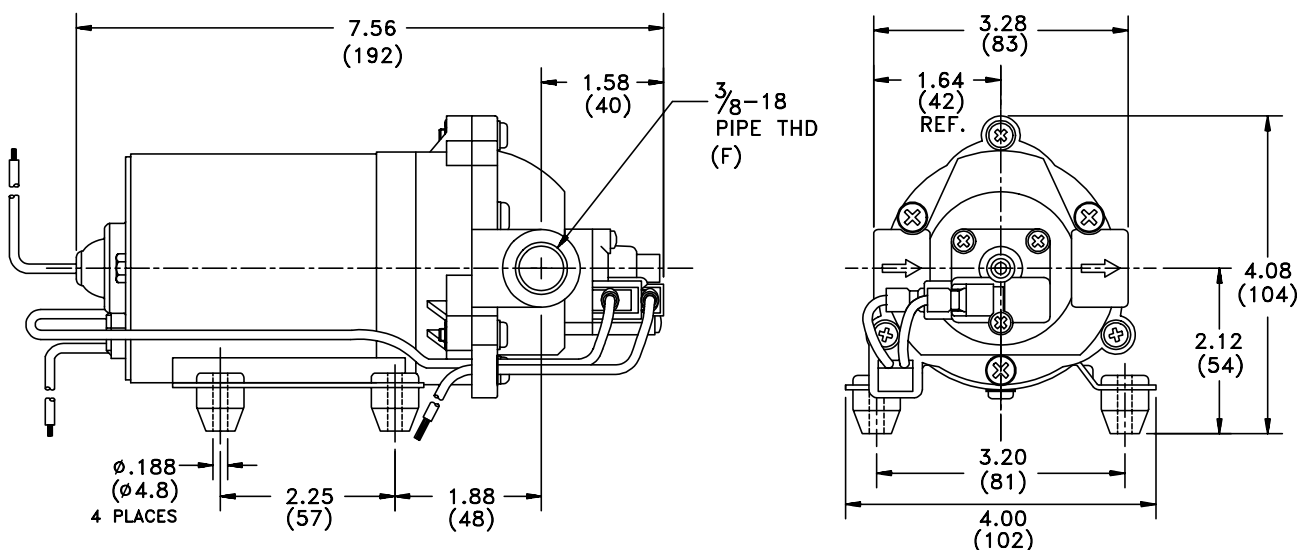
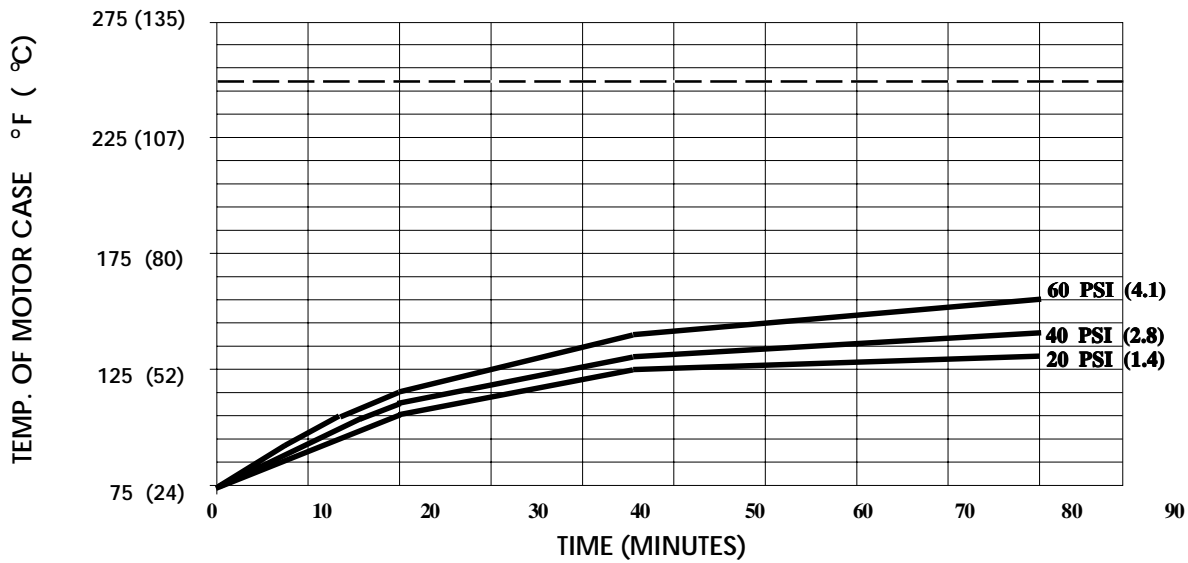


**PRODUCT DATA SHEET****MODEL: 8090-512-256****SPECIFICATIONS:****MODEL NUMBER:** 8090-512-256**PUMP DESIGN:** Positive Displacement 3 Chamber Diaphragm Pump**CHECK VALVE:** (1-Way Operation) Prevents Reverse Flow**CAM:** 2.5 Degree**MOTOR:** Permanent Magnet, P/N 11-160-00, Thermally Protected**VOLTAGE:** 230 VAC Nominal**PRESSURE SWITCH:** Adjustable Shut-Off (Range 40-60 PSI)Factory Set @ 60 PSI, Turn On 45 PSI  $\pm$  5 PSI**LIQUID TEMPERATURE:** 170 Degrees Fahrenheit (77 Degrees Centigrade) Max.**PRIME:** Self-Priming Up To 7 Ft. Vertical,  
Max. Inlet Pressure 30 PSI (2.1 Bar)**PORTS:** 3/8"-18 NPT Female**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:**

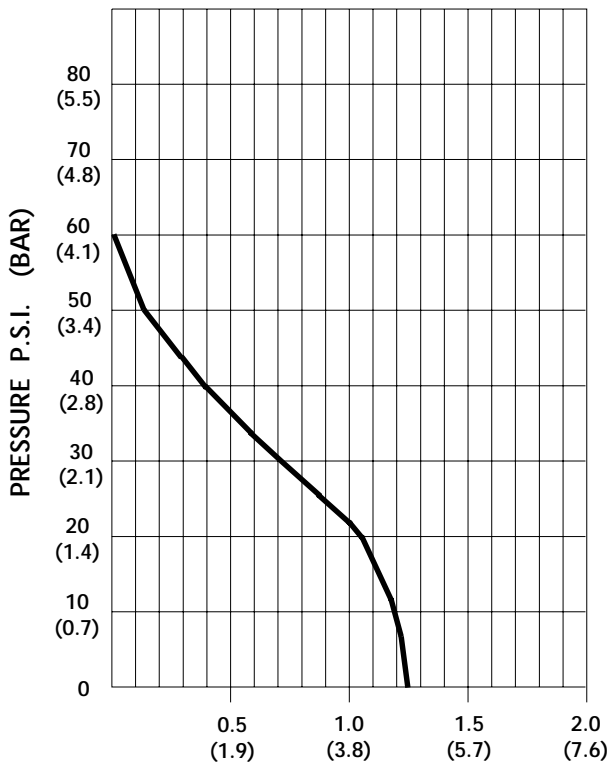
**TEMPERATURE RISE**



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	1.25/4.7	2285/2310	.16	230 VAC
10	1.18/4.5	2180/2195	.18	"
20	1.05/4.0	2065/2075	.20	"
30	0.63/2.4	1960/1975	.23	"
40	0.42/1.6	1855/1865	.25	"
50	0.13/0.5	1765/1780	.28	"
60	0.01/0.4	1715/1760	.29	"

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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