

**SPECIFICATIONS:**

**MODEL NUMBER:** 8000-713-238

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

**CHECK VALVE:** (2-Way Op.) Prevents Reverse Flow & 6 Ft. Head Forward 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  $\pm 5$  PSI

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

**PRIME:** Self-Priming Up To 11 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

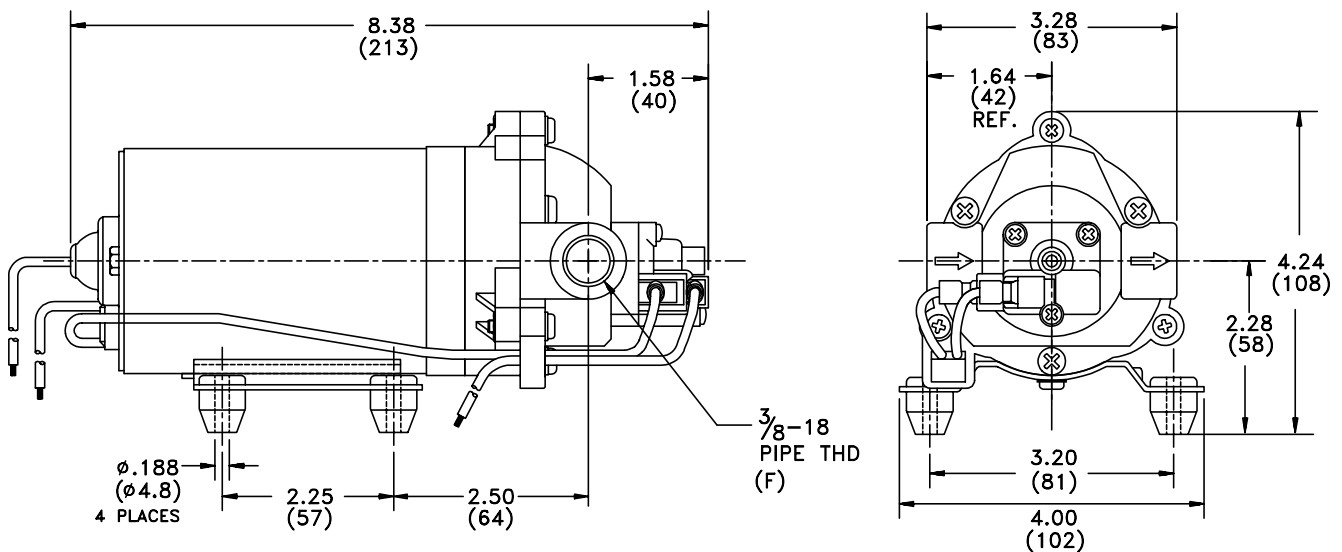
**NET WEIGHT:** 4.9 Lbs (2.22 Kg)

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

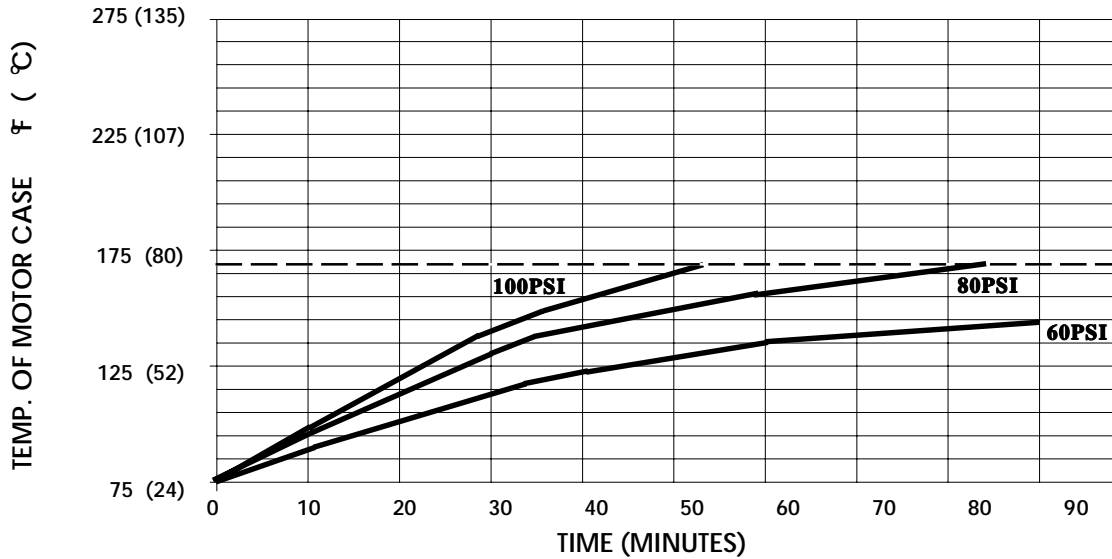
**APPROVALS:** UL/CSA Recognized Component

**TYPICAL APPLICATIONS:** Soil Extraction

**DIMENSIONS:**



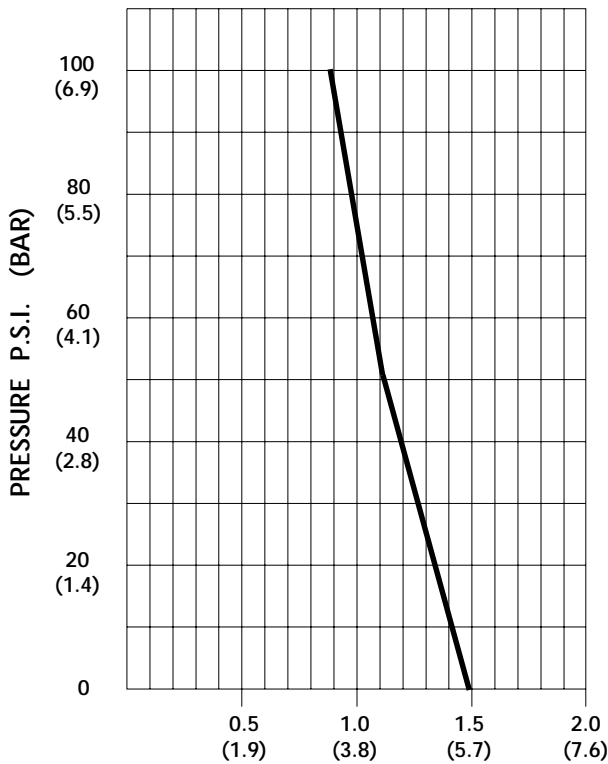
### TEMPERATURE RISE



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 170° F.

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

### TYPICAL PERFORMANCE



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	<b>1.50/5.7</b>	<b>2145/2220</b>	<b>0.36</b>	<b>115VAC</b>
10	<b>1.37/5.2</b>	<b>2055/2140</b>	<b>0.44</b>	"
20	<b>1.30/4.9</b>	<b>1980/2055</b>	<b>0.49</b>	"
30	<b>1.23/4.6</b>	<b>1905/1995</b>	<b>0.54</b>	"
40	<b>1.16/4.4</b>	<b>1830/1920</b>	<b>0.59</b>	"
50	<b>1.10/4.2</b>	<b>1770/1865</b>	<b>0.63</b>	"
60	<b>1.04/3.9</b>	<b>1720/1820</b>	<b>0.68</b>	"
70	<b>0.99/3.7</b>	<b>1655/1765</b>	<b>0.72</b>	"
80	<b>0.95/3.6</b>	<b>1610/1720</b>	<b>0.76</b>	"
90	<b>0.92/3.5</b>	<b>1560/1675</b>	<b>0.80</b>	"
100	<b>0.87/3.3</b>	<b>1510/1620</b>	<b>0.84</b>	"

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)

*-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.*

*-ALL DATA BASED ON TESTING WITH WATER.*