

SPECIFICATIONS:

MODEL NUMBER: 8000-813-288

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 @ 100 PSI, Turn On 85 PSI ± 5 PSI

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

PRIME: Self-Priming Up To 12.0 Ft. Vertical,
Max. Inlet Pressure 30 PSI (2.1 Bar)

PORTS: 3/8"-18 NPT, Female

MATERIAL OF CONSTRUCTION:

PLASTICS- Nylon

VALVES- Viton

DIAPHRAGM- Santoprene

FASTENERS- Zinc Plated Steel

NET WEIGHT: 4.9 Lbs (2.2 Kg)

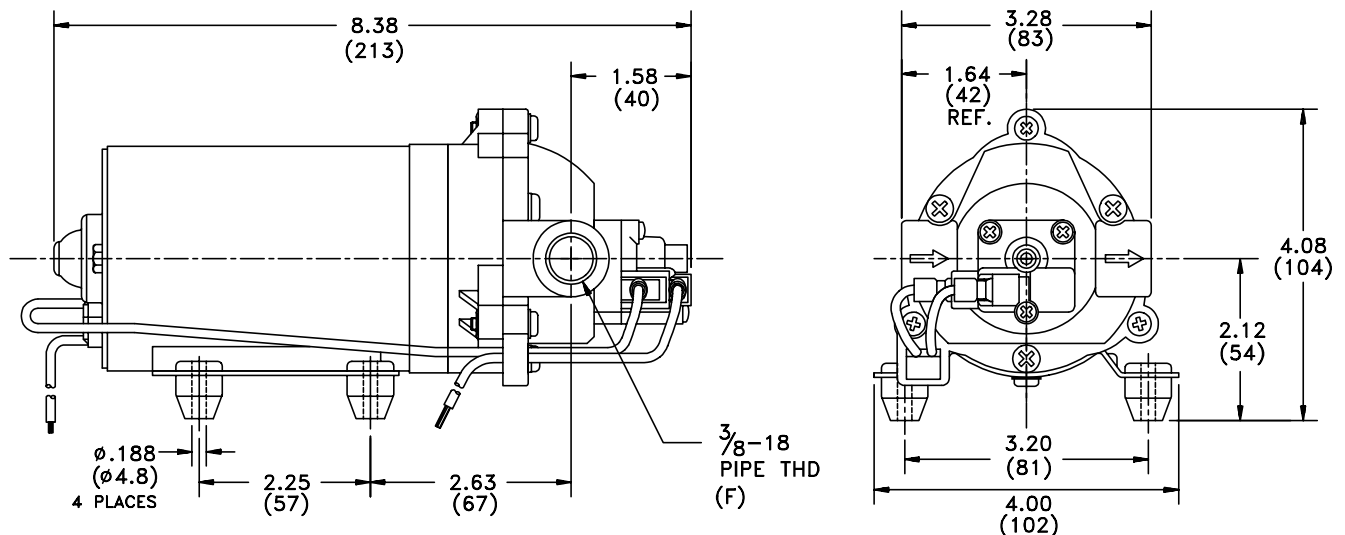
DUTY CYCLE: Intermittent (See Temperature Rise Chart)

APPROVALS: UL/CSA Recognized

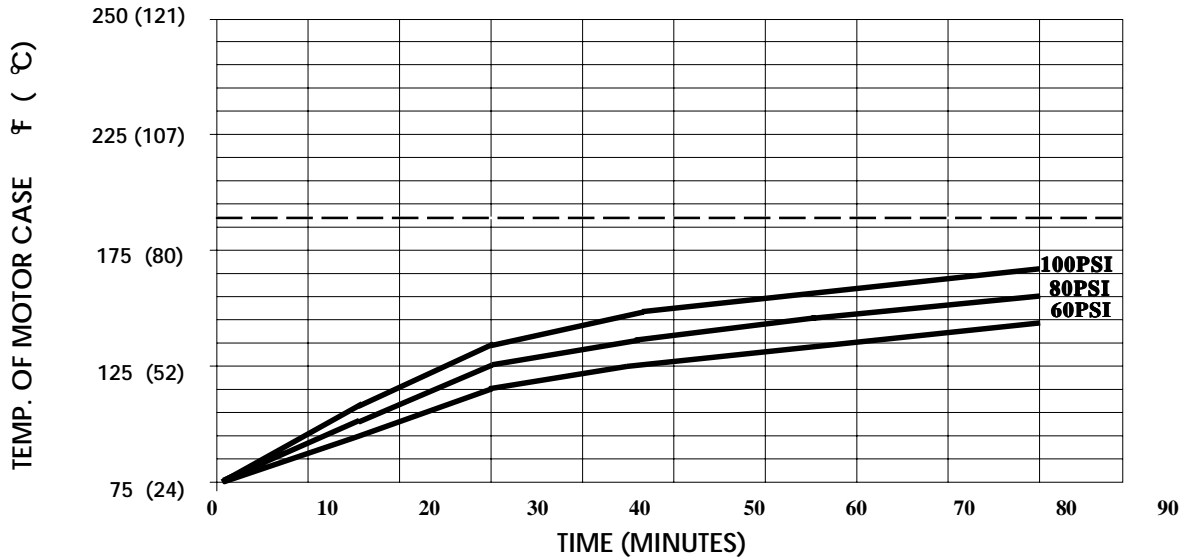
TYPICAL APPLICATIONS: Soil Extraction

BYPASS: 80 PSI

DIMENSIONS:



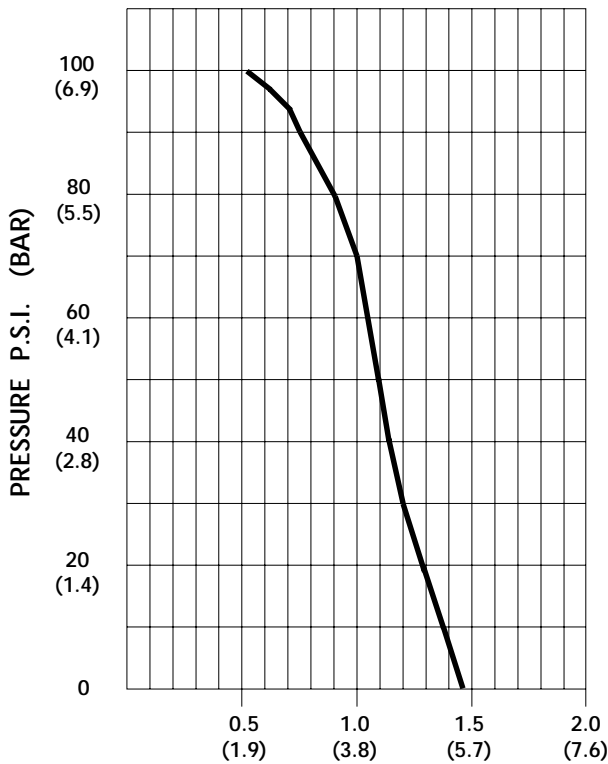
TEMPERATURE RISE



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	1.45/5.5	2150/2190	0.32	115 VAC
10	1.38/5.2	2060/2110	0.37	"
20	1.29/4.9	1990/2020	0.43	"
30	1.22/4.6	1925/1940	0.48	"
40	1.16/4.4	1860/1875	0.53	"
50	1.10/4.2	1810/1815	0.58	"
60	1.05/4.0	1770/1760	0.63	"
70	0.97/3.7	1715/1725	0.68	"
80	0.90/3.4	1655/1685	0.73	"
90	0.75/2.8	1615/1630	0.76	"
100	0.50/1.9	1575/1590	0.82	"

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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