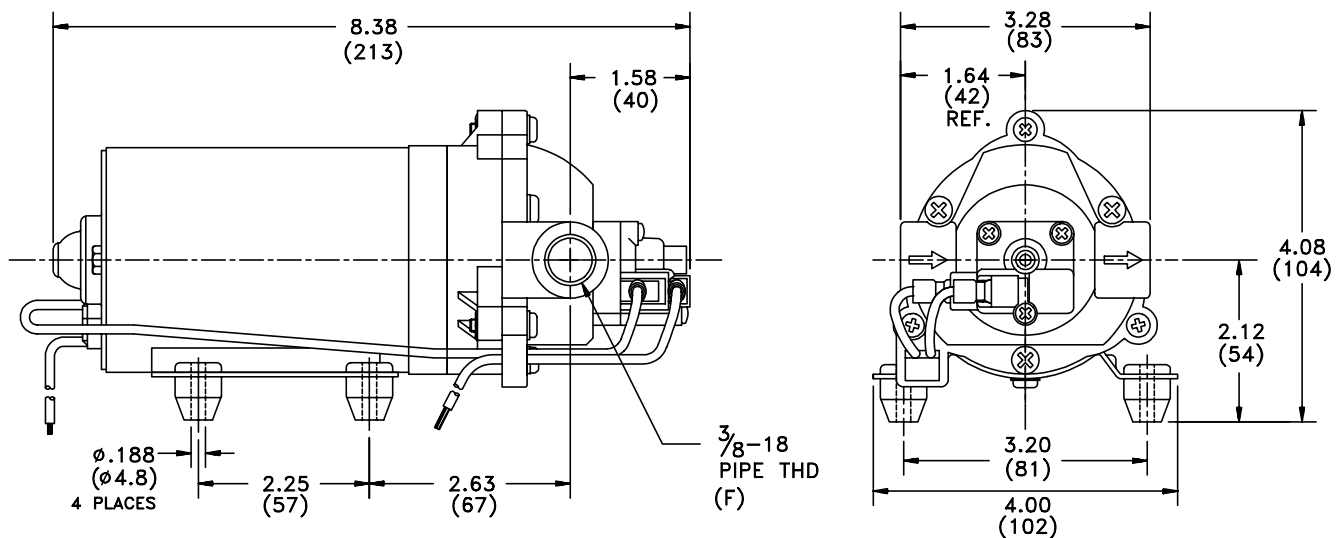
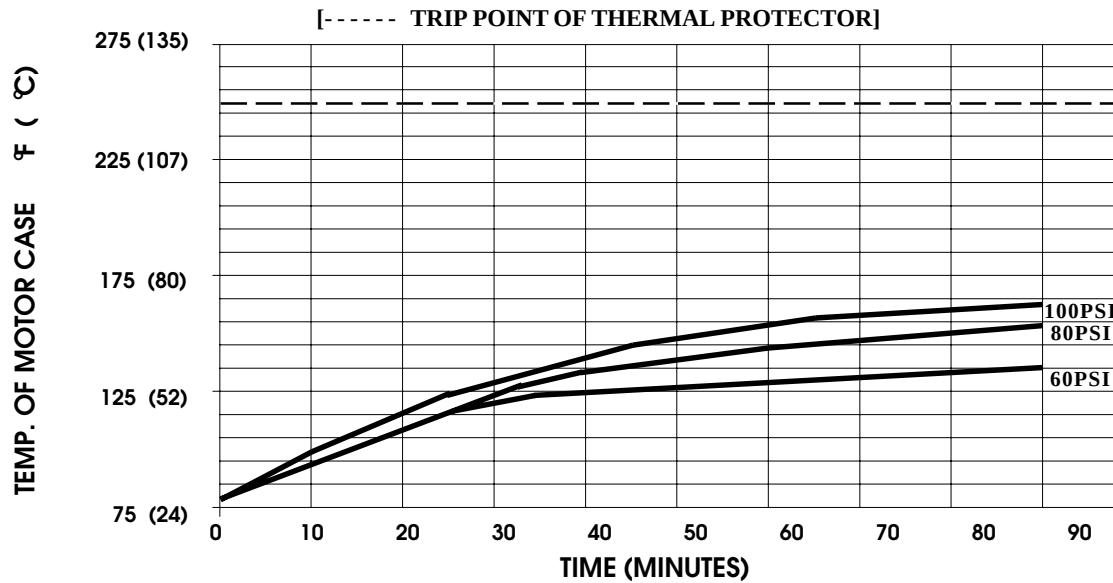
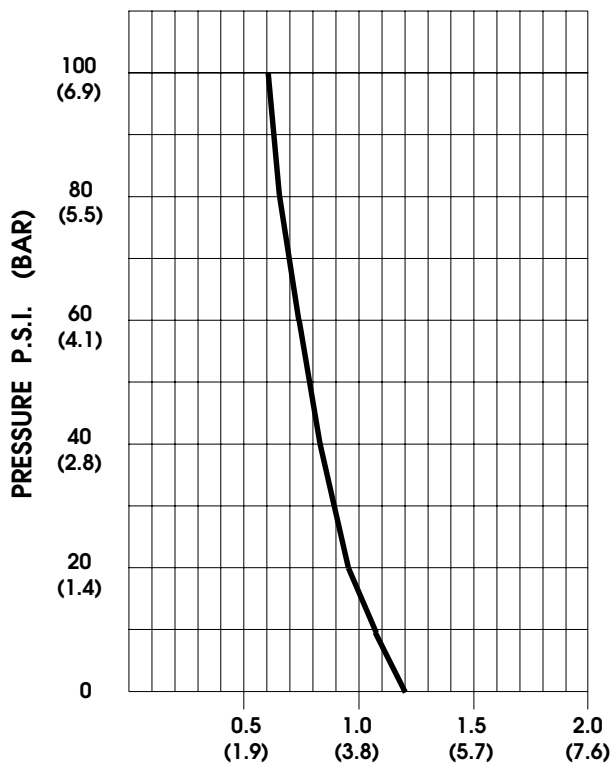


**PRODUCT DATA SHEET****MODEL: 8090-901-248****SPECIFICATIONS:****MODEL NUMBER:** 8090-901-248**PUMP DESIGN:** Positive Displacement 3 Chamber Diaphragm Pump**CHECK VALVE:** (2-Way Op.) Prevents Reverse Flow & 6 Ft. Head Forward Flow**CAM:** 2.0 Degree**MOTOR:** Permanent Magnet, P/N 11-160-10, Thermally Protected**VOLTAGE:** 230 VAC 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 5 Ft. Vertical,
Max. Inlet Pressure 30 PSI (2.1 Bar)**PORTS:** 3/8"-18 NPT Female**MATERIAL OF CONSTRUCTION:****PLASTICS-** Nylon**VALVES-** EPDM**DIAPHRAGM-** Santoprene**FASTENERS-** Zinc Plated Steel**NET WEIGHT:** 4.8 Lbs (2.18 Kg)**DUTY CYCLE:** Intermittent (See Temperature Rise Chart)**TYPICAL APPLICATIONS:** Soil Extraction**APPROVALS:** VDE Approved**DIMENSIONS:**

TEMPERATURE RISE**MODEL: 8090-901-248**

THIS GRAPH IS FOR USE AS A DESIGN GUIDE. IT IS BASED ON RUNNING CONTINUOUSLY WITH AN AMBIENT TEMPERATURE OF 80° F IN STILL AIR. THE THERMAL BREAKER WILL OPEN WHEN THE CASE TEMPERATURE REACHES 250° F.

TYPICAL PERFORMANCE

PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	1.20/4.5	2545/2570	0.16	230VAC
10	1.00/3.8	2505/2530	0.18	"
20	0.93/3.5	2440/2455	0.20	"
30	0.87/3.3	2370/2390	0.22	"
40	0.83/3.1	2315/2330	0.24	"
50	0.78/2.9	2260/2270	0.25	"
60	0.74/2.8	2220/2230	0.26	"
70	0.70/2.6	2180/2190	0.27	"
80	0.66/2.5	2145/2155	0.28	"
90	0.63/2.4	2105/2110	0.30	"
100	0.60/2.3	2045/2070	0.31	"

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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

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