

**SPECIFICATIONS:**

**MODEL NUMBER:** 2088-394-154

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

**CHECK VALVE:** (1-Way Operation) Prevents Reverse Flow

**CAM:** 3.0 Degree

**MOTOR:** Permanent Magnet, P/N 11-150-10, Thermally Protected

**VOLTAGE:** 115 VAC Nominal

**PRESSURE SWITCH:** Factory Set @ 45 PSI Shut-Off, Turn On  $25 \pm 5$  PSI

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

**PRIME:** Self-Priming Up To 9.0 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-** Viton (Switch), Santoprene (Main)

**FASTENERS-** Zinc Plated Steel

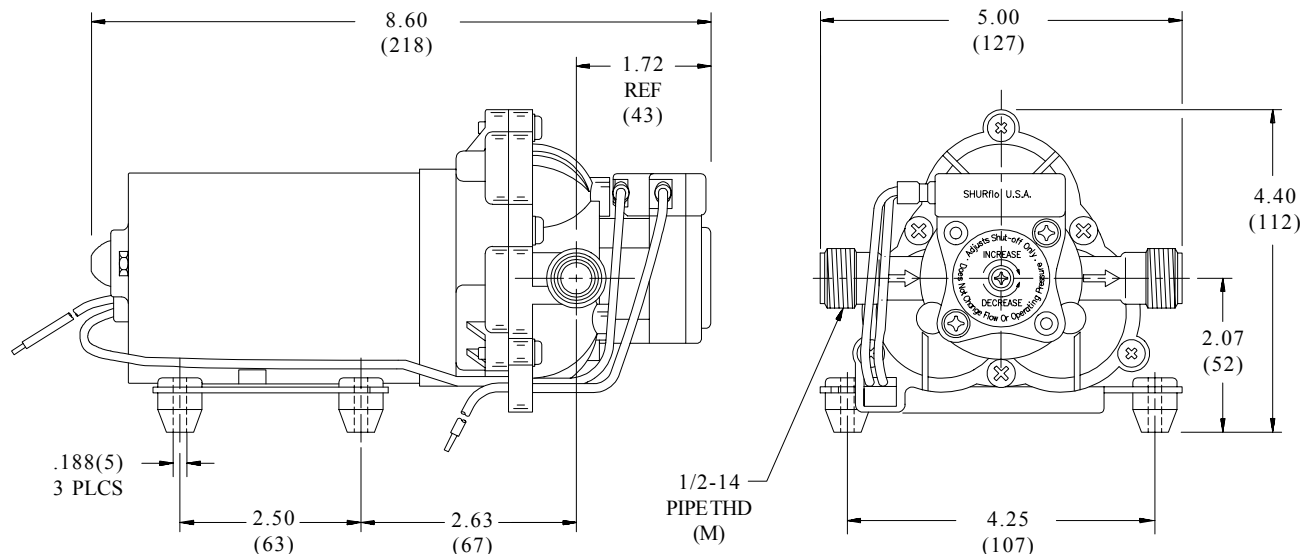
**NET WEIGHT:** 5.2 Lbs (2.36 Kg)

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

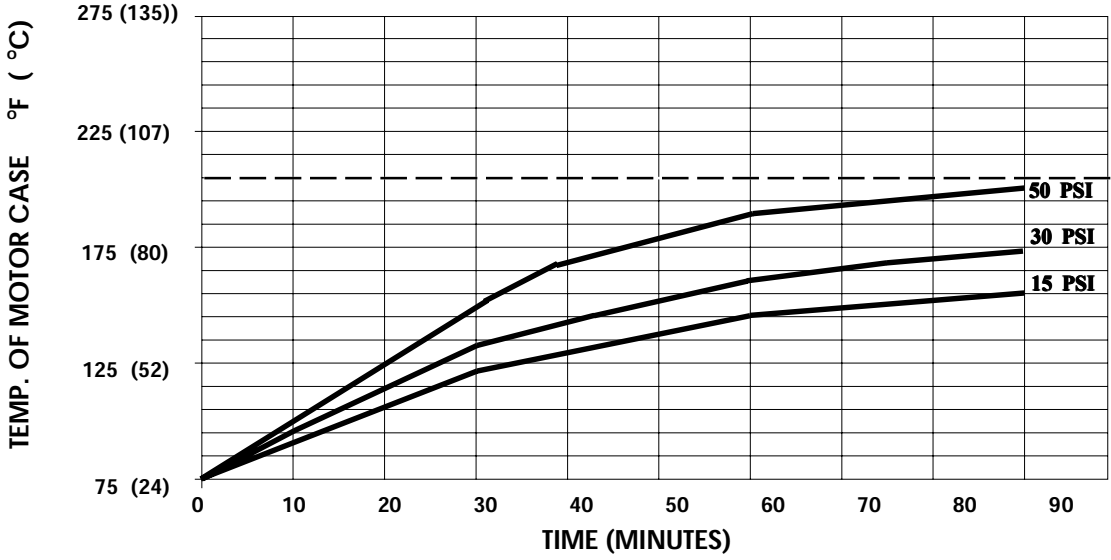
**TYPICAL APPLICATIONS:** Agricultural Spraying

**APPROVALS:** UL Recognized Component

**DIMENSIONS:**



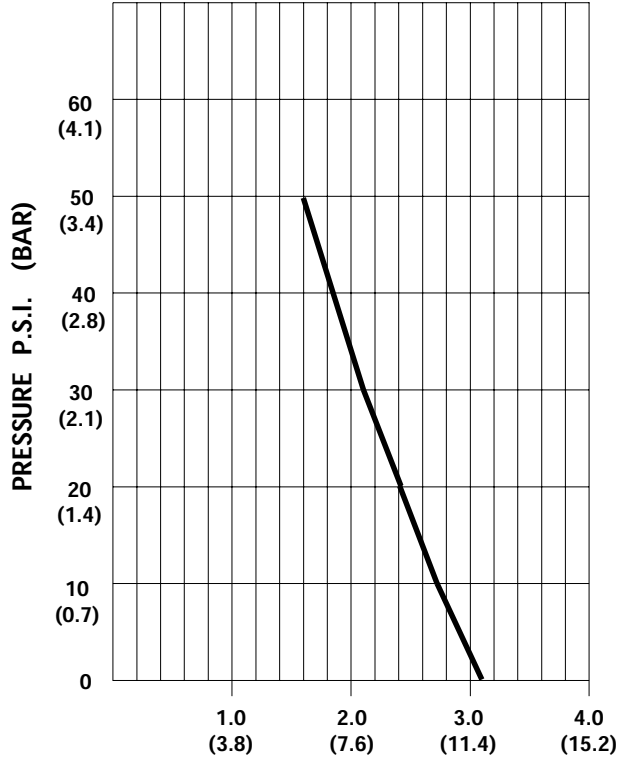
**TEMPERATURE RISE**



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 200 ° F.

[----- TRIP POINT OF THERMAL PROTECTOR]

**TYPICAL PERFORMANCE**



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	3.20/12.1	1940/1945	.61	115 VAC
10	2.71/10.2	1850/1860	.65	"
20	2.41/9.1	1725/1735	.77	"
30	2.10/8.0	1630/1640	.89	"
40	1.84/7.0	1525/1560	.98	"
50	1.59/6.0	1525/1560	1.04	"

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