

## SPECIFICATIONS:

**MODEL NUMBER:** 2088-514-500

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

**CAM:** 3.0 Degree

**MOTOR:** Permanent Magnet, P/N 11-226-06, Thermally Protected

**VOLTAGE:** 12 VDC Nominal

**PRESSURE SWITCH:** None

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

**PRIME:** Self-Priming Up To 10.0 Feet (3.05 Meters) 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

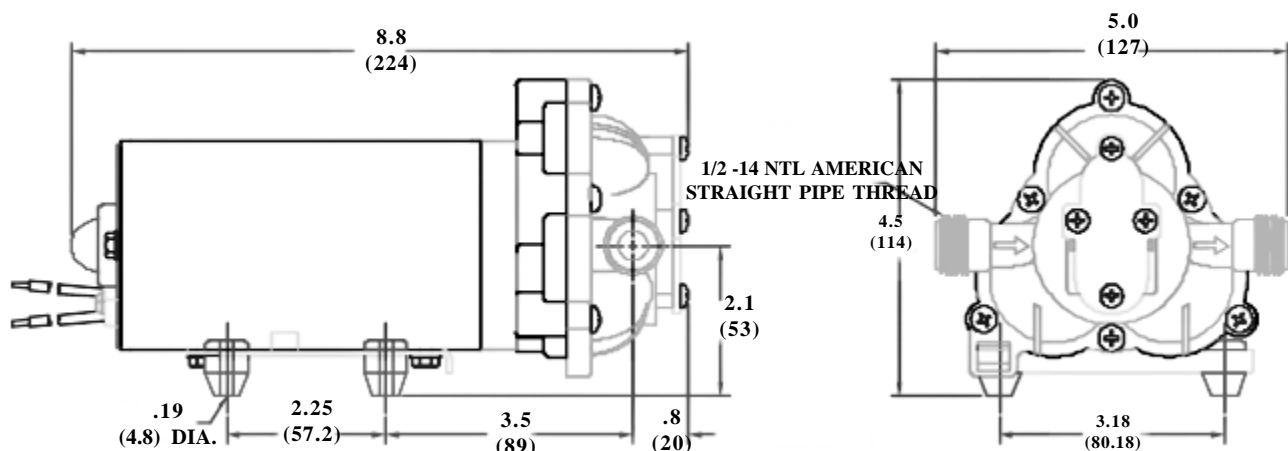
**NET WEIGHT:** 4.7 Lbs (2.13 Kg)

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

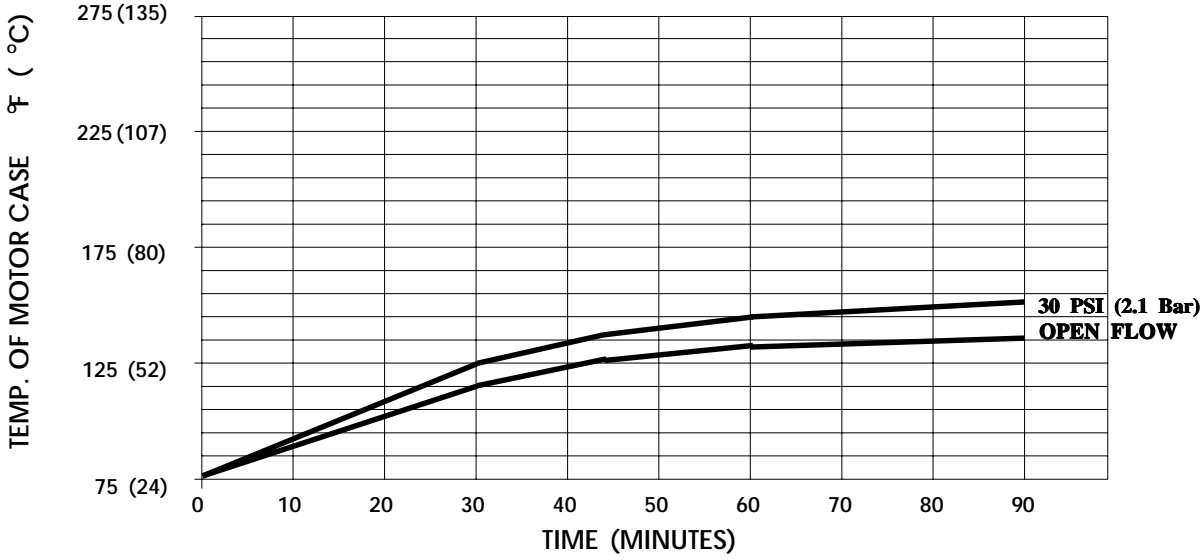
**TYPICAL APPLICATIONS:** Agricultural Spraying

**BYPASS:** 55 PSI Max.

## DIMENSIONS:

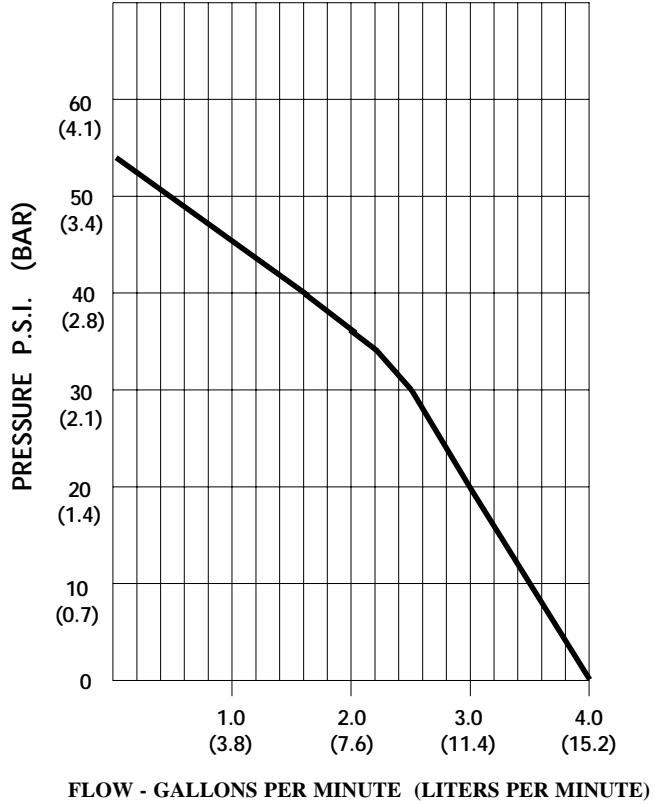


**TEMPERATURE RISE**



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. THE THERMAL BREAKER WILL OPEN WHEN THE CASE TEMPERATURE REACHES 290° F.

**TYPICAL PERFORMANCE**



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	4.0/15.1	2600/2640	5.5	12 VDC
10	3.5/13.2	2580/2615	8.0	"
20	3.2/12.1	2480/2530	9.5	"
30	2.5/9.5	2425/2480	11.0	"
40	1.6/6.1	2390/2410	11.6	"
50	0.6/2.3	2350/2380	13.0	"

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