

### SPECIFICATIONS:

**MODEL NUMBER:** 8005-913-289

**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:** Adjustable Shut-Off (Range 80-100 PSI)

Factory Set @ 95 PSI, Turn On 75 PSI  $\pm 5$  PSI

**LIQUID TEMPERATURE:** 180 Degrees Fahrenheit (82 Degrees Centigrade) Max.

**PRIME:** Self-Priming Up To 12 Ft. Vertical,  
Max. Inlet Pressure 30 PSI (2.1 Bar)

**PORTS:** 3/8"-18 NPT Female

**MATERIAL OF CONSTRUCTION:**

**PLASTICS-** Nylon

**VALVES-** EPDM

**DIAPHRAGM-** Santoprene

**FASTENERS-** Zinc Plated Steel

**NET WEIGHT:** 4.9 Lbs (2.22 Kg)

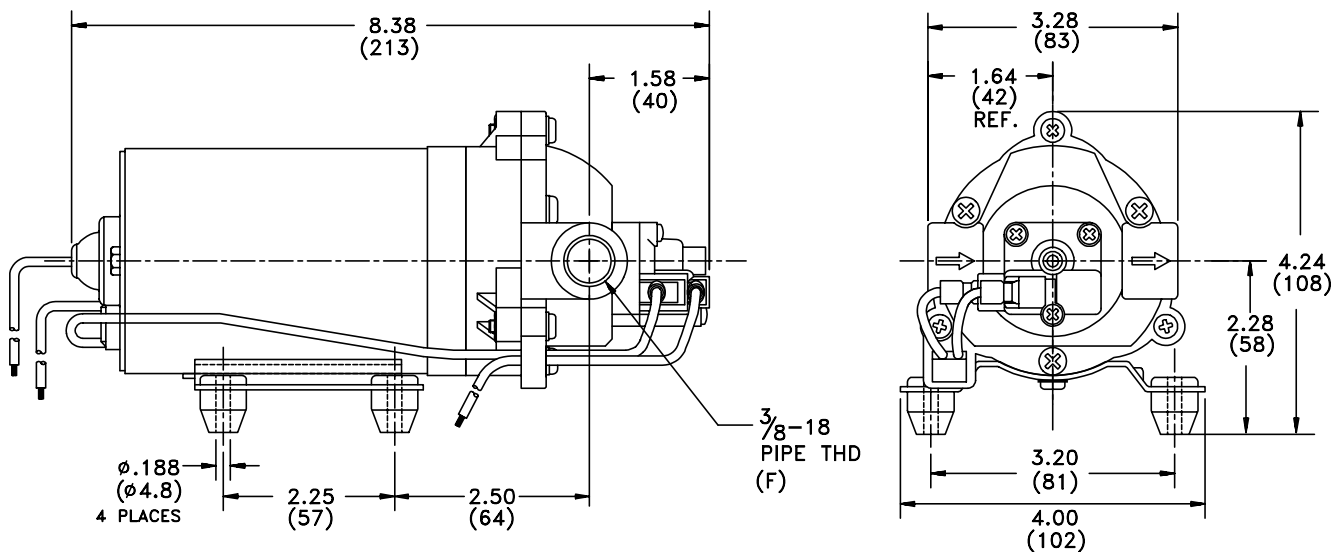
**DUTY CYCLE:** Intermittent (See Temperature Rise Chart)

**APPROVALS:** NSF Listed, UL/CSA Recognized Component

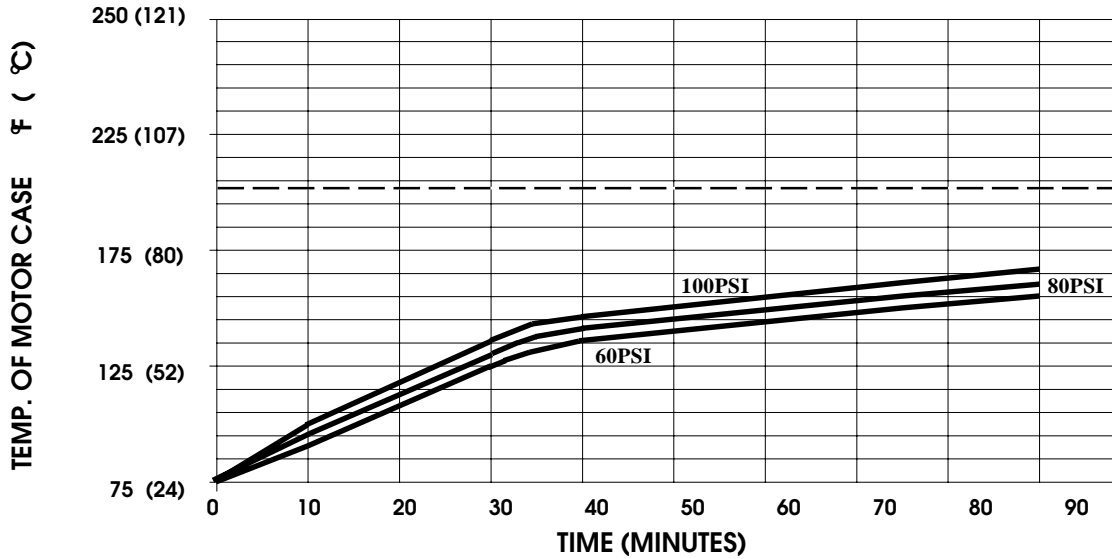
**TYPICAL APPLICATIONS:** Water Delivery

**BYPASS:** 80 PSI

### DIMENSIONS:



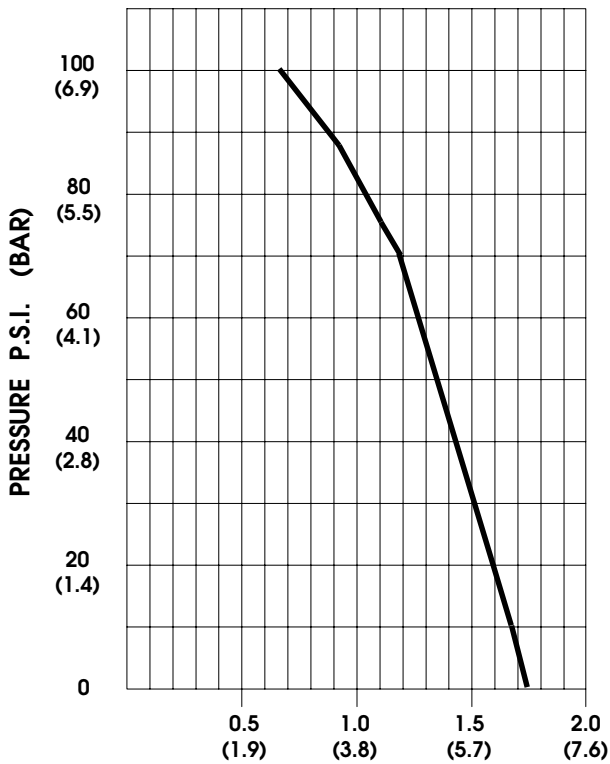
**TEMPERATURE RISE**



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 203° F.

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

**TYPICAL PERFORMANCE**



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	1.72/6.5	2335/2400	0.44	115VAC
10	1.65/6.2	2265/2310	0.45	"
20	1.58/6.0	2180/2215	0.49	"
30	1.49/5.6	2105/2145	0.57	"
40	1.42/5.4	2040/2065	0.63	"
50	1.35/5.1	1975/2005	0.68	"
60	1.27/4.8	1905/1925	0.72	"
70	1.18/9.4	1850/1860	0.78	"
80	1.05/4.0	1795/1800	0.82	"
90	0.77/2.9	1745/1750	0.87	"
100	0.64/2.4	1720/1735	0.91	"

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)

*-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.*

*-ALL DATA BASED ON TESTING WITH WATER AT AMBIENT TEMPERATURE.*