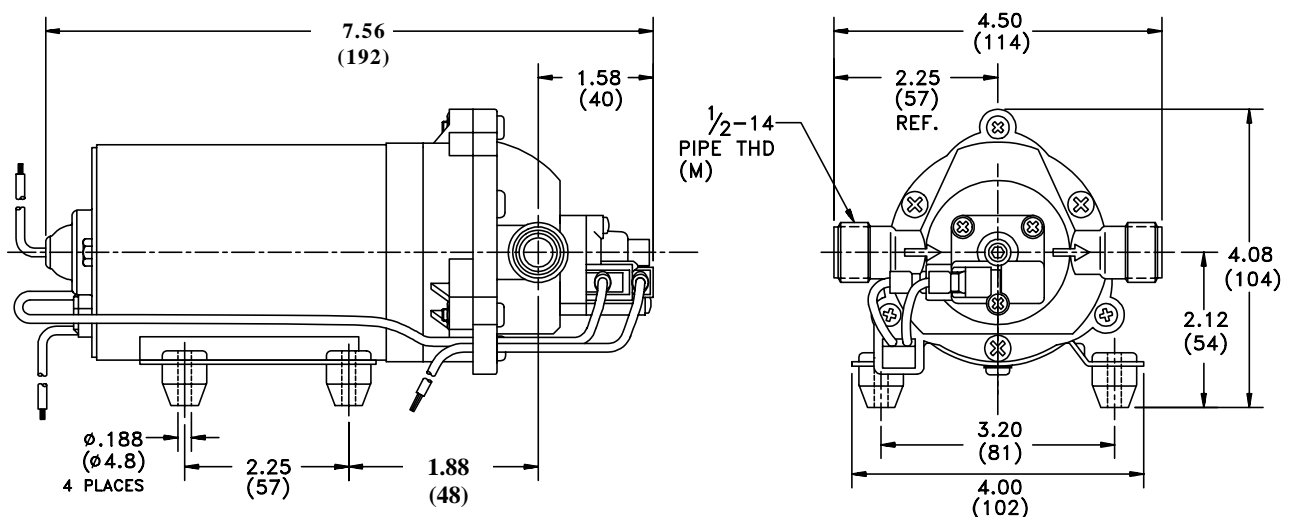
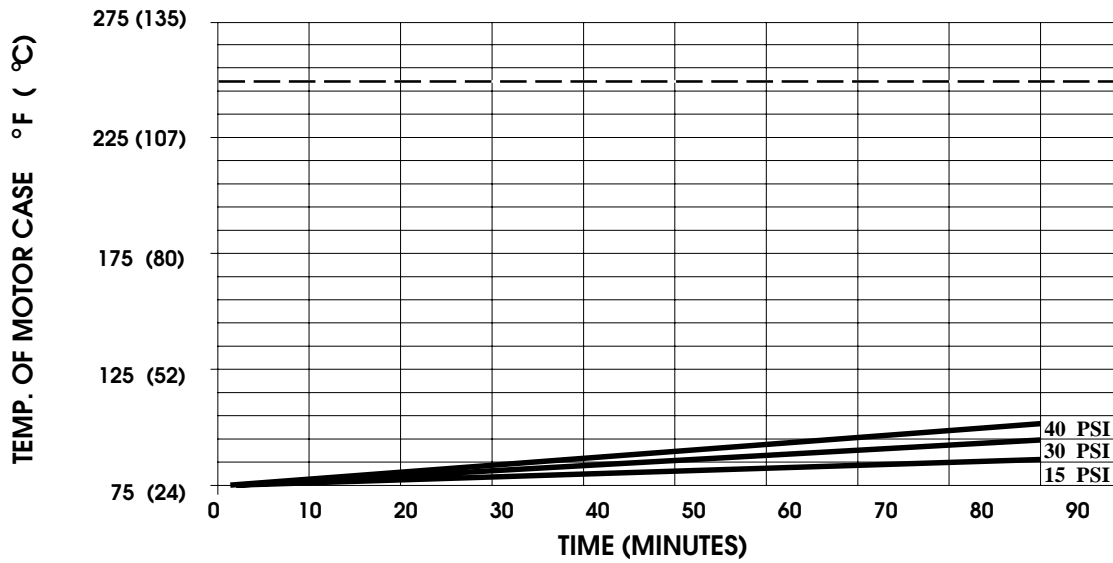


SHURflo[®]

First in Fluid Innovation

PRODUCT DATA SHEET**MODEL: 8090-512-144****SPECIFICATIONS:****MODEL NUMBER:** 8090-512-144**PUMP DESIGN:** Positive Displacement 3 Chamber Diaphragm Pump**CAM:** 2.5 Degree**CHECK VALVE:** (1-Way Operation) Prevents Reverse Flow**MOTOR:** Permanent Magnet, P/N 11-160-00, Thermally Protected**VOLTAGE:** 230 VAC Nominal**PRESSURE SWITCH:** Adjustable Shut-Off (Range 25-40 PSI)Factory Set @ 40 PSI, Turn On 30 PSI \pm 5 PSI**LIQUID TEMPERATURE:** 170 Degrees Fahrenheit (77 Degrees Centigrade) Max.**PRIME:** Self-Priming Up To 8 Ft. Vertical,
Max. Inlet Pressure 30 PSI (2.1 Bar)**PORTS:** 1/2"-14 Male Parallel Thread**MATERIAL OF CONSTRUCTION:****PLASTICS-** Polypropylene**VALVES-** Viton**DIAPHRAGM-** Santoprene**FASTENERS-** Zinc Plated Steel**NET WEIGHT:** 3.85 Lbs (1.75 Kg)**DUTY CYCLE:** Intermittent (See Temperature Rise Chart)**TYPICAL APPLICATIONS:** Soil Extraction**APPROVALS:** VDE Approved**DIMENSIONS:**

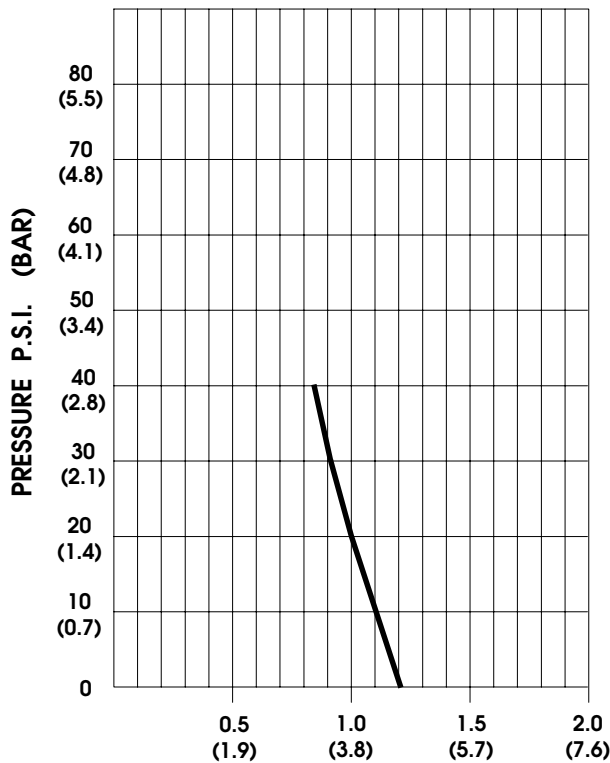
TEMPERATURE RISE



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. THE THERMAL BREAKER WILL OPEN WHEN THE CASE TEMPERATURE REACHES 250° F.

[----- TRIP POINT OF THERMAL PROTECTOR]

TYPICAL PERFORMANCE



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	1.18/4.5	2330/2390	.10	230 VAC
10	1.14/4.3	2245/2290	.13	"
20	1.00/3.8	2115/2130	.16	"
30	0.91/3.4	2010/2030	.18	"
40	0.84/3.2	1885/1950	.20	"

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

For technical advice or service please take your pump into your local pump service center.

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