

MOTOR SPECIFICATIONS

Motor Design	NEMA design B, squirrel cage induction, air filled
Motor Type	Enclosed submersible, IP 68
Maximum submergence	65 feet (20m)
Insulation Class	Class F, rated at 155° C
Motor Protection	Bi-metallic Thermal Switch
Bi-Metallic Temp Trip	130° C ± 5° C
Service Factor	1.15
Max. Liquid Temperature	104°F (40°C)
Voltage Tolerance	± 10% from nominal
CSA Approval	CSA-C22.2 No. 108-14 - CSA-C22.2 No. 77-95 (R 2009)



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)
S1000	3	10	460	17.5	88	H	0.88	0.85	2/3450
			575	14	71	H	0.88	0.85	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 304 Stainless Steel	ASTM A532 Class III Type Chromium
Strainer	AISI 304 Stainless Steel	AISI 304 Stainless Steel
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 sealed	Deep groove ball bearing, double sealed
Lower Bearing	Double row angular contact ball bearing, double sealed	Double row angular contact ball bearing, double sealed
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)	124 lbs (56kg)
Discharge size, HH	3 inch NPT male vertical
Discharge size, HV	4 inch NPT male vertical
Strainer Opening	8mmx24.5mm

CABLE SPECIFICATIONS

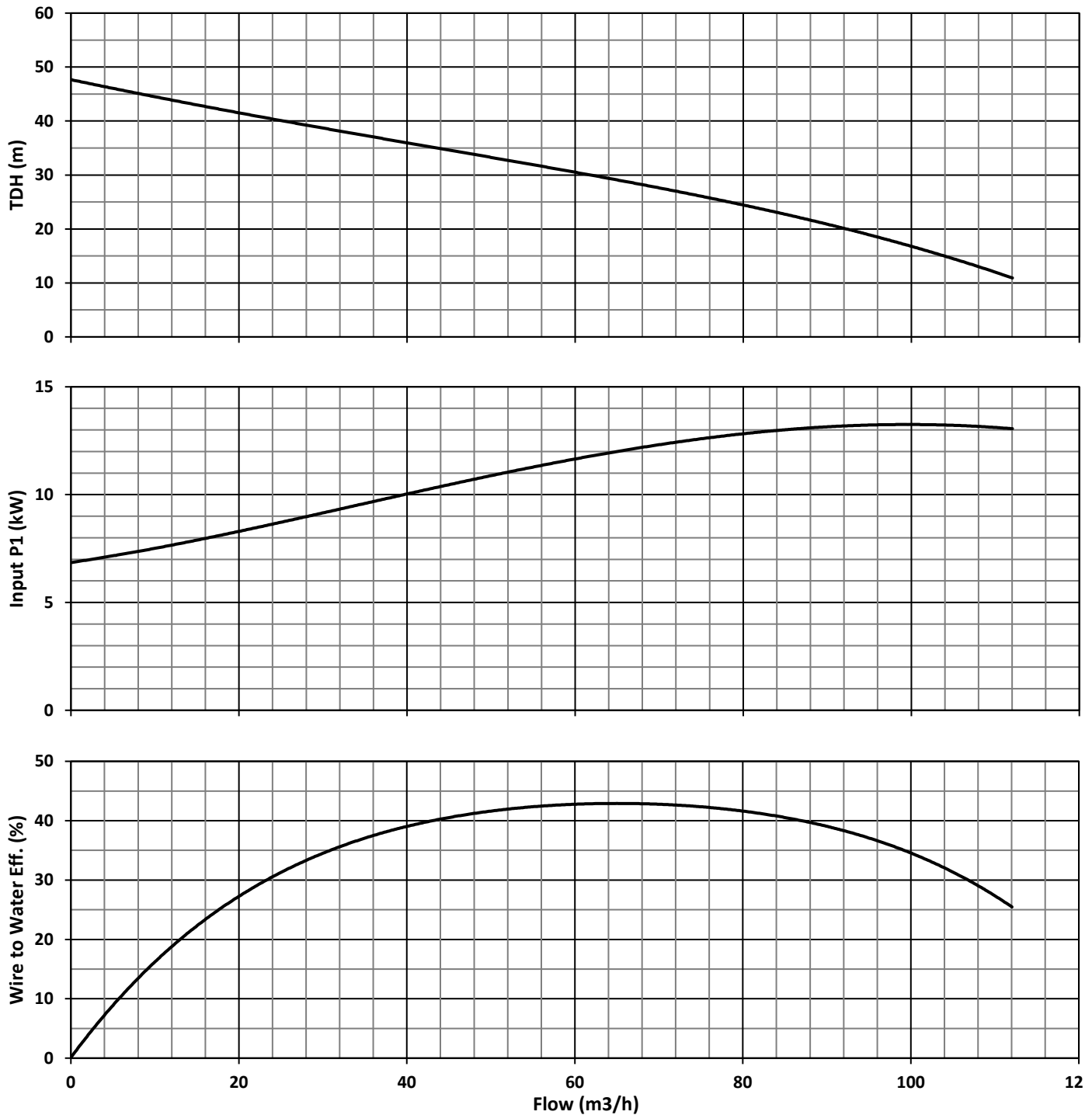
MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
S1000	3Ø-460V	SOOW 12/4, 10/5, 8/4+16/3 or SHD-GC	65' Standard	CPE, Heavy Duty
	3Ø-575V	SOOW 12/5, 12/4, 10/5, 10/7 or SHD-GC	65' Standard	CPE, Heavy Duty



Dwg: DS-A18-022

Rev: 3

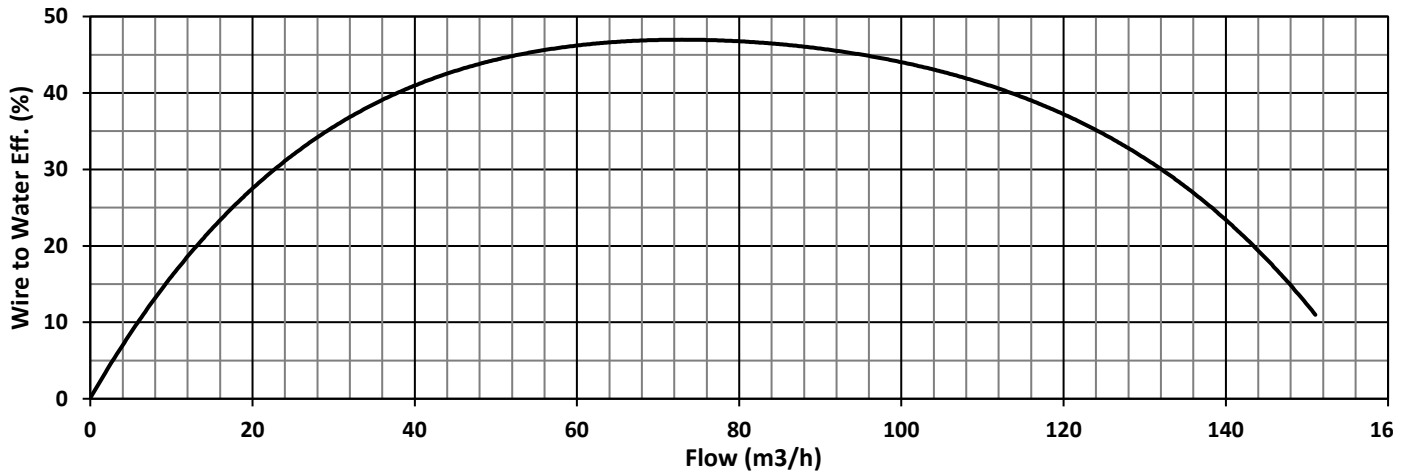
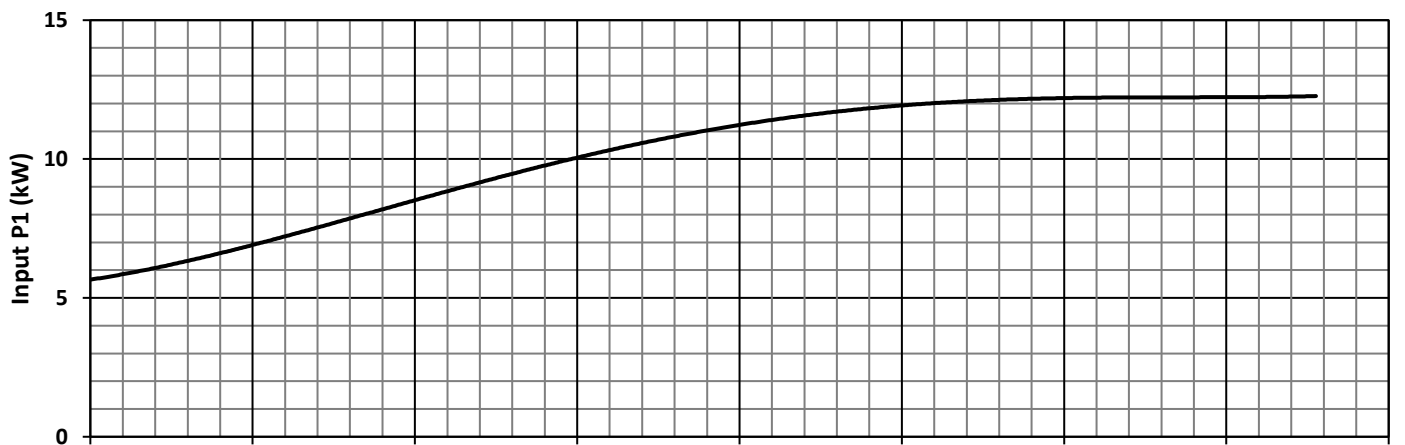
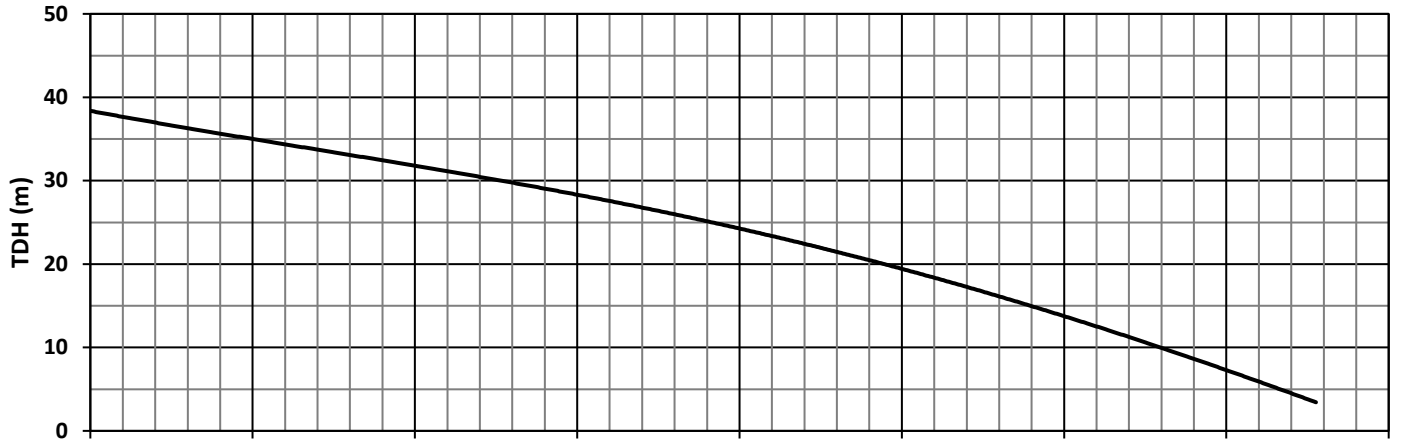
Date: 11/7/2016



Pump Performance Test - Metric Units

Test Standard : HI 11.6 Gr 3B
 Tested with water at 20°C
 Frequency 60 Hz
 Pump Speed 3450 RPM
 Impeller Ø175mm

Specifications subject to change without notice



Pump Performance Test - Metric Units

Test Standard : HI 11.6 Gr 3B
 Tested with water at 20°C
 Frequency 60 Hz
 Pump Speed 3450 RPM
 Impeller Ø160mm

Specifications subject to change without notice