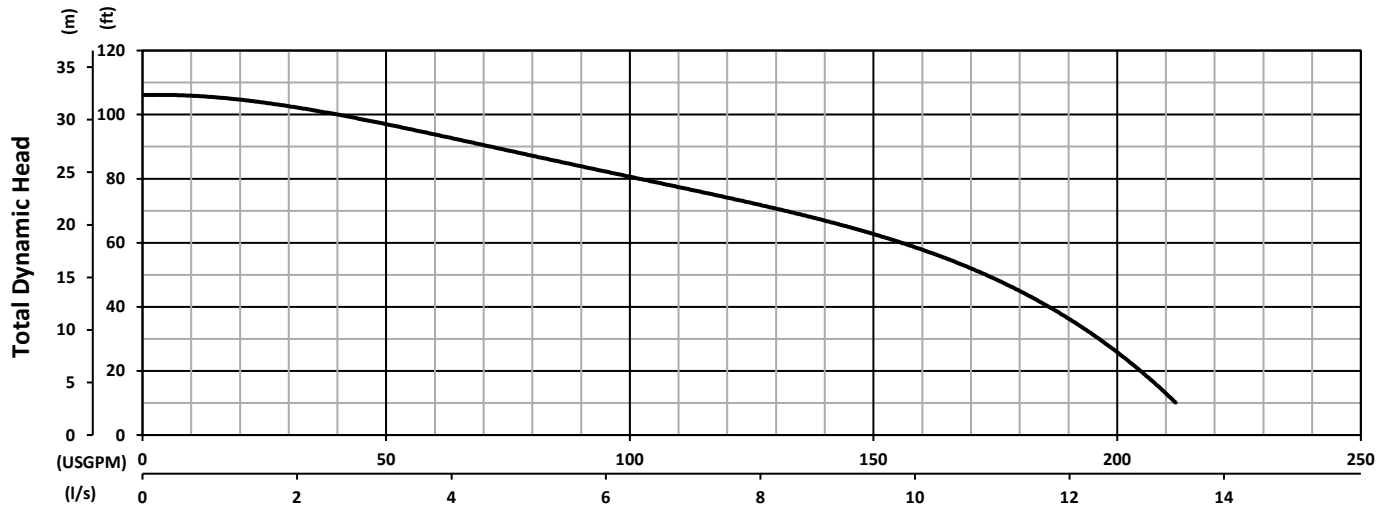
# PERFORMANCE CURVE

# Dewatering Pumps S750 HH 1Ø

Dwg: DS-A18-115

Rev: 0

Date: 4/19/2017



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