

MODEL: 8090-212-246

SPECIFICATIONS:

MODEL NUMBER: 8090-212-246

PUMP DESIGN: Positive Displacement 3 Chamber Diaphragm Pump

CHECK VALVE: (2-Way Operation) Prevents Reverse Flow & 6 Ft. Head Forward Flow

CAM: 2.5 Degree

MOTOR: Permanent Magnet, P/N 11-160-00, Thermally Protected

VOLTAGE: 230 VAC Nominal

PRESSURE SWITCH: Adjustable Shut-Off (Range 40-60 PSI)

Factory Set @ 60 PSI, Turn On 45 PSI \pm 5 PSI

LIQUID TEMPERATURE: 170 Degrees Fahrenheit (77 Degrees Centigrade) Max.

PRIME: Self-Priming Up To 7 Ft. Vertical,
Max. Inlet Pressure 30 PSI (2.1 Bar)

PORTS: 3/8"-18 NPT Female

MATERIAL OF CONSTRUCTION:

PLASTICS- Polypropylene

VALVES- EPDM

DIAPHRAGM- Santoprene

FASTENERS- Zinc Plated Steel

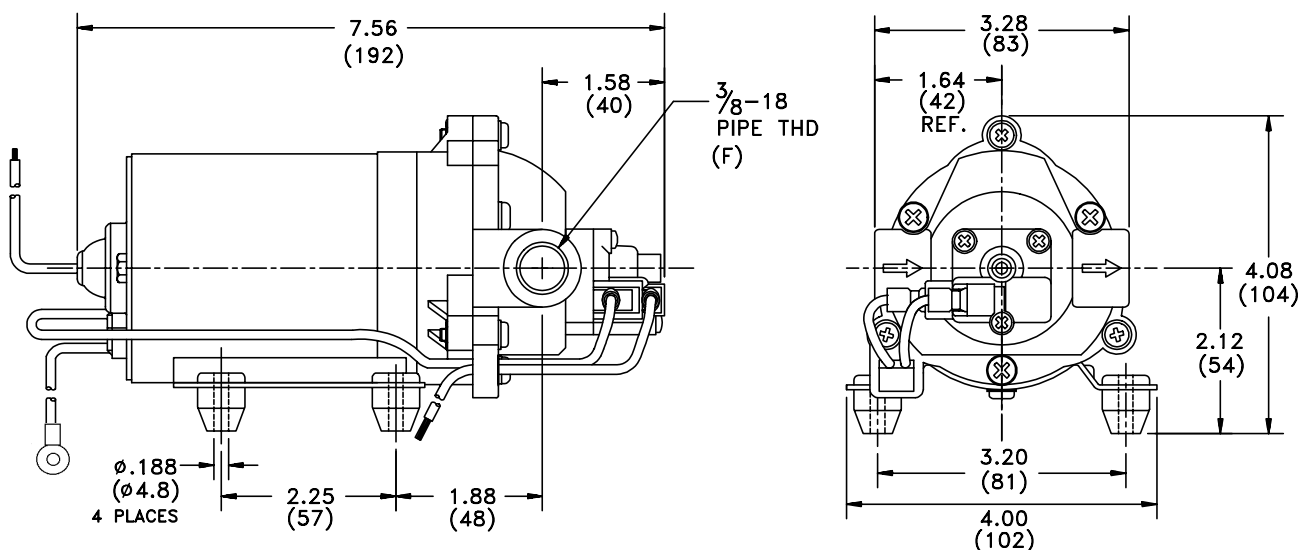
NET WEIGHT: 3.85 Lbs (1.75 Kg)

DUTY CYCLE: Intermittent (See Temperature Rise Chart)

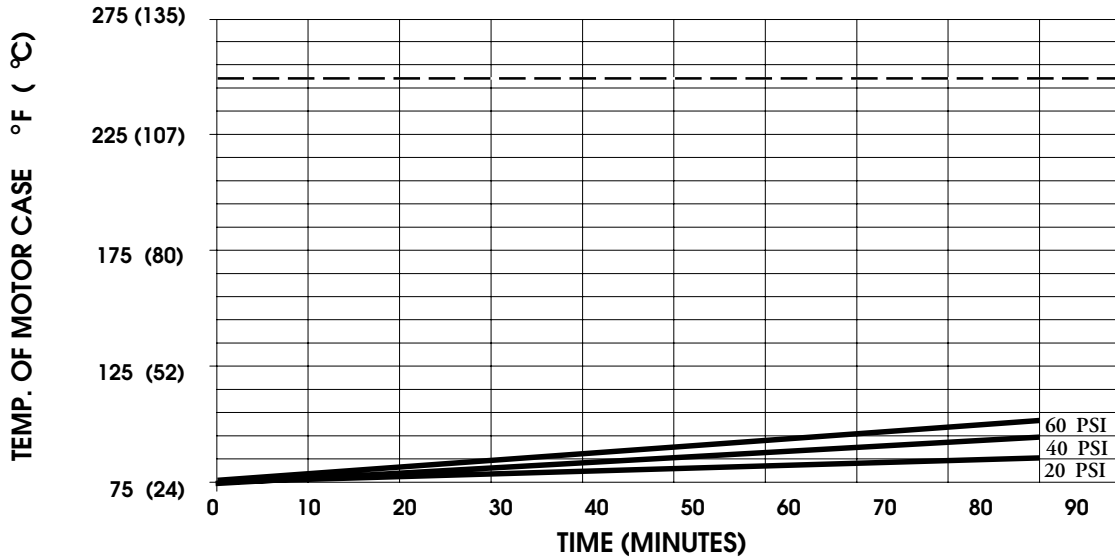
TYPICAL APPLICATIONS: Soil Extraction

APPROVALS: VDE Approved

DIMENSIONS:



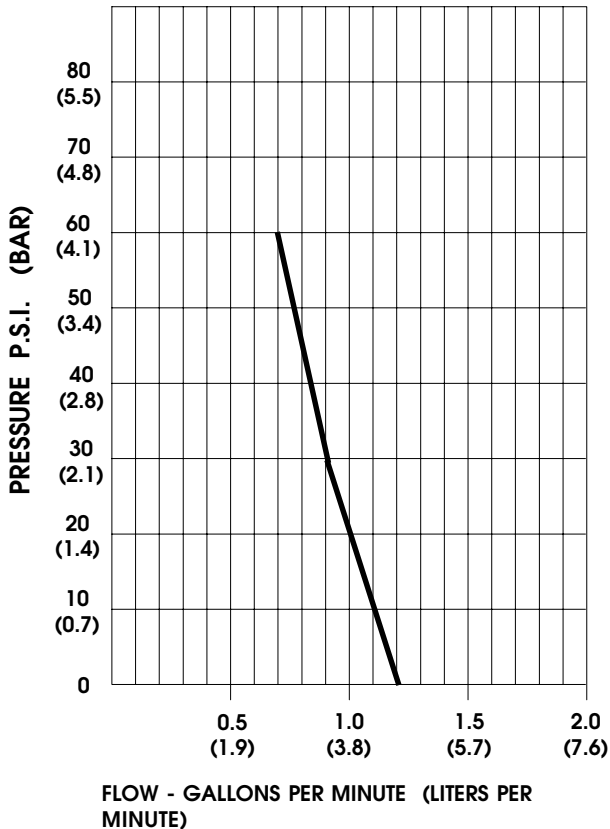
TEMPERATURE RISE



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 250°F.

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

TYPICAL PERFORMANCE



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	1.22/4.6	2330/2370	.12	230 VAC
10	1.08/4.1	2205/2251	.14	"
20	0.97/3.7	2080/2140	.17	"
30	0.90/3.4	1967/2040	.19	"
40	0.84/3.2	1880/1955	.21	"
50	0.77/2.9	1795/1870	.23	"
60	0.72/2.7	1720/1795	.24	"

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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