

SPECIFICATIONS:

MODEL NUMBER: 8090-111-236

PUMP DESIGN: Positive Displacement 3 Chamber Diaphragm Pump

CAM: 2.0 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 6 Ft. Vertical,
Max. Inlet Pressure 30 PSI (2.1 Bar)

PORTS: 3/8"-18 NPT Female

MATERIAL OF CONSTRUCTION:

PLASTICS- Polypropylene

VALVES- Buna-n

DIAPHRAGM- Geolast (Main), Buna-n (Switch)

FASTENERS- Zinc Plated Steel

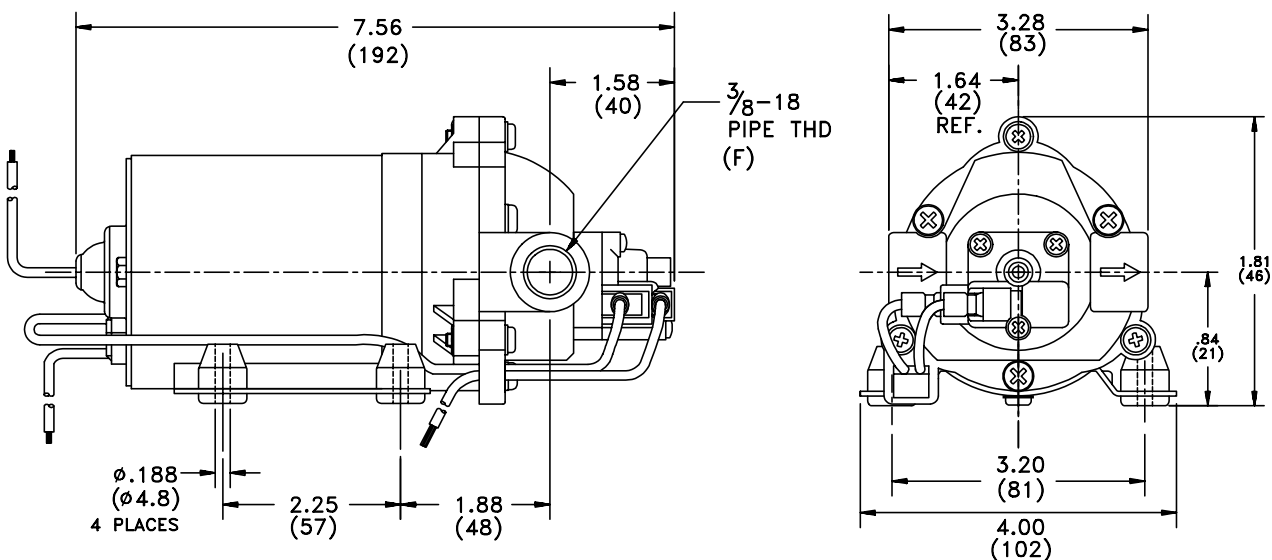
NET WEIGHT: 3.85 Lbs (1.75 Kg)

DUTY CYCLE: Intermittent (See Temperature Rise Chart)

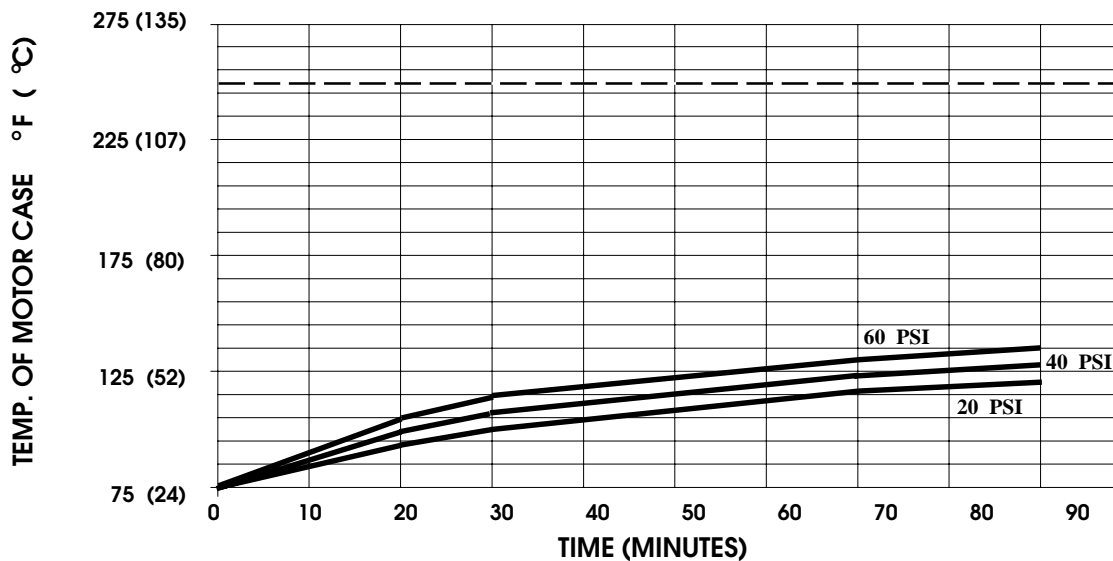
TYPICAL APPLICATIONS: Soil Extraction

BYPASS: 80 PSI Max.

APPROVALS: VDE Approved

DIMENSIONS:


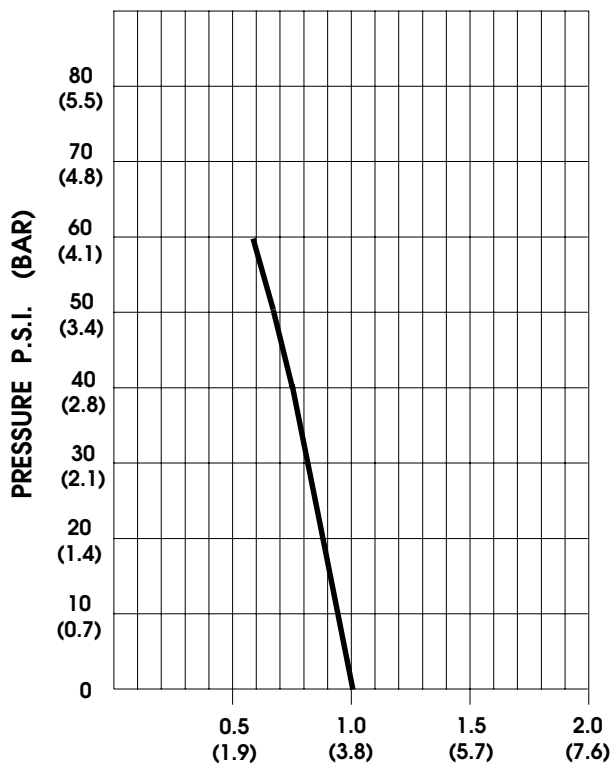
TEMPERATURE RISE



THIS GRAPH IS FOR USE AS A DESIGN GUIDE. IT IS BASED ON RUNNING CONTINUOUSLY WITH AN AMBIENT TEMPERATURE OF 75°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	1.00/3.8	2510/2570	.10	230 VAC
10	0.94/3.5	2425/2475	.12	"
20	0.88/3.3	2300/2350	.14	"
30	0.88/3.0	2220/2255	.16	"
40	0.74/2.8	2120/2160	.18	"
50	0.67/3.8	2050/2100	.19	"
60	0.58/1.5	2010/2035	.21	"

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)

*-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
-ALL DATA BASED ON TESTING WITH WATER AT AMBIENT TEMPERATURE.*

To order pumps or parts from this sheet, please call our Order Desk at 1-888-279-8384 or Fax : 941-827-9741.

For technical advice or service please take your pump into your local pump service center.

To ship your pump in for repair please call Phone : 1-888-279-8384 or Fax : 941-827-9741

For more information or pricing please go to the following links :

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