

# SHURflo<sup>®</sup>

First in Fluid Innovation

PRODUCT DATA SHEET

MODEL: 2088-344-500

## 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

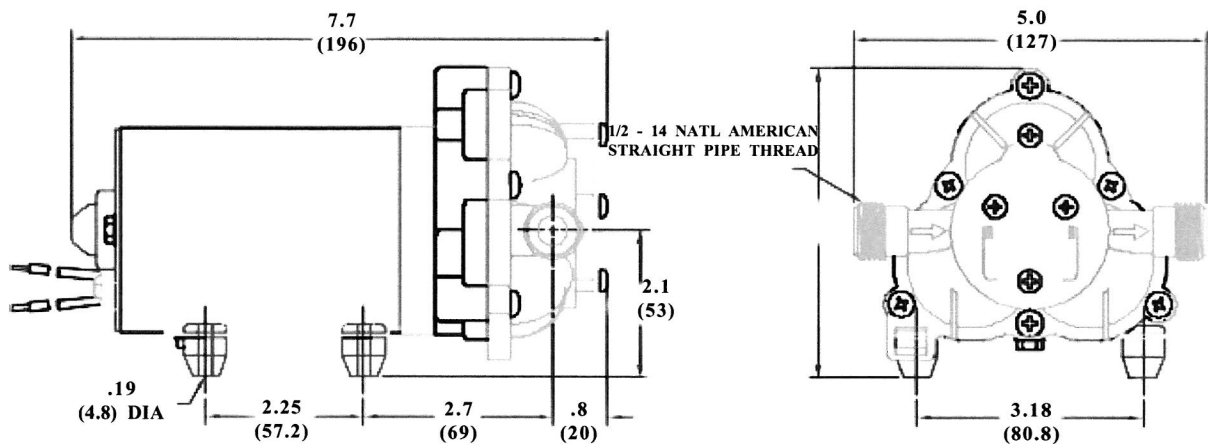
**NET WEIGHT:** 4.1 Lbs (1.86 Kg)

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

**TYPICAL APPLICATIONS:** Agricultural Spraying

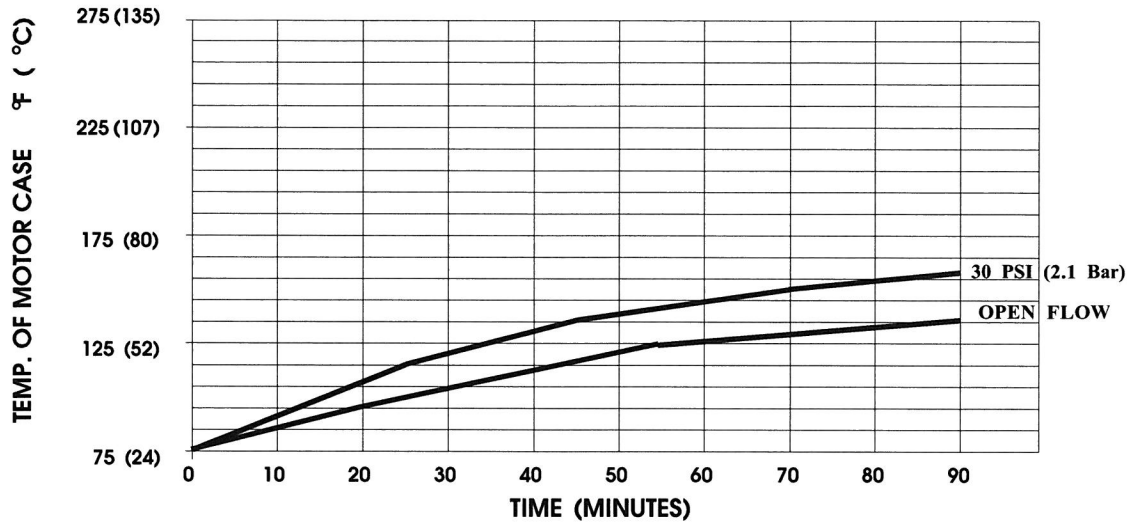
**BYPASS:** 45 PSI Max.

## DIMENSIONS:



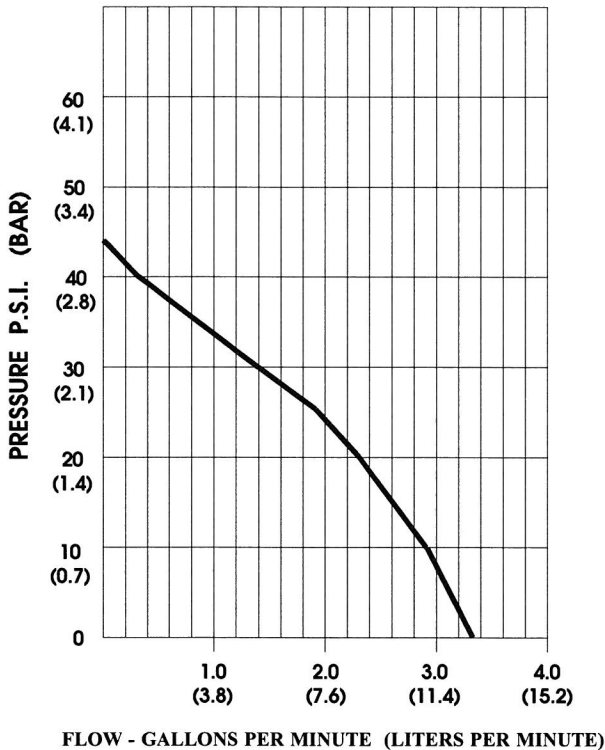
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### TEMPERATURE RISE



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	3.3/12.5	2195/2210	3.5	12 VDC
10	2.9/10.9	2160/2175	5.8	"
20	2.3/8.7	2100/2110	7.1	"
30	1.4/5.3	2065/2100	8.2	"
40	0.6/2.3	1975/1985	9.1	"

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