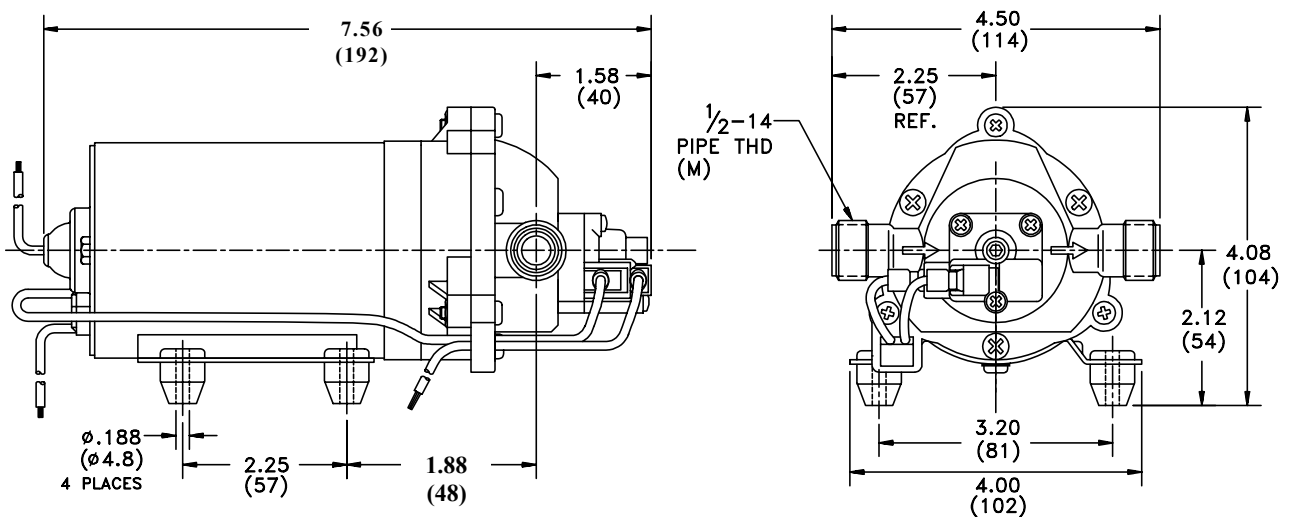


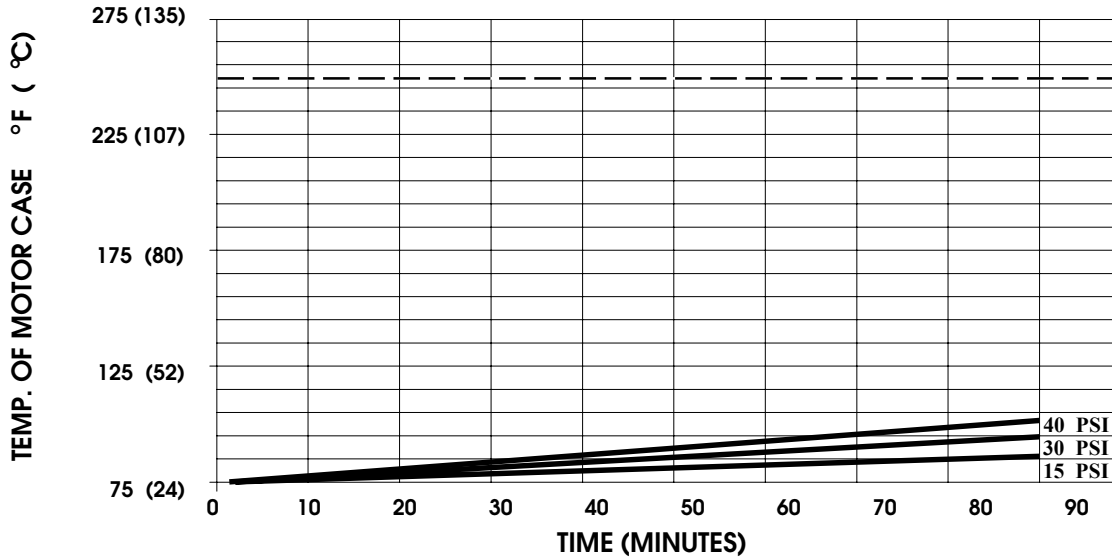
SPECIFICATIONS:

- 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 ± 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:



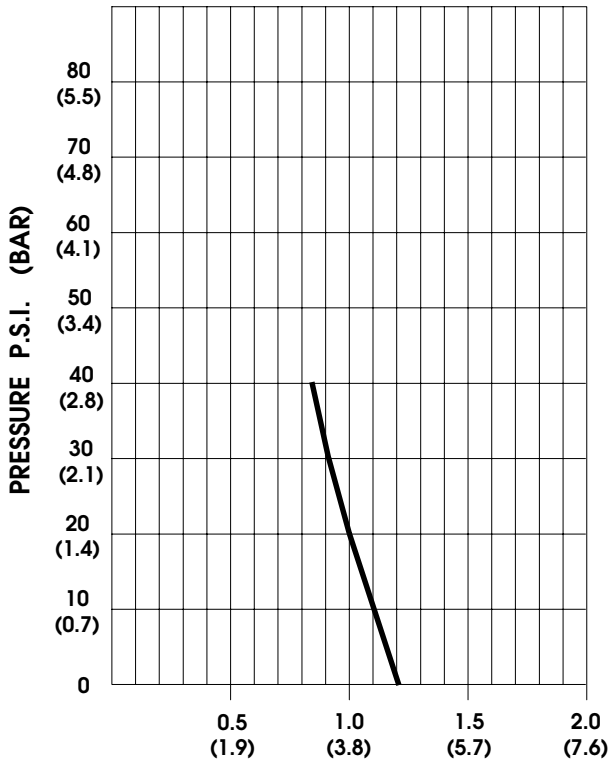
TEMPERATURE RISE



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	"

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

-ALL DATA BASED ON TESTING WITH WATER AT AMBIENT TEMPERATURE.