



## PRODUCT DATA SHEET

MODEL: 8007-543-836

### SPECIFICATIONS:

**MODEL NUMBER:** 8007-543-836

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

**CHECK VALVE:** (1-Way Operation) Prevents Reverse Flow

**CAM:** 3.0 Degree

**MOTOR:** Permanent Magnet, P/N 11-184-02 Fuse Protected, On/Off Switch, Connector

**VOLTAGE:** 12 VDC 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 11 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

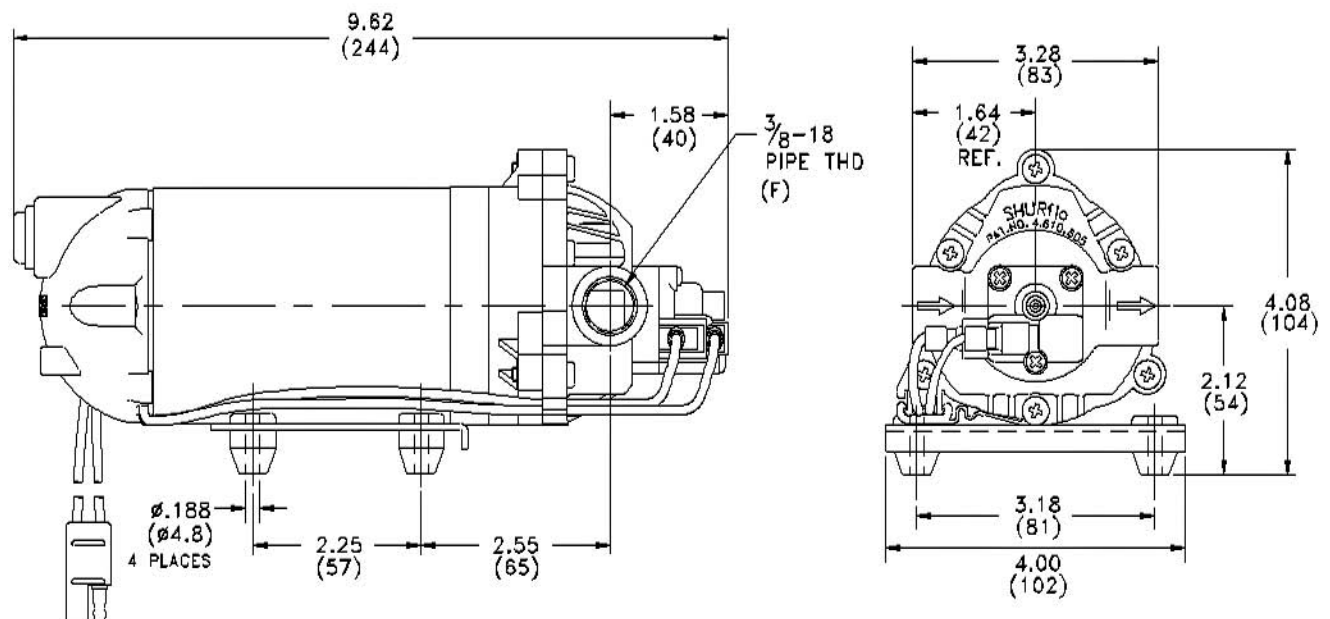
**FASTENERS-** Zinc Plated Steel

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

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

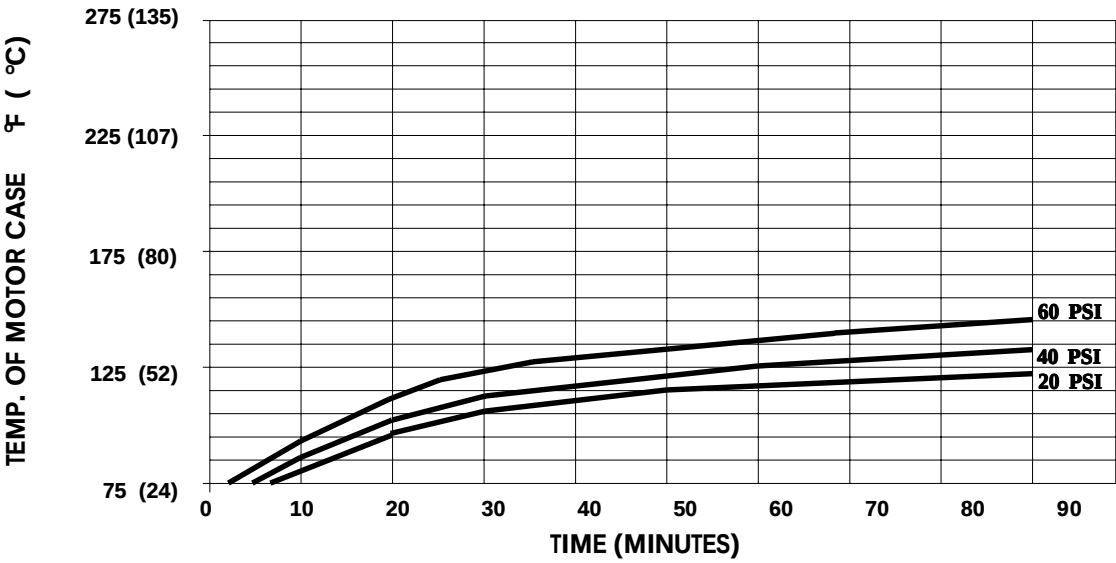
**TYPICAL APPLICATIONS:** Agricultural Spraying

### DIMENSIONS:

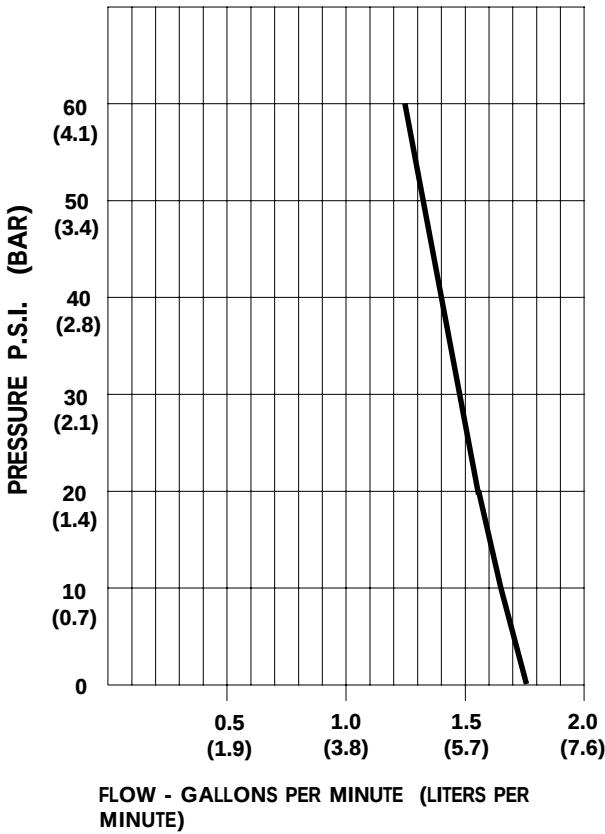


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TEMPERATURE RISE



TYPICAL PERFORMANCE



| PRESSURE (PSI) | FLOW (GPM/LIT) | RPM MIN/MAX | CURRENT (AMPS) | VOLTAGE (VOLTS) |
|----------------|----------------|-------------|----------------|-----------------|
| OPEN           | 1.80/6.8       | 2235/2245   | 2.8            | 12VDC           |
| 10             | 1.66/6.3       | 2180/2210   | 3.6            | "               |
| 20             | 1.57/5.9       | 2135/2170   | 4.3            | "               |
| 30             | 1.45/5.5       | 2085/2125   | 5.0            | "               |
| 40             | 1.39/5.3       | 2035/2080   | 5.6            | "               |
| 50             | 1.31/5.0       | 1985/2045   | 6.2            | "               |
| 60             | 1.23/4.7       | 1960/2015   | 6.8            | "               |

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