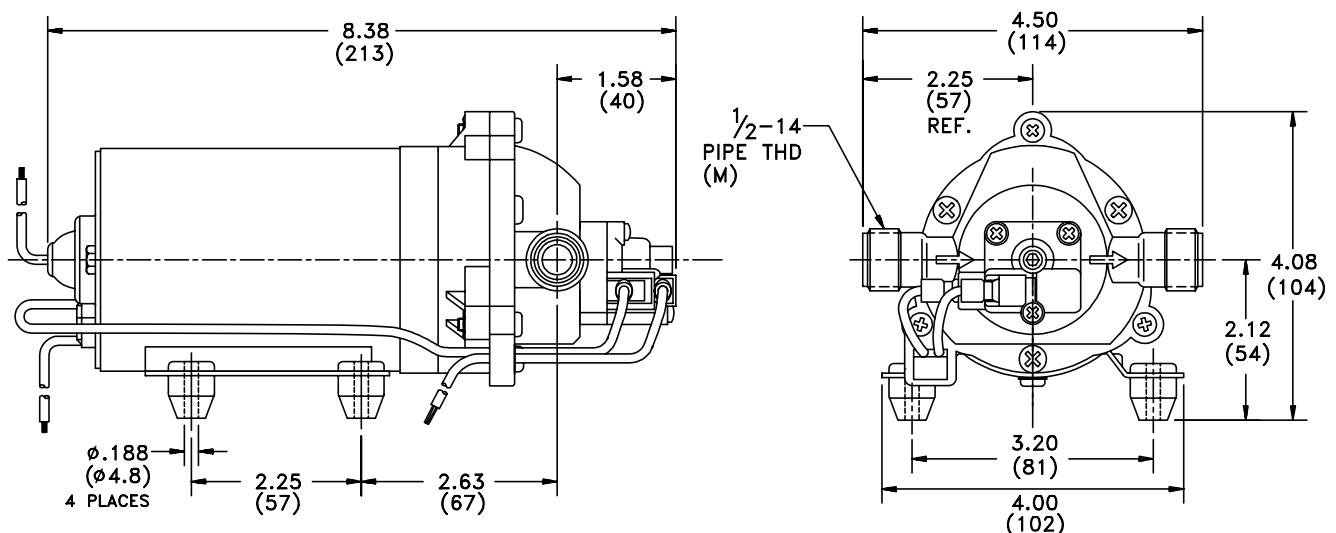
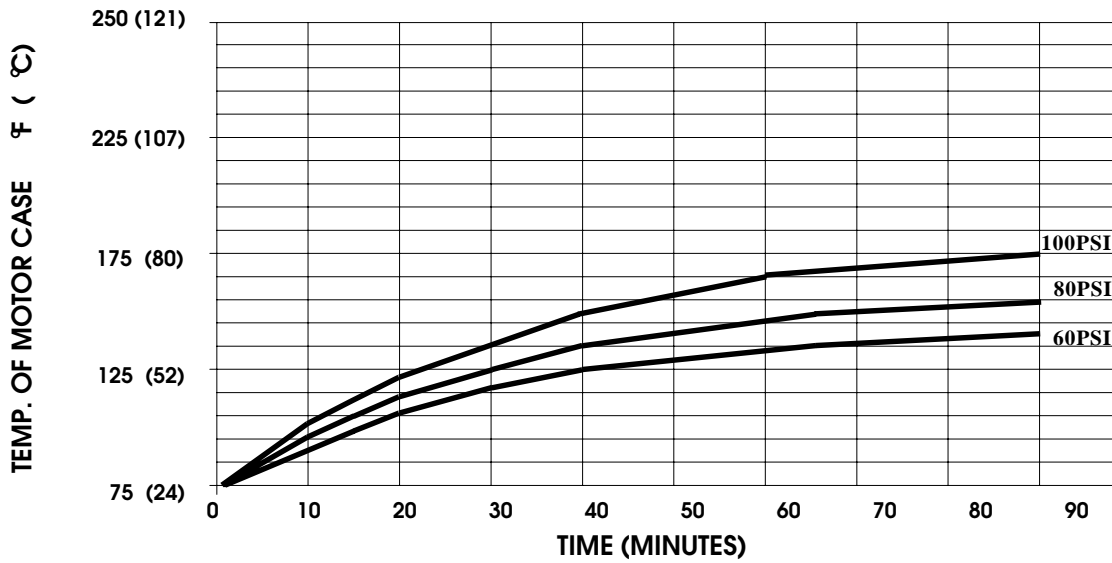


**SHURflo**<sup>®</sup>*First in Fluid Innovation***PRODUCT DATA SHEET****MODEL: 8000-853-138****SPECIFICATIONS:****MODEL NUMBER:** 8000-853-138**PUMP DESIGN:** Positive Displacement 3 Chamber Diaphragm Pump**CHECK VALVE:** (1-Way Operation) Prevents Reverse Flow**CAM:** 3.0 Degree**MOTOR:** Permanent Magnet, P/N 11-127-10**VOLTAGE:** 24 VDC Nominal**PRESSURE SWITCH:** Adjustable Shut-Off (Range 80-100 PSI)Factory Set @ 100 PSI, Turn On 85 PSI  $\pm 5$  PSI**LIQUID TEMPERATURE:** 180 Degrees Fahrenheit (82 Degrees Centigrade) Max.**PRIME:** Self-Priming Up To 9 Ft. Vertical,

Max. Inlet Pressure 30 PSI (2.1 Bar)

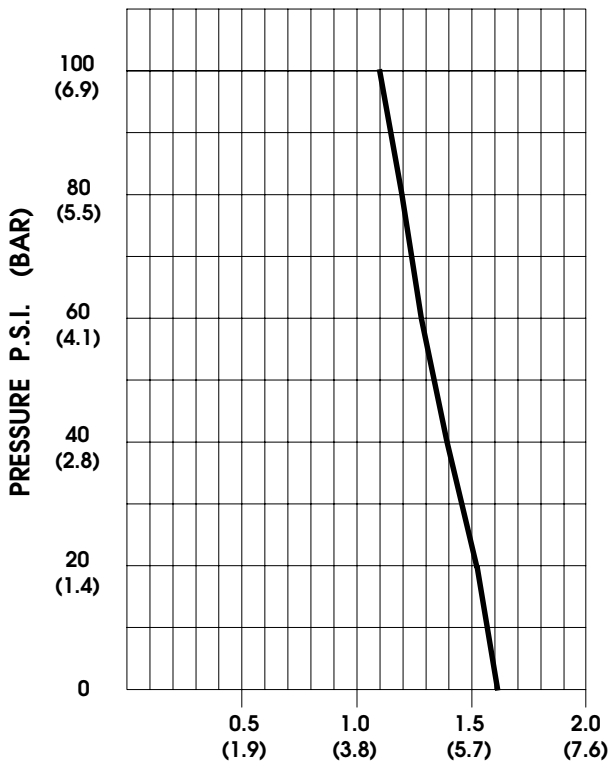
**PORTS:** 1/2"-14 Male Parallel Thread**MATERIAL OF CONSTRUCTION:****PLASTICS-** Nylon**VALVES-** Viton**DIAPHRAGM-** Santoprene**FASTENERS-** Zinc Plated Steel**NET WEIGHT:** 4.7 Lbs (2.13 Kg)**DUTY CYCLE:** Intermittent (See Temperature Rise Chart)**TYPICAL APPLICATIONS:** Soil Extraction**DIMENSIONS:**

**TEMPERATURE RISE**



THIS GRAPH IS FOR USE AS A DESIGN GUIDE. IT IS BASED ON RUNNING CONTINUOUSLY WITH AN AMBIENT TEMPERATURE OF 70° F IN STILL AIR.

**TYPICAL PERFORMANCE**



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	1.58/6.0	2305/2320	1.8	24VDC
10	1.57/5.9	2280/2295	2.1	"
20	1.53/5.8	2240/2265	2.4	"
30	1.46/5.5	2200/2240	2.7	"
40	1.39/5.3	2145/2218	3.0	"
50	1.33/5.0	2115/2190	3.3	"
60	1.28/4.8	2090/2160	3.5	"
70	1.24/4.7	2065/2132	3.8	"
80	1.20/4.5	2030/2110	4.1	"
90	1.15/4.4	2000/2080	4.3	"
100	1.11/4.2	1970/2050	4.5	"

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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