

**SPECIFICATIONS:**

**MODEL NUMBER:** 2088-344-500

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

**CAM:** 3.0 Degree

**MOTOR:** Permanent Magnet, P/N 11-111-00

**VOLTAGE:** 12 VDC Nominal

**PRESSURE SWITCH:** None

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

**PRIME:** Self-Priming Up To 8.0 Feet (2.4 Meters) Vertical,  
Max. Inlet Pressure 30 PSI (2.1 Bar)

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

**MATERIAL OF CONSTRUCTION:**

**PLASTICS-** Polypropylene

**VALVES-** Viton

**DIAPHRAGM-** Santoprene

**FASTENERS-** Zinc Plated Steel

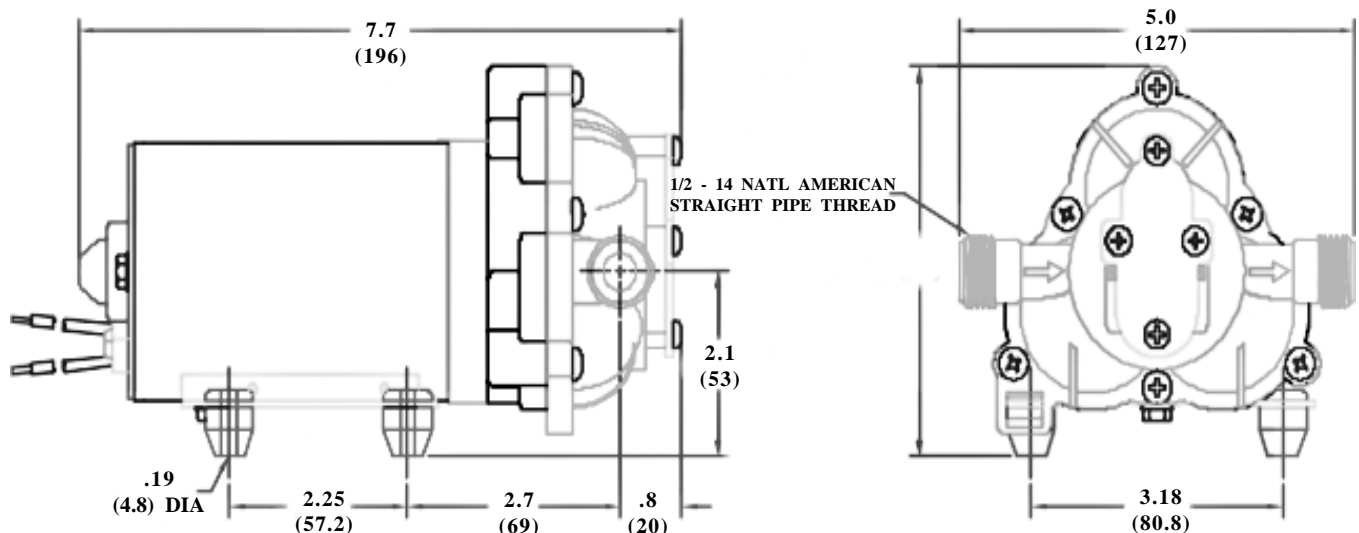
**NET WEIGHT:** 4.1 Lbs (1.86 Kg)

**DUTY CYCLE:** Continuous (See Temp. Rise Chart)

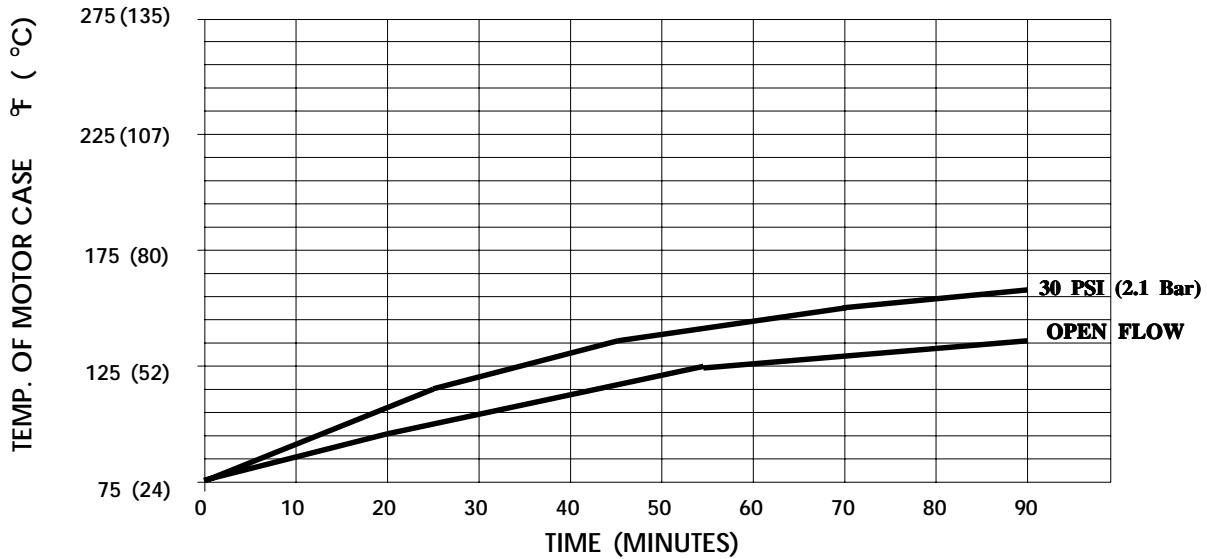
**TYPICAL APPLICATIONS:** Agricultural Spraying

**BYPASS:** 45 PSI Max.

**DIMENSIONS:**

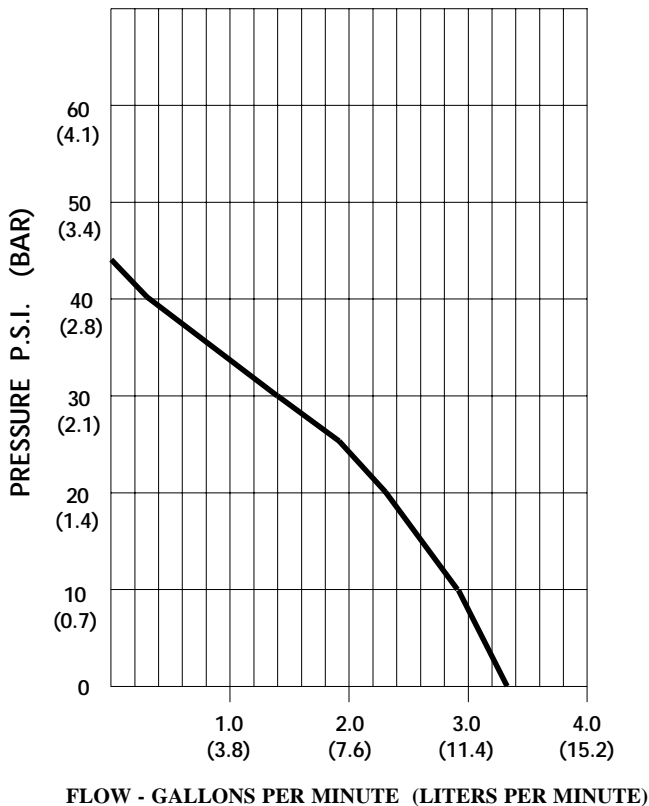


### TEMPERATURE RISE



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.

### TYPICAL PERFORMANCE



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	<b>3.3/12.5</b>	<b>2195/2210</b>	<b>3.5</b>	<b>12 VDC</b>
10	<b>2.9/10.9</b>	<b>2160/2175</b>	<b>5.8</b>	"
20	<b>2.3/8.7</b>	<b>2100/2110</b>	<b>7.1</b>	"
30	<b>1.4/5.3</b>	<b>2065/2100</b>	<b>8.2</b>	"
40	<b>0.6/2.3</b>	<b>1975/1985</b>	<b>9.1</b>	"

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