

### SPECIFICATIONS:

**MODEL NUMBER:** 2088-511-834

**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 11-185-00, Powder-Coated, Thermally Protected

**VOLTAGE:** 12 VDC Nominal

**PRESSURE SWITCH:** Splash-Proof, Adjustable from 30 to 50 PSI.

Factory Set @ 45 PSI Shut-Off, Turn On 25 PSI ± 5 PSI

**LIQUID TEMPERATURE:** 130 Degrees Fahrenheit (54 Degrees Centigrade) Max.

**PRIME:** Self-Priming Up To 8.0 Ft. Vertical,  
Max. Inlet Pressure 30 PSI (2.1 Bar)

**PORTS:** 1/2"-14 Male Parallel Thread

**MATERIAL OF CONSTRUCTION:**

**PLASTICS-** Polypropylene

**VALVES-** Santoprene

**DIAPHRAGM-** Santoprene

**FASTENERS-** Stainless Steel

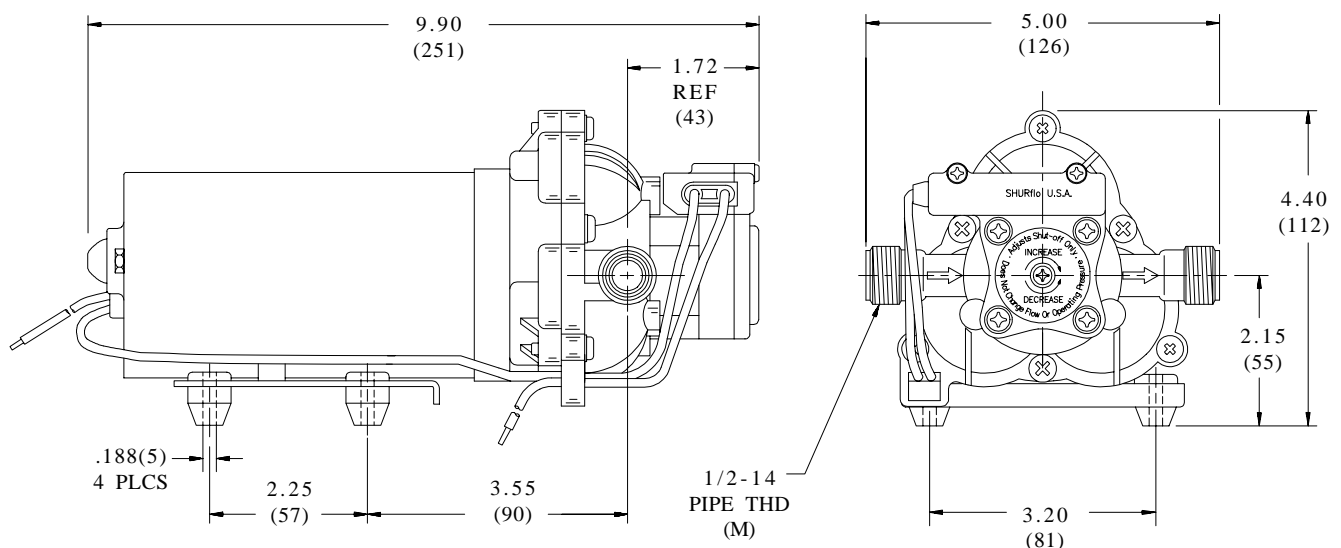
**NET WEIGHT:** 6.0 Lbs (2.7 Kg)

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

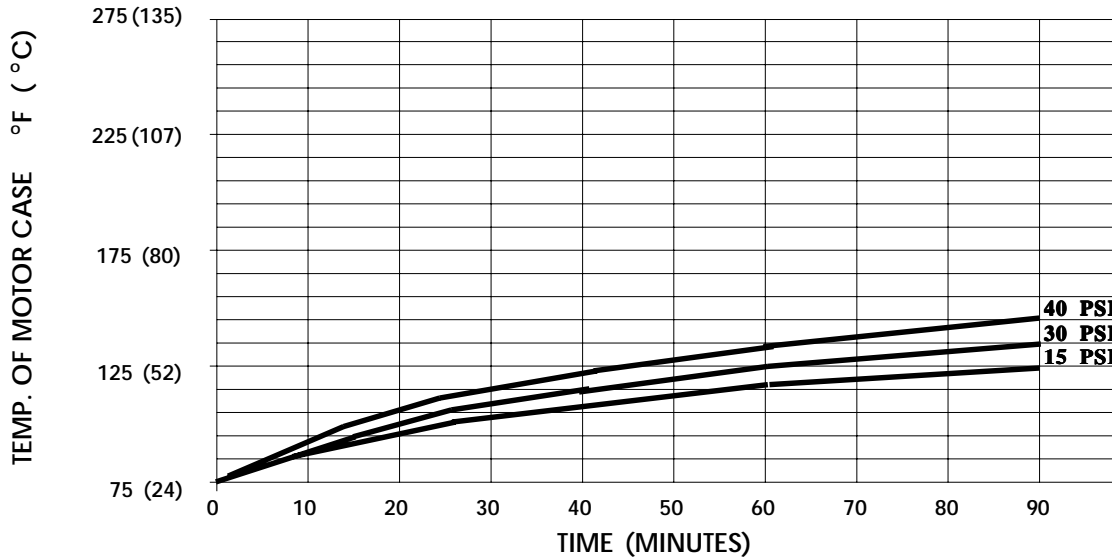
**TYPICAL APPLICATIONS:** Water Delivery, General Industrial Applications

**APPROVALS:** N.S.F. Listed

### DIMENSIONS:

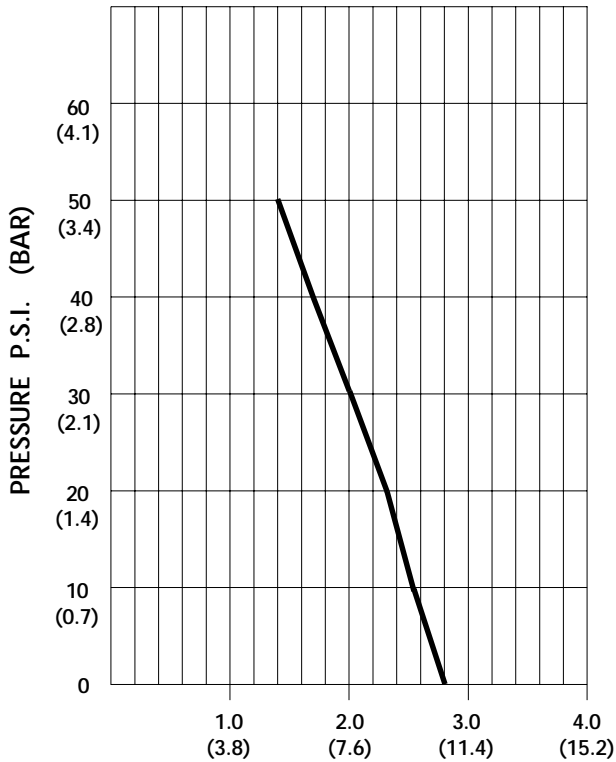


**TEMPERATURE RISE**



THIS GRAPH IS FOR USE AS A DESIGN GUIDE. IT IS BASED ON RUNNING CONTINUOUSLY WITH AN AMBIENT TEMPERATURE OF 75°F IN STILL AIR. THE THERMAL BREAKER WILL OPEN WHEN THE CASE TEMPERATURE REACHES 280°F.

**TYPICAL PERFORMANCE**



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	<b>2.80/10.6</b>	<b>2380/2430</b>	<b>4.5</b>	<b>12 VDC</b>
10	<b>2.50/9.5</b>	<b>2345/2415</b>	<b>5.0</b>	"
20	<b>2.30/8.7</b>	<b>2290/2370</b>	<b>6.0</b>	"
30	<b>2.00/7.6</b>	<b>2270/2340</b>	<b>6.7</b>	"
40	<b>1.70/6.4</b>	<b>2260/2310</b>	<b>7.3</b>	"
50	<b>1.40/5.3</b>	<b>2255/2290</b>	<b>7.5</b>	"

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