

**SPECIFICATIONS:**

**MODEL NUMBER:** 2088-343-500

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

**CHECK VALVE:** None

**CAM:** 3.0 Degree

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

**VOLTAGE:** 12 VDC Nominal

**PRESSURE SWITCH:** None

**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

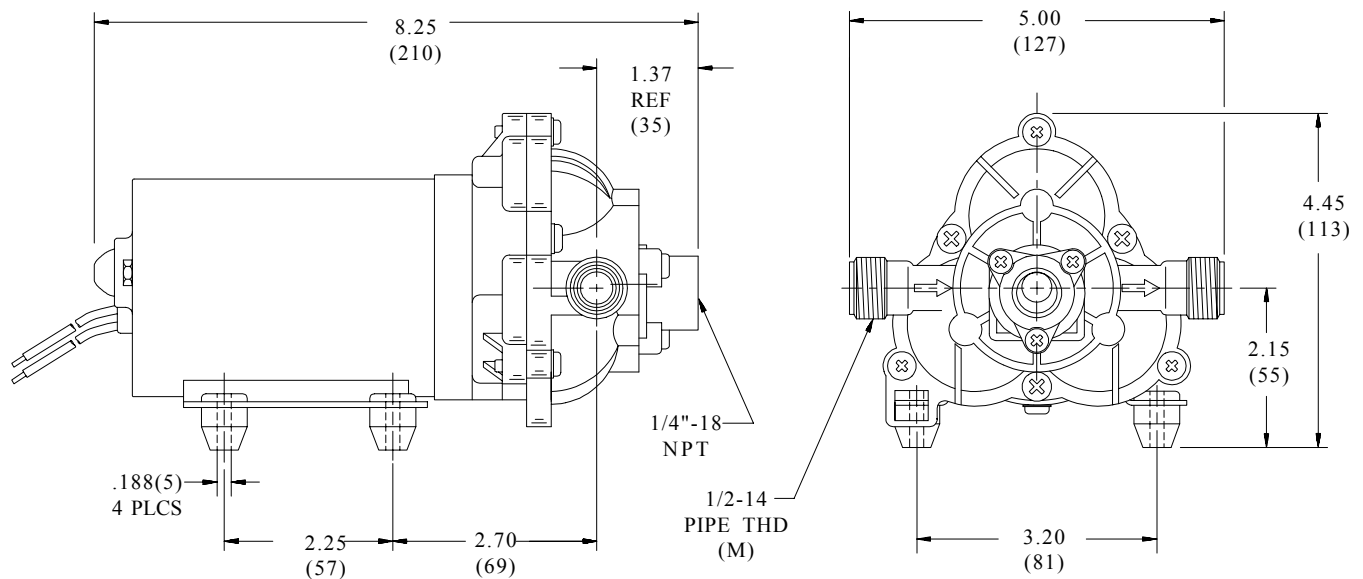
**FASTENERS-** Zinc Plated Steel

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

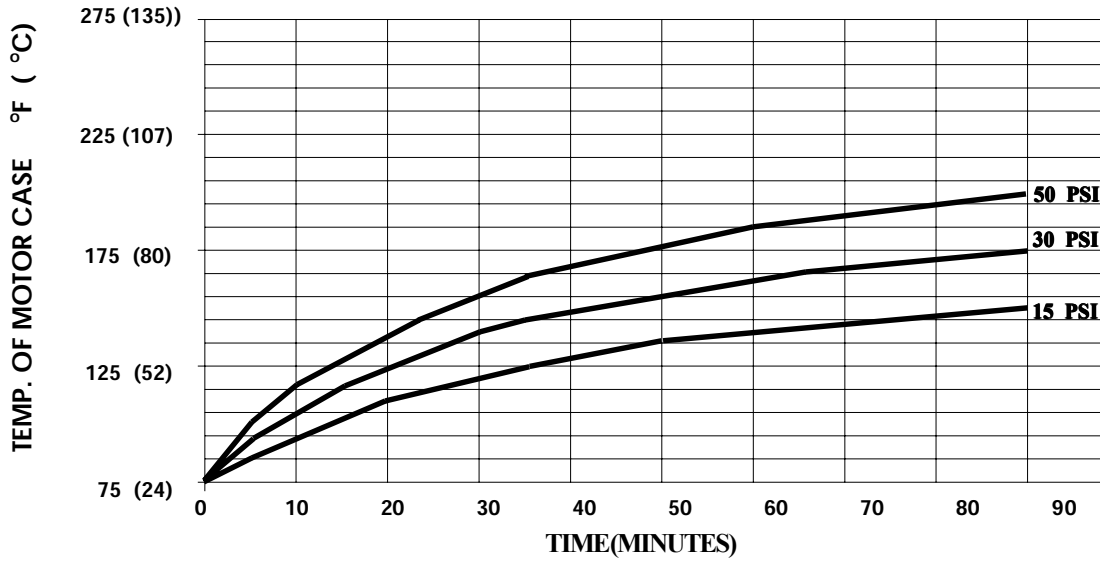
**DUTY CYCLE:** Intermittent (See Temperature Rise Chart)

**TYPICAL APPLICATIONS:** Water Delivery

**DIMENSIONS:**

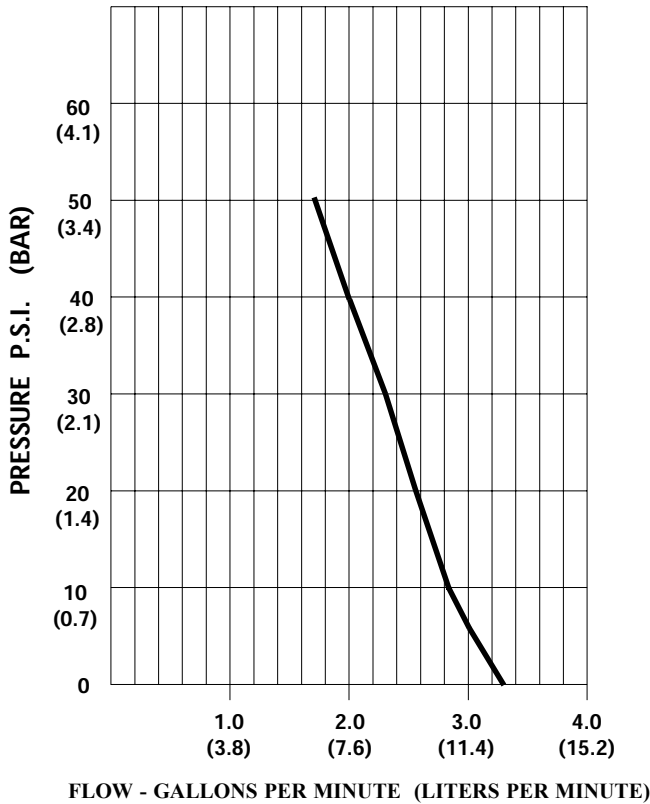


**TEMPERATURE RISE**



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	3.30/12.5	2170/2405	5.0	12 VDC
10	2.79/10.6	2140/2400	5.8	"
20	2.51/9.5	2040/2275	7.1	"
30	2.26/8.6	1960/2135	8.3	"
40	1.99/7.5	1900/2025	9.3	"
50	1.69/6.4	1840/1970	10.1	"

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