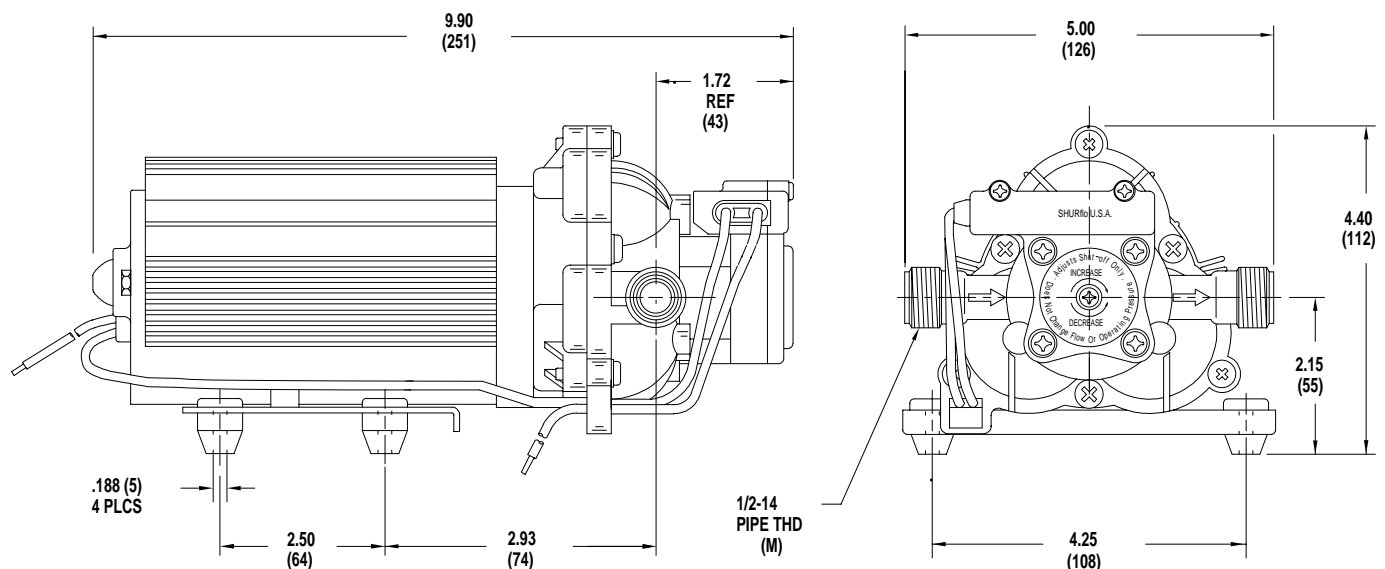
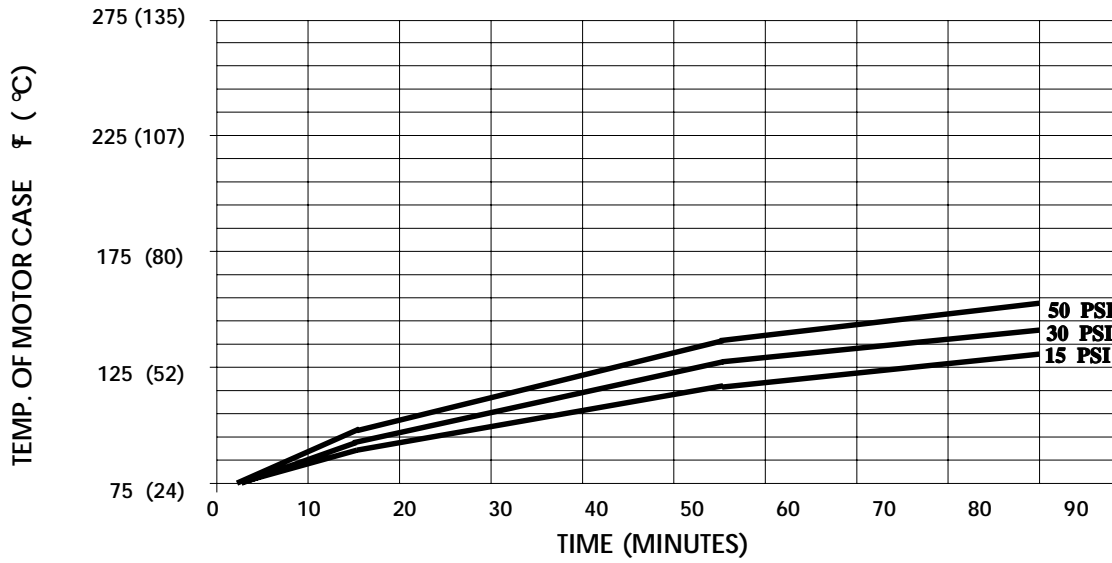


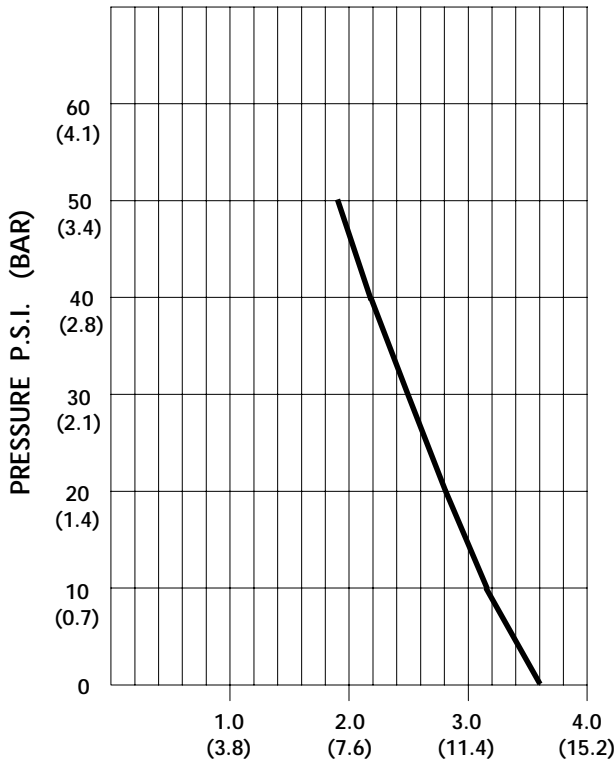
SHURflo[®]*First in Fluid Innovation***PRODUCT DATA SHEET****MODEL: 2088-313-145****SPECIFICATIONS:****MODEL NUMBER:** 2088-313-145**PUMP DESIGN:** Positive Displacement 3 Chamber Diaphragm Pump**CHECK VALVE:** (1-Way Operation) Prevents Reverse Flow**CAM:** 3.0 Degree**MOTOR:** Permanent Magnet, P/N 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	3.60/13.6	2185/2300	6.1	12VDC
10	3.09/11.7	2160/2290	6.4	"
20	2.82/10.7	2125/2215	7.6	"
30	2.49/9.4	2095/2140	8.7	"
40	2.15/8.1	2080/2085	9.5	"
50	1.90/7.2	2060/2070	10.1	"

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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