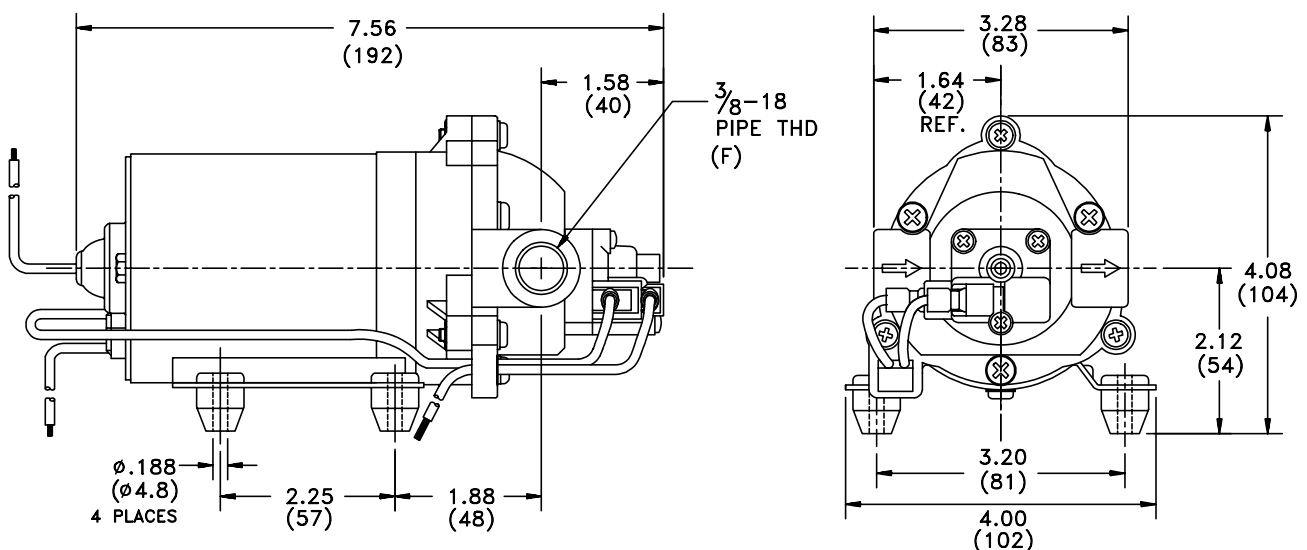
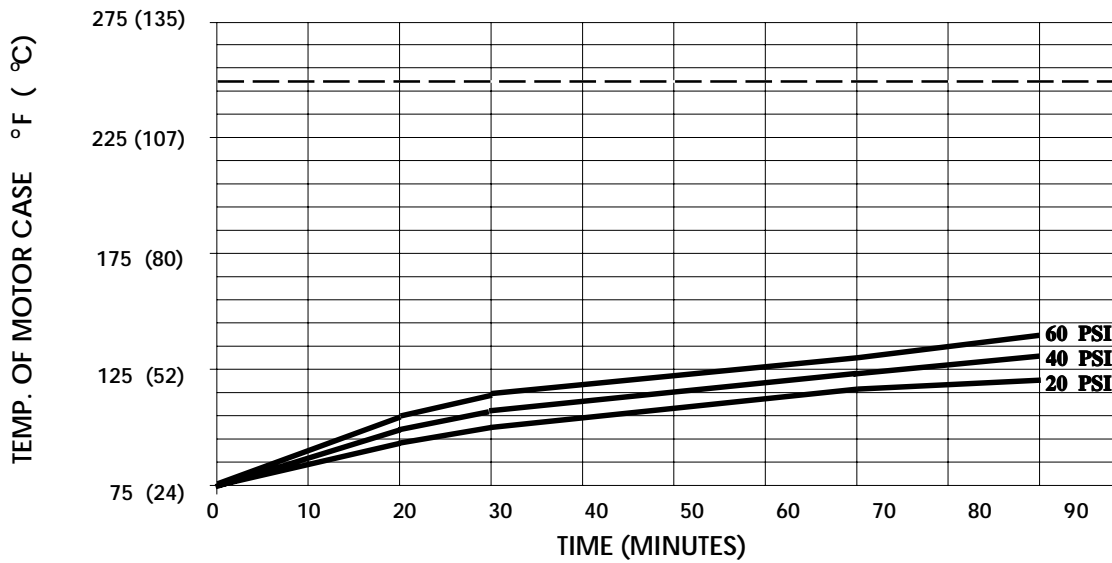


**PRODUCT DATA SHEET****MODEL: 8090-511-246****SPECIFICATIONS:****MODEL NUMBER:** 8090-511-246**PUMP DESIGN:** Positive Displacement 3 Chamber Diaphragm Pump**CHECK VALVE:** (2-Way Operation) Prevents Reverse Flow & 6 Ft. Head Forward Flow**CAM:** 2.0 Degree**MOTOR:** Permanent Magnet, P/N 11-160-00, 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:**

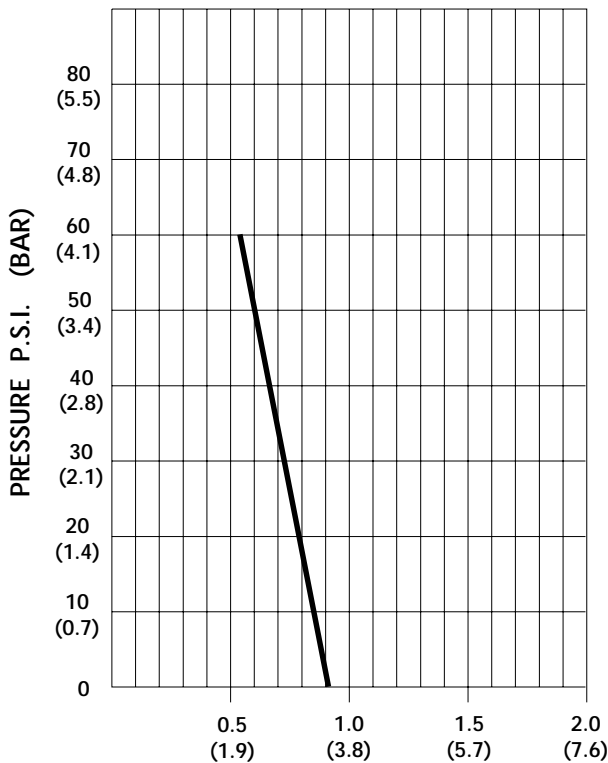
### TEMPERATURE RISE



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	<b>0.91/3.8</b>	<b>2335/2445</b>	<b>.11</b>	<b>230 VAC</b>
10	<b>0.86/3.5</b>	<b>2245/2350</b>	<b>.14</b>	"
20	<b>0.78/3.3</b>	<b>2160/2265</b>	<b>.16</b>	"
30	<b>0.73/3.0</b>	<b>2075/2190</b>	<b>.17</b>	"
40	<b>0.66/2.8</b>	<b>2005/2105</b>	<b>.18</b>	"
50	<b>0.62/3.8</b>	<b>1945/2035</b>	<b>.20</b>	"
60	<b>0.56/1.5</b>	<b>1893/1970</b>	<b>.22</b>	"

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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