

SPECIFICATIONS:

MODEL NUMBER: 2088-443-144

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 11-111-00

VOLTAGE: 12 VDC Nominal

PRESSURE SWITCH: Factory Set @ 45 PSI Shut-Off, Turn On 25 ± 5 PSI
Adjustable From 30 to 50 PSI

LIQUID TEMPERATURE: 130 Degrees Fahrenheit (54 Degrees Centigrade) Max.

PRIME: Self-Priming Up To 9 Ft. Vertical,
Max. Inlet Pressure 30 PSI (2.1 Bar)

PORTS: 1/2" - 14 Male Parallel Thread

MATERIAL OF CONSTRUCTION:

PLASTICS- Polypropylene

VALVES- Santoprene

DIAPHRAGM- Santoprene

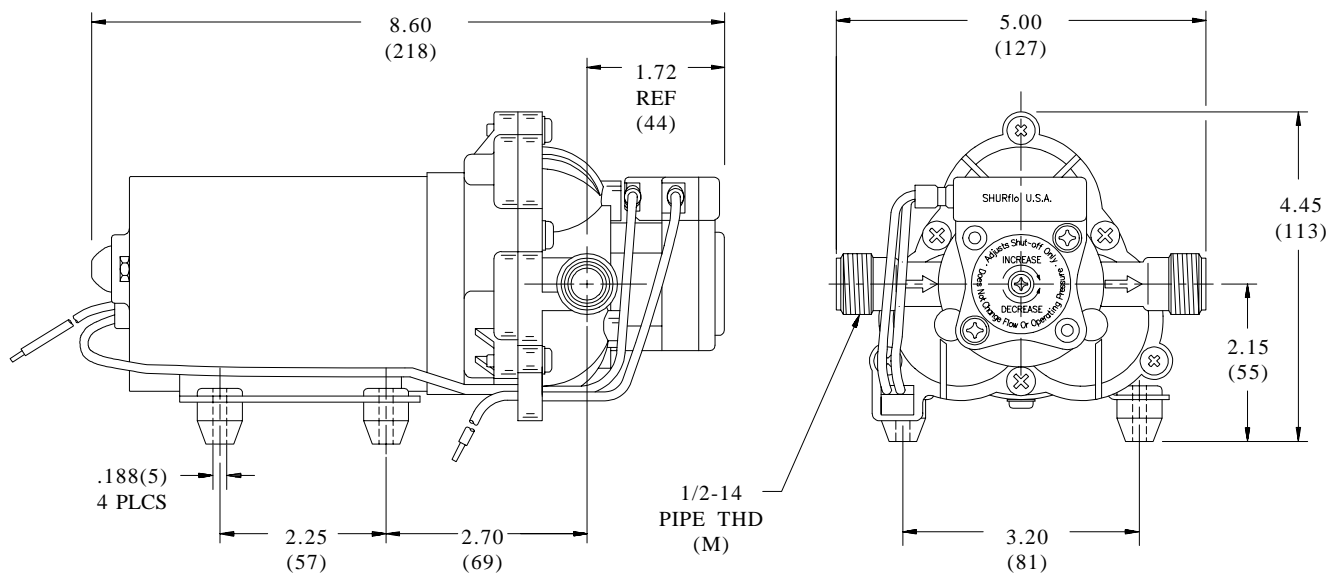
FASTENERS- Zinc Plated Steel

NET WEIGHT: 4.8 Lbs (2.18 Kg)

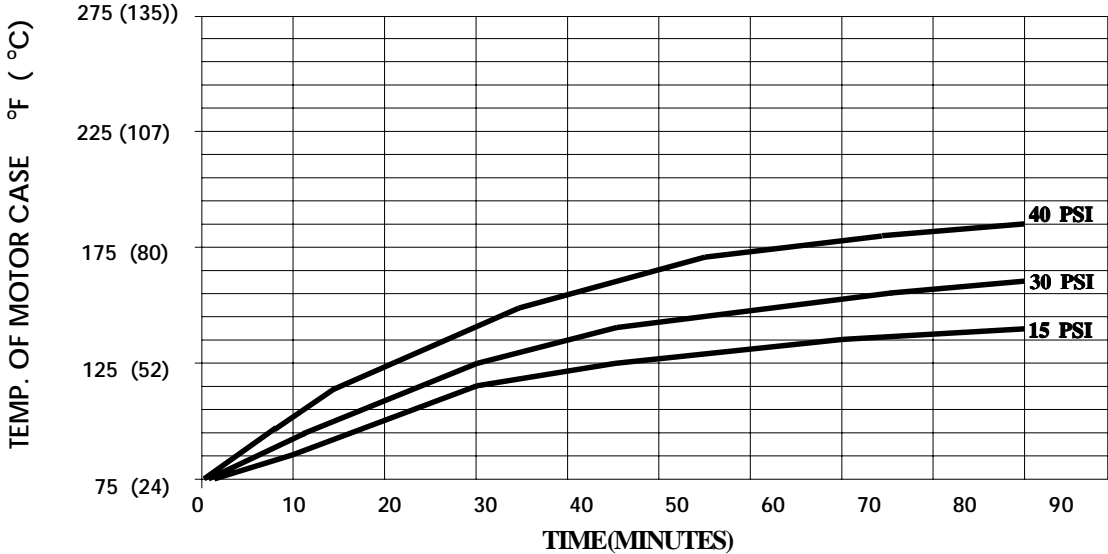
DUTY CYCLE: intermittent (See Temperature Rise Chart)

TYPICAL APPLICATIONS: Water Delivery

DIMENSIONS:

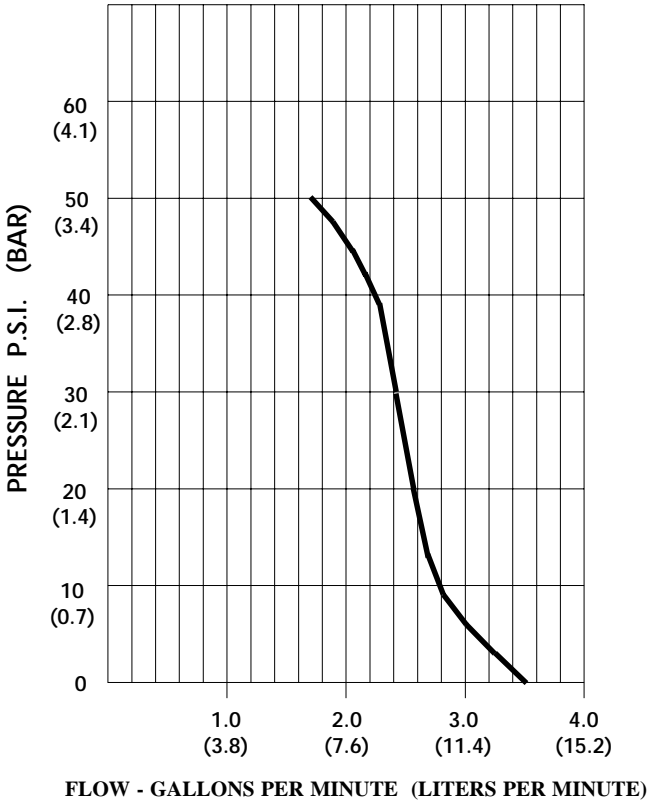


TEMPERATURE RISE



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.

TYPICAL PERFORMANCE



| PRESSURE (PSI) | FLOW (GPM/LIT) | RPM MIN/MAX | CURRENT (AMPS) | VOLTAGE (VOLTS) |
|----------------|------------------|------------------|----------------|-----------------|
| OPEN | 3.50/13.2 | 2160/2210 | 5.3 | 12 VDC |
| 10 | 2.83/10.7 | 2130/2180 | 5.8 | " |
| 20 | 2.56/9.7 | 2050/2110 | 7.0 | " |
| 30 | 2.31/8.7 | 2015/2030 | 8.0 | " |
| 40 | 2.02/7.6 | 1960/1975 | 9.1 | " |
| 50 | 1.75/6.6 | 1915/1930 | 9.9 | " |

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