

ST2037, 47, 47B, 38P, 40T SUB. PUMP — SPECIFICATIONS

TABLE 1. SPECIFICATIONS

Model	ST-2037	ST-2047 / ST-2047B	ST-2038P	ST-2040T
Type	Centrifugal Submersible Pump	Centrifugal Submersible Pump	Centrifugal Submersible Pump	Submersible Trash Pump
Impeller	Nitorile Rubber over Steel	Nitorile Rubber over Steel	Nitorile Rubber over Steel	Nitorile Rubber over Steel
Suction & Discharge Size	2.00 in. (50 mm)	2.00 in. (50 mm)	2.00 in. (50 mm)	2.00 in. (50 mm)
Maximum Pumping Capacity	73 gallons/minute (272 liters/minute)	87 gallons/minute (322 liters/minute)	60 gallons/minute (227 liters/minute)	79 gallons/minute (299 liters/minute)
Max Head	37 ft. (10.6 meters)	47 ft (13.9 meters)	38 ft (11 meters)	40 ft. (11.4 meters)
Power	1 HP (0.75 kw)	1 HP (0.75 kw)	1 HP (0.75 kw)	1 HP (0.75 kw)
Voltage Phase	1Ø 115V	1Ø 115V / 1Ø 230V	1Ø 115V	1Ø 120V
Starting Amps	25	25 / 12.5	25	25
Running Amps	6.9	9.8 / 4.9	6.8	6.8
Control Box Required	See Note 3	See Note 3	See Note 3	See Note 3
Thermal Overload Protection	YES	YES	YES	YES
Rotation	CCW (Note 1)	CCW (Note 1)	CCW (Note 1)	CCW (Note 1)
Mechanical Seal Oil Capacity	120 cc. (Note 2)	120 cc. (Note 2)	120 cc. (Note 2)	133 cc. (Note 2)
Check Frequency	Monthly (300 hrs.)	Monthly (300 hrs.)	Monthly (300 hrs.)	Monthly (300 hrs.)
RPM (Speed)	3390 +/- 30	3250 +/- 30	3400 +/- 30	3390 +/- 30
Power Cable Length	25 FT. (7.6 m.)	50 FT. (15.2 m.)	25 FT. (7.6 m.)	25 FT. (7.6 m.)
Dry Net weight	31 lb (14 kg)	33 lb (15 kg)	31 lb (14 kg)	34 lb (15.4 kg)

- Motor Rotation** – Upon start-up, the pump "*kicks*" in the opposite direction of motor rotation. The correct rotation is counterclockwise (CCW) as viewed from the impeller end of the pump.
- Mechanical Seal Oil** – Use a good grade 10 weight non-detergent hydraulic oil (i.e. Shell Turbo 32 or equivalent). Fill oil cavity 75% to 85% full (allow air space for expansion).
- Control Box** - Control box (Table 2) may be required for certain pumping applications.

Table 2. Control Box Specifications

Model No.	Voltage Type	UL/CSA Listed	Thermal Overload Protection	Float Switch Capability
CB3	115 VAC, 60 Hz Single-Phase	YES	YES	YES