

**SPECIFICATIONS:**

**MODEL NUMBER:** 2088-343-170

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

**CHECK VALVE:** None

**CAM:** 3.0 Degree

**MOTOR:** Permanent Magnet, P/N 11-174-01, Fuse Protected w/Power Switch

**VOLTAGE:** 12 VDC Nominal

**PRESSURE SWITCH:** None, 1/4" Fitting Adapter

**LIQUID TEMPERATURE:** 170 Degrees Fahrenheit (77 Degrees Centigrade) Max.

**PRIME:** Self-Priming Up To 9 Ft. 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

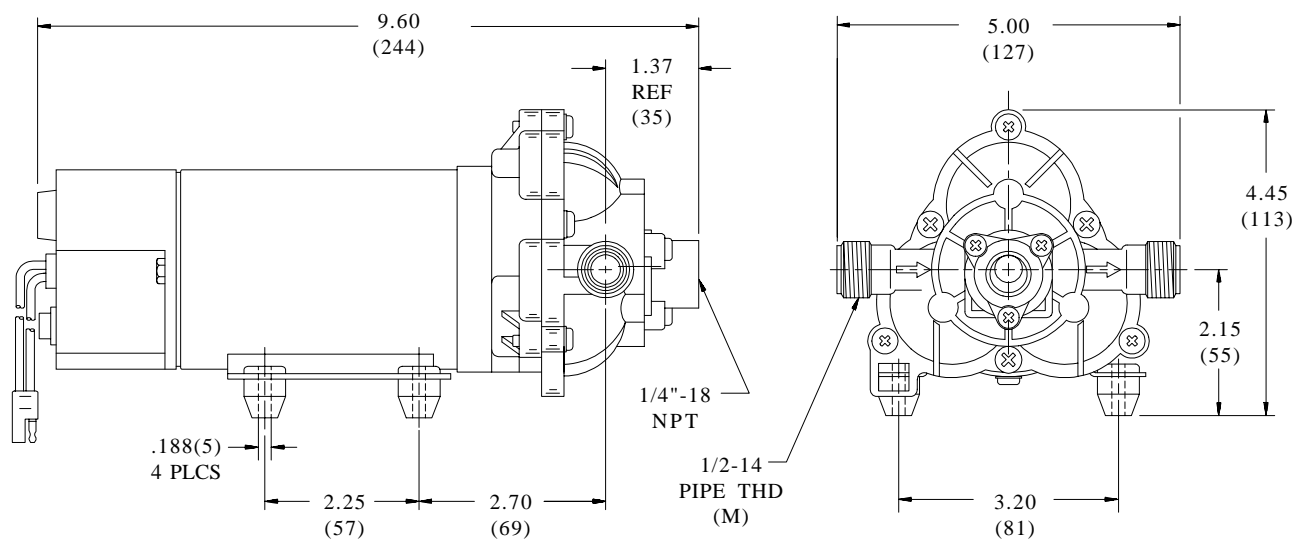
**FASTENERS-** Zinc Plated Steel

**NET WEIGHT:** 4.8 Lbs (2.17 Kg)

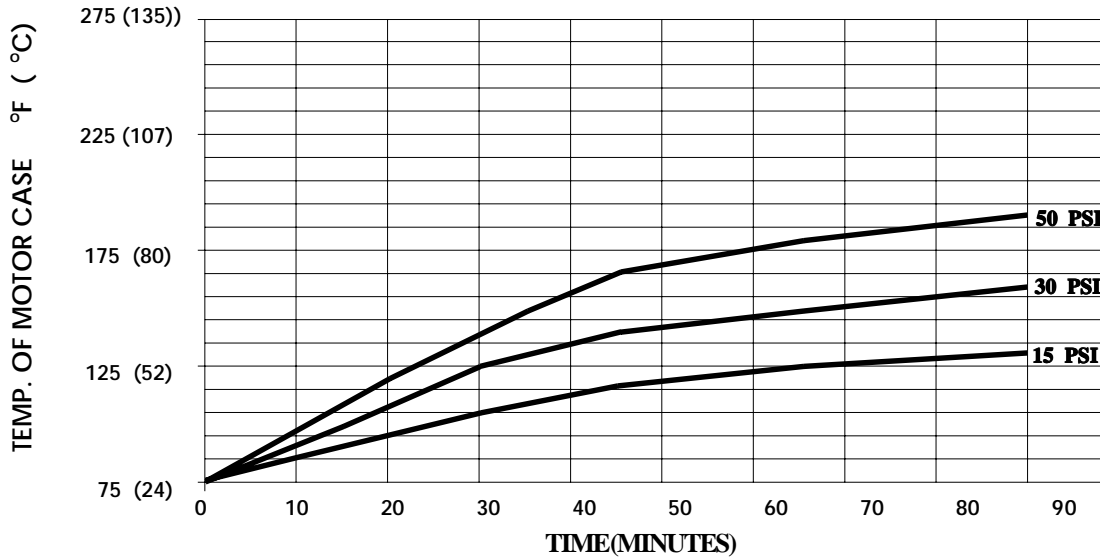
**DUTY CYCLE:** Intermittent (See Temperature Rise Chart)

**TYPICAL APPLICATIONS:** Agricultural Spraying

**DIMENSIONS:**

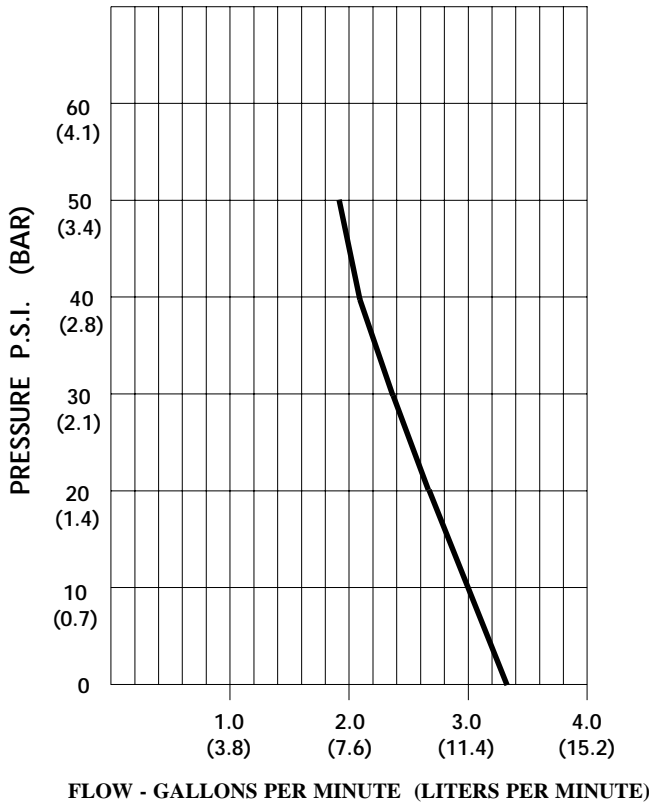


### TEMPERATURE RISE



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>3.30/12.5</b>	<b>2170/2300</b>	<b>3.5</b>	<b>12 VDC</b>
10	<b>3.00/11.3</b>	<b>2155/2200</b>	<b>5.0</b>	"
20	<b>2.67/10.1</b>	<b>2070/2120</b>	<b>6.4</b>	"
30	<b>2.38/9.0</b>	<b>2000/2030</b>	<b>7.5</b>	"
40	<b>2.14/8.1</b>	<b>1940/1970</b>	<b>8.3</b>	"
50	<b>1.86/7.0</b>	<b>1895/1930</b>	<b>9.1</b>	"

*-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.*

*-ALL DATA BASED ON TESTING WITH WATER.*