

### SPECIFICATIONS:

MODEL NUMBER: 8020-513-236

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 11-194-01, Thermally Protected

VOLTAGE: 115 VAC Nominal

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

Factory Set @ 60 PSI, Turn On 47 PSI  $\pm$  6 PSI

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

PRIME: Self-Priming Up To 10.0 Ft. Vertical,  
Max. Inlet Pressure 30 PSI (2.1 Bar)

PORTS: 3/8"-18 NPT Female

MATERIAL OF CONSTRUCTION:

PLASTICS- Polypropylene

VALVES- Viton

DIAPHRAGM- Santoprene

FASTENERS- Zinc Plated Steel

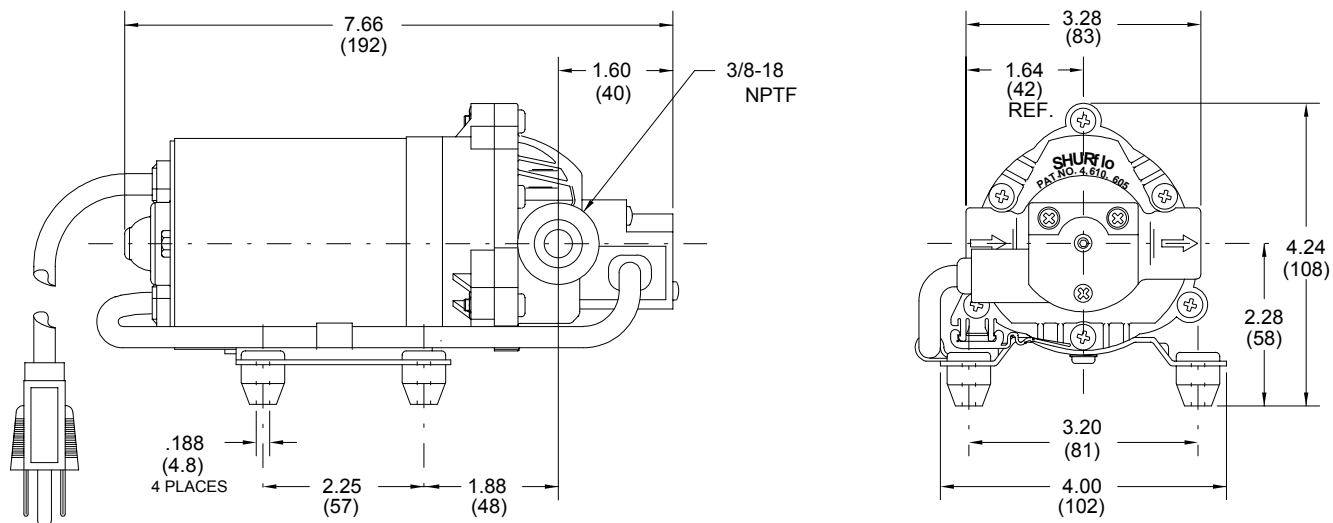
NET WEIGHT: 4.34 Lbs (1.97 Kg)

DUTY CYCLE: Intermittent (See Temperature Rise Chart)

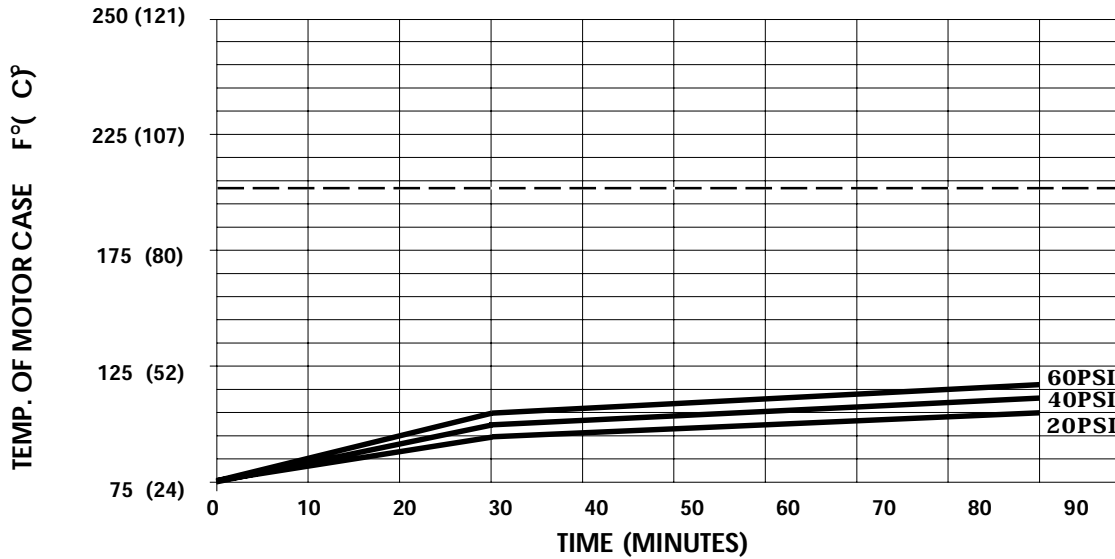
APPROVALS: UL/CSA Listed

TYPICAL APPLICATIONS: General Industrial

### DIMENSIONS:



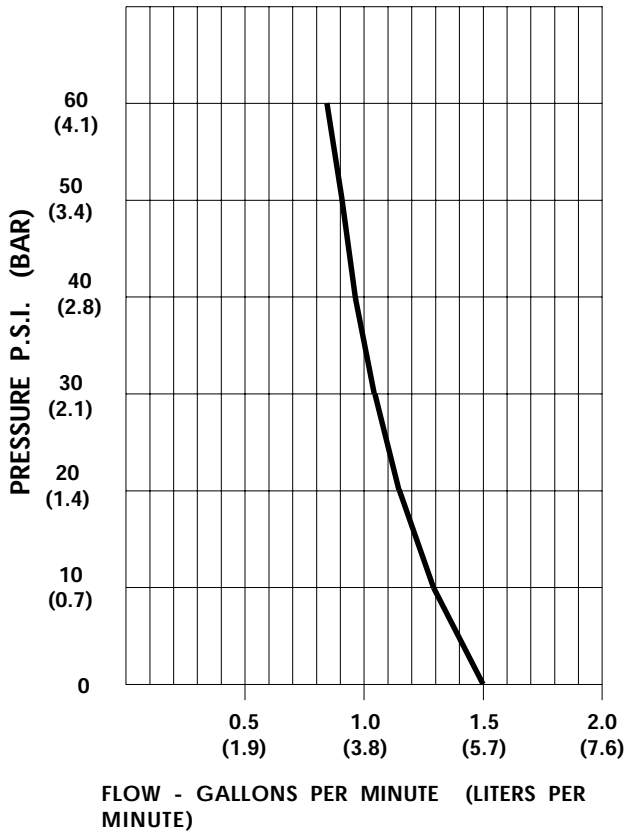
**TEMPERATURE RISE**



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 203 ° F.

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

**TYPICAL PERFORMANCE**



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	1.50/5.7	2060/2140	0.37	115VAC
10	1.27/4.8	1900/1990	0.46	"
20	1.15/4.3	1755/1855	0.51	"
30	1.05/4.0	1645/1750	0.56	"
40	0.96/3.6	1540/1645	0.61	"
50	0.90/3.4	1475/1560	0.65	"
60	0.84/3.2	1410/1495	0.70	"

*-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.*

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