

#### SPECIFICATIONS:

**MODEL NUMBER:** 8000-953-238

**PUMP DESIGN:** Positive Displacement 3 Chamber Diaphragm Pump

**CHECK VALVE:** (2-Way Op.) Prevents Reverse Flow & 6 Ft. Head Forward Flow

**CAM:** 3.0 Degree

**MOTOR:** Permanent Magnet, P/N 11-127-10

**VOLTAGE:** 24 VDC 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 10 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

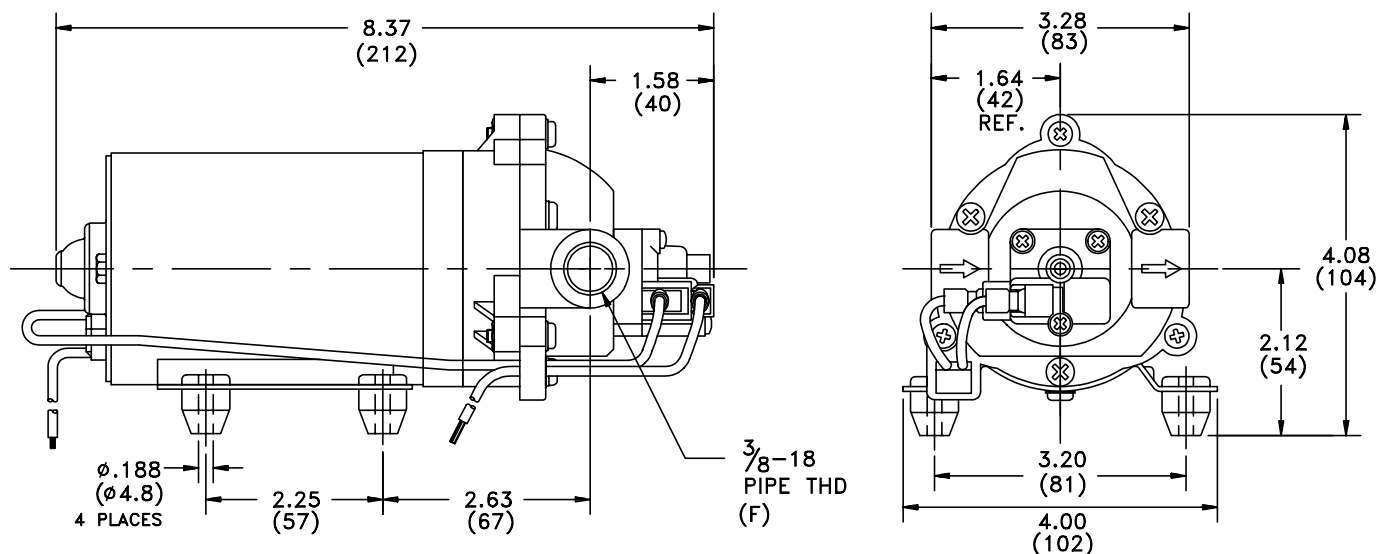
**FASTENERS-** Zinc or Cad Plated Steel

**NET WEIGHT:** 4.7 Lbs (2.13 Kg)

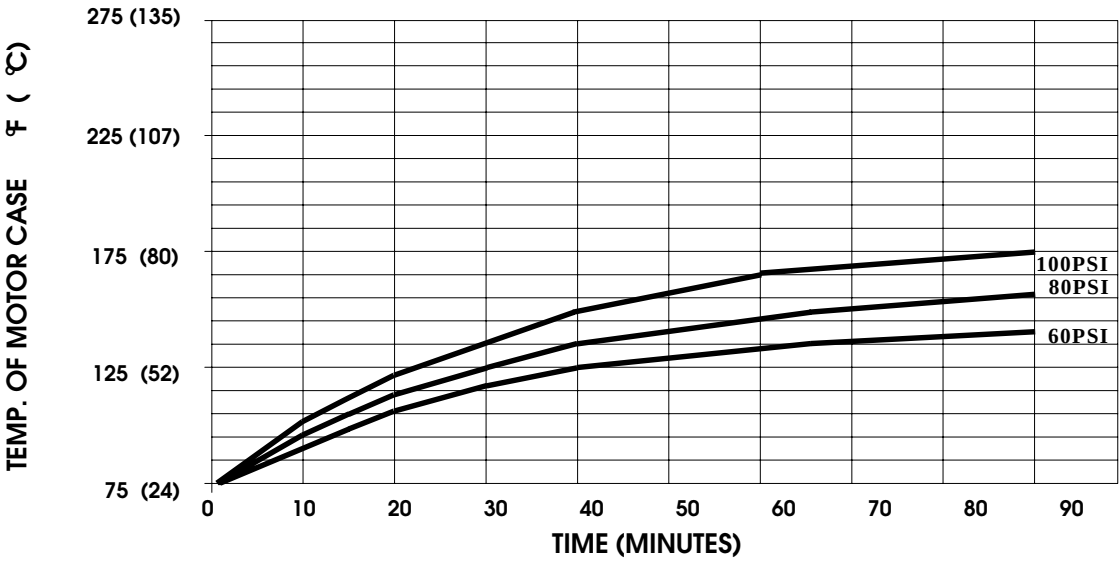
**DUTY CYCLE:** Intermittent (See Temperature Rise Chart)

**TYPICAL APPLICATIONS:** Industrial Spraying

#### DIMENSIONS:

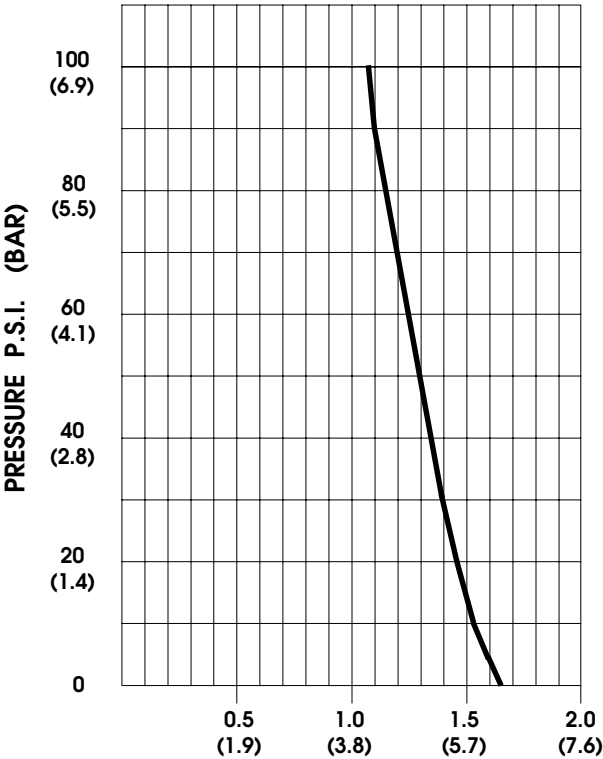


TEMPERATURE RISE



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.

TYPICAL PERFORMANCE



| PRESSURE (PSI) | FLOW (GPM/LIT) | RPM MIN/MAX | CURRENT (AMPS) | VOLTAGE (VOLTS) |
|----------------|----------------|-------------|----------------|-----------------|
| OPEN           | 1.62/6.1       | 2310/2320   | 1.6            | 24VDC           |
| 10             | 1.52/5.8       | 2280/2285   | 2.0            | "               |
| 20             | 1.45/5.5       | 2240/2250   | 2.4            | "               |
| 30             | 1.39/5.3       | 2200/2220   | 2.7            | "               |
| 40             | 1.34/5.1       | 2170/2195   | 3.0            | "               |
| 50             | 1.29/4.9       | 2135/2170   | 3.3            | "               |
| 60             | 1.24/4.7       | 2105/2150   | 3.6            | "               |
| 70             | 1.19/4.5       | 2075/2115   | 3.9            | "               |
| 80             | 1.15/4.4       | 2040/2090   | 4.2            | "               |
| 90             | 1.11/4.2       | 2010/2060   | 4.4            | "               |
| 100            | 1.07/4.0       | 1965/2005   | 4.7            | "               |

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.  
-ALL DATA BASED ON TESTING WITH WATER.