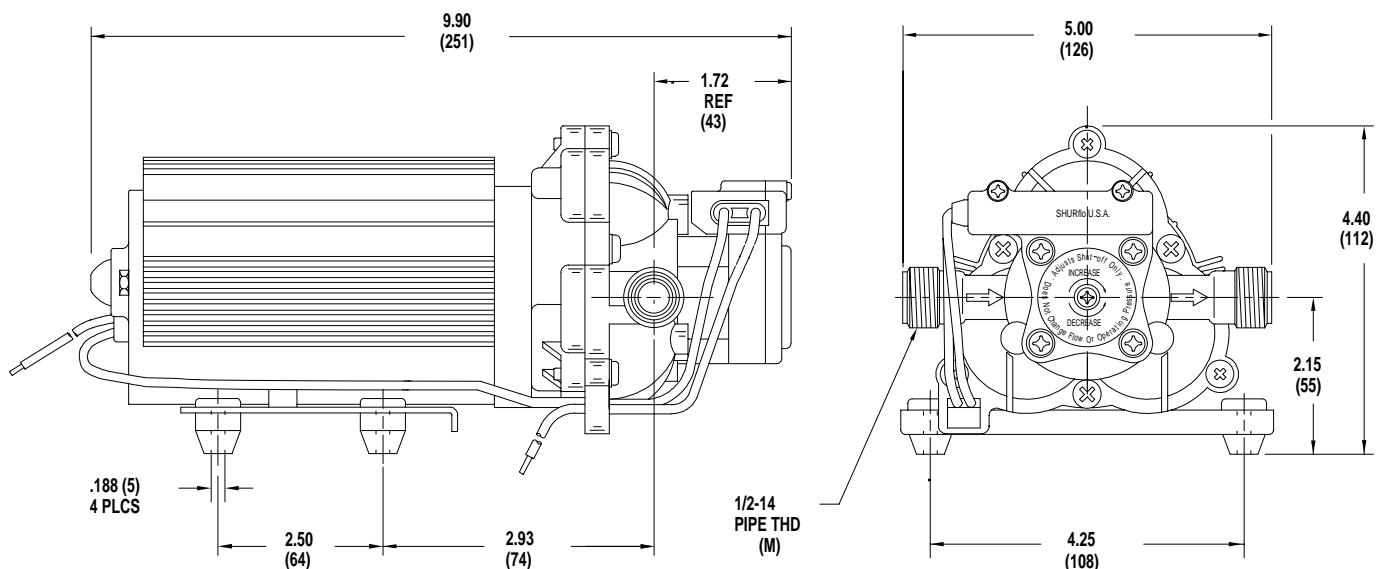
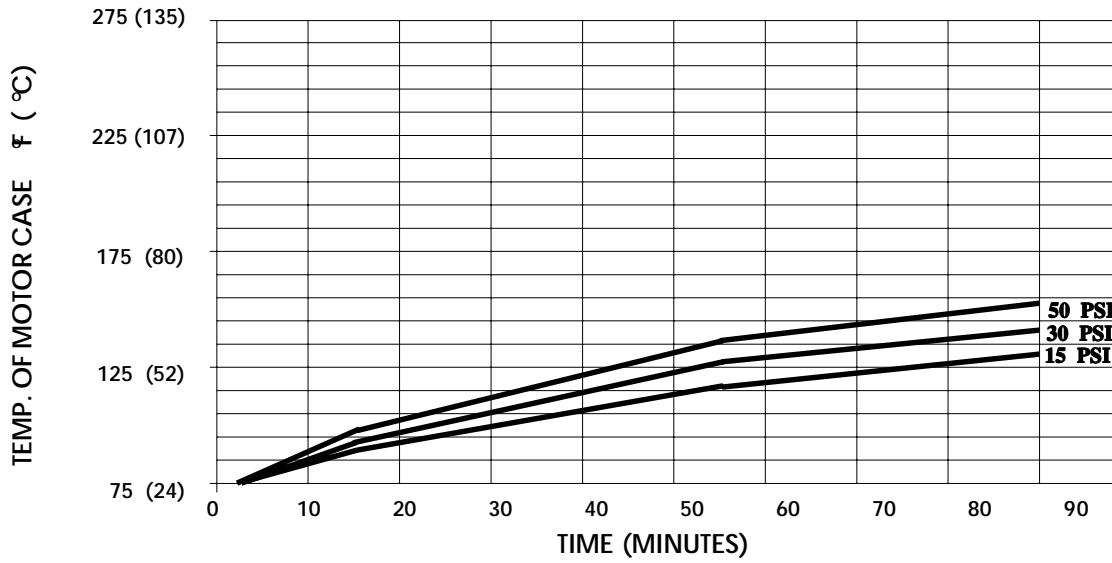


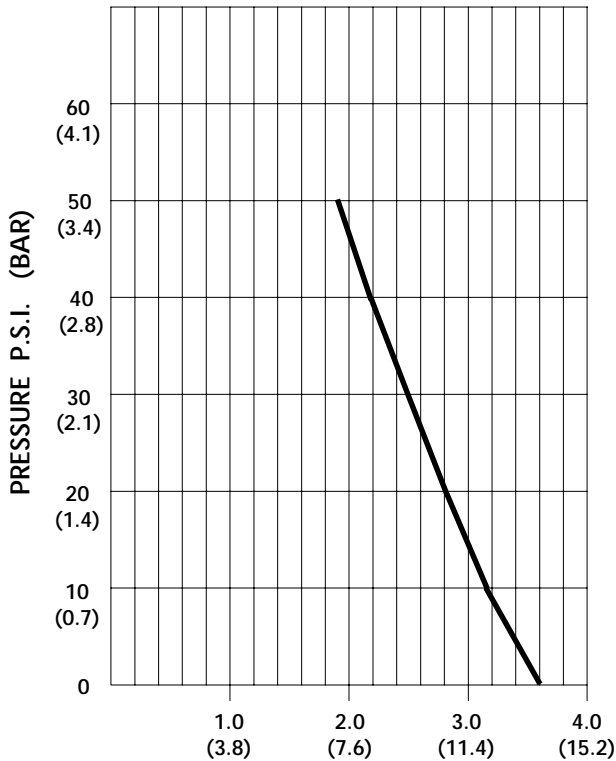
**SHURflo**<sup>®</sup>*First in Fluid Innovation***PRODUCT DATA SHEET****MODEL: 2088-313-145****SPECIFICATIONS:****MODEL NUMBER:** 2088-313-145**PUMP DESIGN:** Positive Displacement 3 Chamber Diaphragm Pump**CHECK VALVE:** (1-Way Operation) Prevents Reverse Flow**CAM:** 3.0 Degree**MOTOR:** Permanent Magnet, P/N 11-185-06, Thermally Protected**VOLTAGE:** 12 VDC Nominal**PRESSURE SWITCH:** Adjustable from 30 to 50 PSI. Factory Set @ 45 PSI Shut-Off,  
Turn On 25 PSI  $\pm$  5 PSI**LIQUID TEMPERATURE:** 170 Degrees Fahrenheit (77 Degrees Centigrade) Max.**PRIME:** Self-Priming Up To 8.0 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-** Santoprene**FASTENERS-** Stainless Steel**NET WEIGHT:** 6.8 Lbs (3.1 Kg)**DUTY CYCLE:** Continuous (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 70° F IN STILL AIR. THE THERMAL BREAKER WILL OPEN WHEN THE CASE TEMPERATURE REACHES 280° F.

### TYPICAL PERFORMANCE



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	<b>3.60/13.6</b>	<b>2185/2300</b>	<b>6.1</b>	<b>12VDC</b>
10	<b>3.09/11.7</b>	<b>2160/2290</b>	<b>6.4</b>	"
20	<b>2.82/10.7</b>	<b>2125/2215</b>	<b>7.6</b>	"
30	<b>2.49/9.4</b>	<b>2095/2140</b>	<b>8.7</b>	"
40	<b>2.15/8.1</b>	<b>2080/2085</b>	<b>9.5</b>	"
50	<b>1.90/7.2</b>	<b>2060/2070</b>	<b>10.1</b>	"

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

For technical advice or service please take your pump into your local pump service center.

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