

## SPECIFICATIONS:

**MODEL NUMBER:** 8000-912-288

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

**CHECK VALVE:** (2-Way Op.) Prevents Reverse Flow and 6 Ft. Head Forward Flow

**CAM:** 2.5 Degree

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

**VOLTAGE:** 115 VAC Nominal

**PRESSURE SWITCH:** Adjustable Shut-Off (Range 85-105 PSI)

Factory Set @105 PSI, Turn On 85 PSI  $\pm 5$  PSI

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

**PRIME:** Self-Priming Up To 6.5 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 or Cad Plated Steel

**NET WEIGHT:** 4.9 Lbs (2.2 Kg)

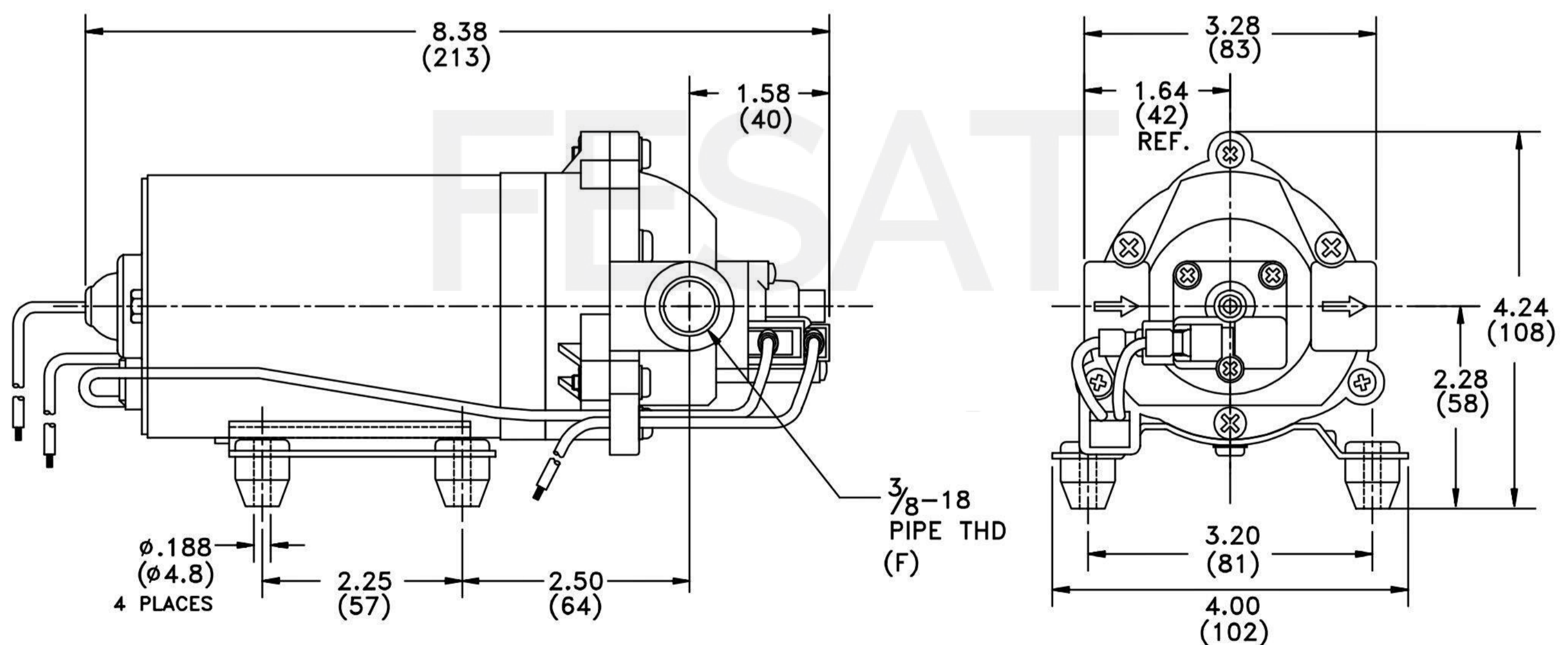
**DUTY CYCLE:** Intermittent (See Temperature Rise Chart)

**APPROVALS:** UL/CSA Recognized

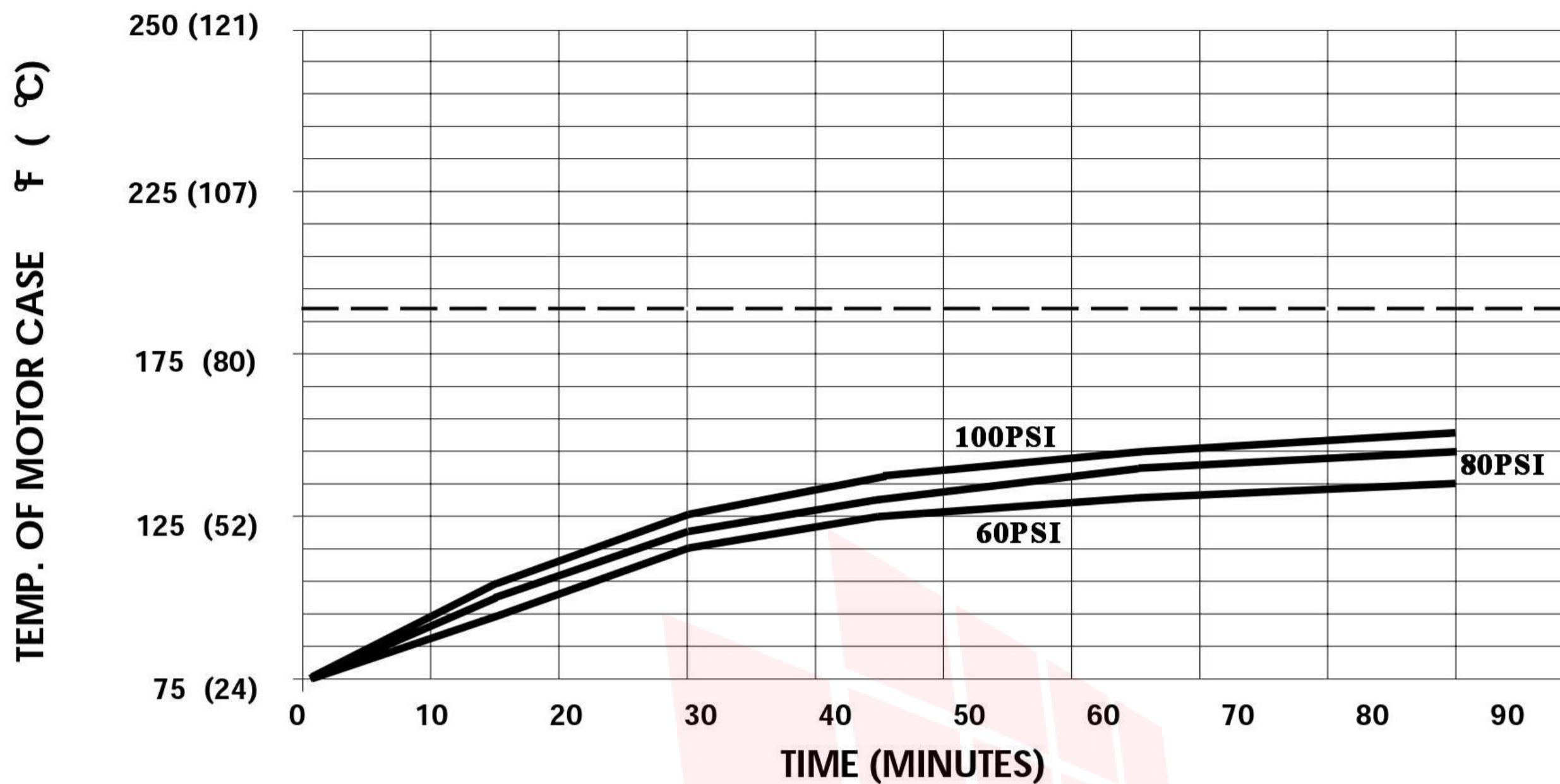
**TYPICAL APPLICATIONS:** Soil Extraction

**BYPASS:** 80 PSI

## DIMENSIONS:



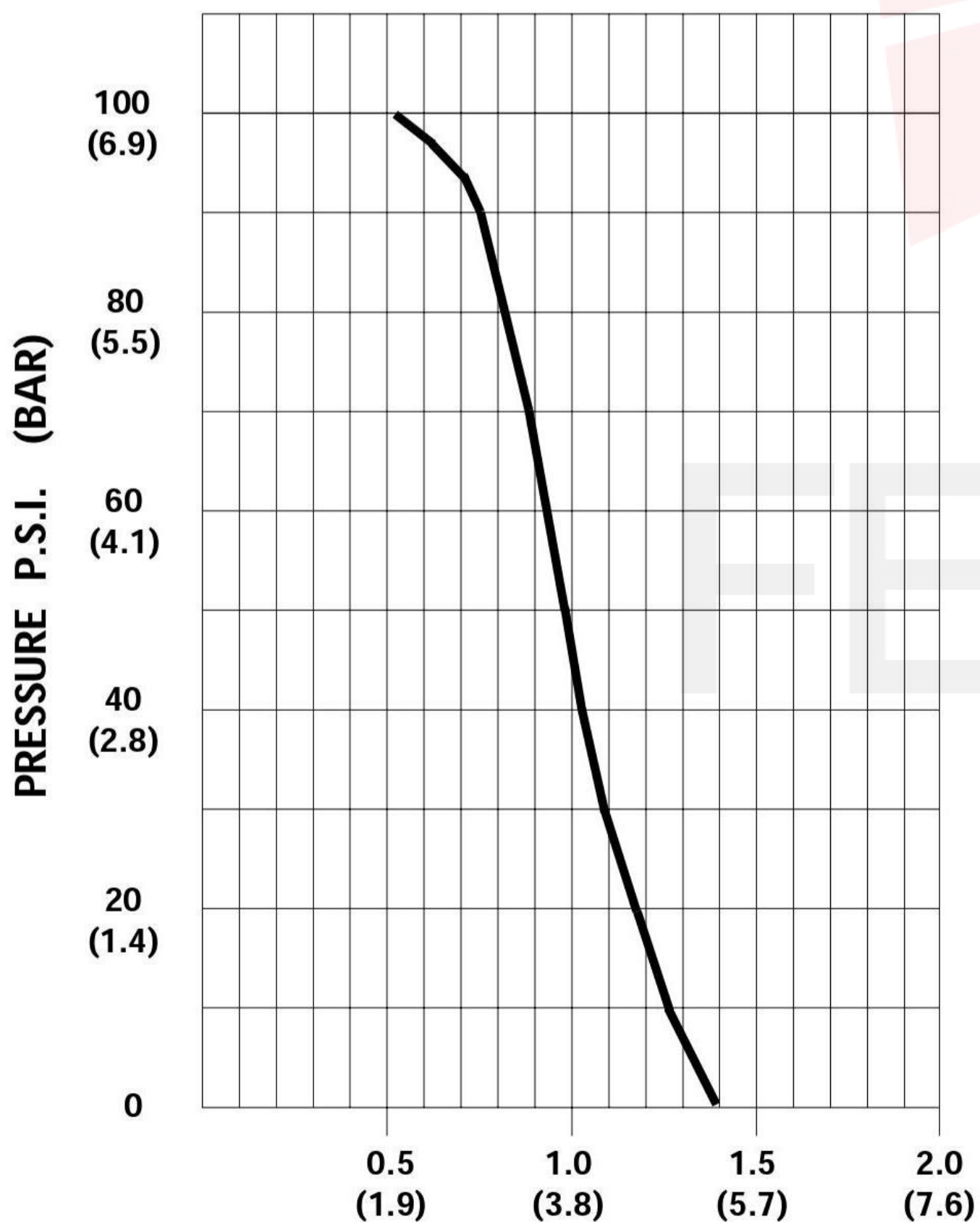
### TEMPERATURE RISE



THIS GRAPH IS FOR USE AS A DESIGN GUIDE. IT IS BASED ON RUNNING CONTINUOUSLY WITH AN AMBIENT TEMPERATURE OF 70° F IN STILL AIR. THE THERMAL BREAKER WILL OPEN WHEN THE CASE TEMPERATURE REACHES 190° F.

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

### TYPICAL PERFORMANCE



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	1.40/5.3	2195/2290	0.31	115 VAC
10	1.26/4.8	2185/2215	0.36	"
20	1.19/4.5	2100/2160	0.41	"
30	1.12/4.2	2035/2100	0.45	"
40	1.04/3.9	1975/2050	0.49	"
50	0.95/3.6	1940/2000	0.53	"
60	0.93/3.5	1890/1950	0.56	"
70	0.89/3.4	1850/1915	0.60	"
80	0.84/3.2	1805/1875	0.63	"
90	0.74/2.8	1775/1850	0.65	"
100	0.51/1.9	1735/1810	0.68	"

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)