

SPECIFICATIONS:

MODEL NUMBER: 2093-204-114, WHISPER KING

PUMP DESIGN: Positive Displacement 3 Chamber Diaphragm Pump

CHECK VALVE: (1-Way Operation) Prevents Reverse Flow

CAM: 3.5 Degree

MOTOR: Permanent Magnet, P/N 11-192-00, Thermally Protected

VOLTAGE: 12 VDC Nominal

PRESSURE SWITCH: Adjustable from 30-50 PSI. Factory Set @ 45 PSI Shut-Off,
Turn On 25 ± PSI

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

PRIME: Self-Priming Up To 11 Ft. Vertical,
Max. Inlet Pressure 30 PSI (2.1 Bar)

PORTS: 1/2" - 14 Male Parallel Thread

MATERIAL OF CONSTRUCTION:

PLASTICS- Polypropylene

VALVES- EPDM

DIAPHRAGM- Santoprene

FASTENERS- Zinc Plated Steel

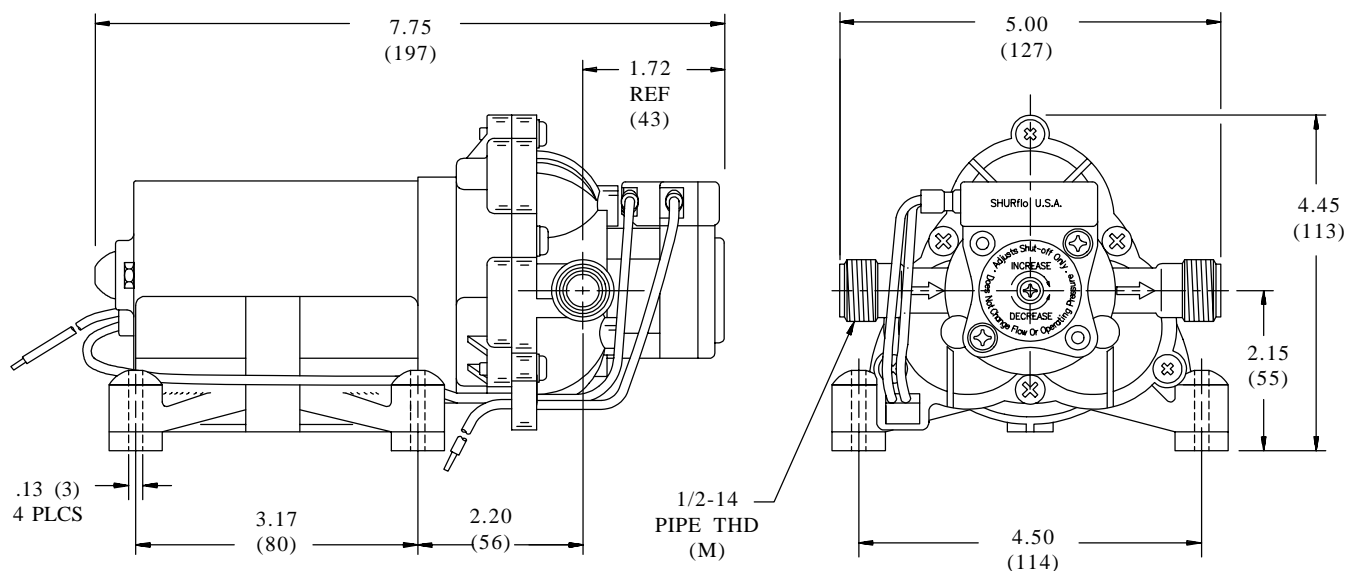
NET WEIGHT: 4.0 Lbs (1.8 Kg)

DUTY CYCLE: Intermittent (See Temp. Rise Chart)

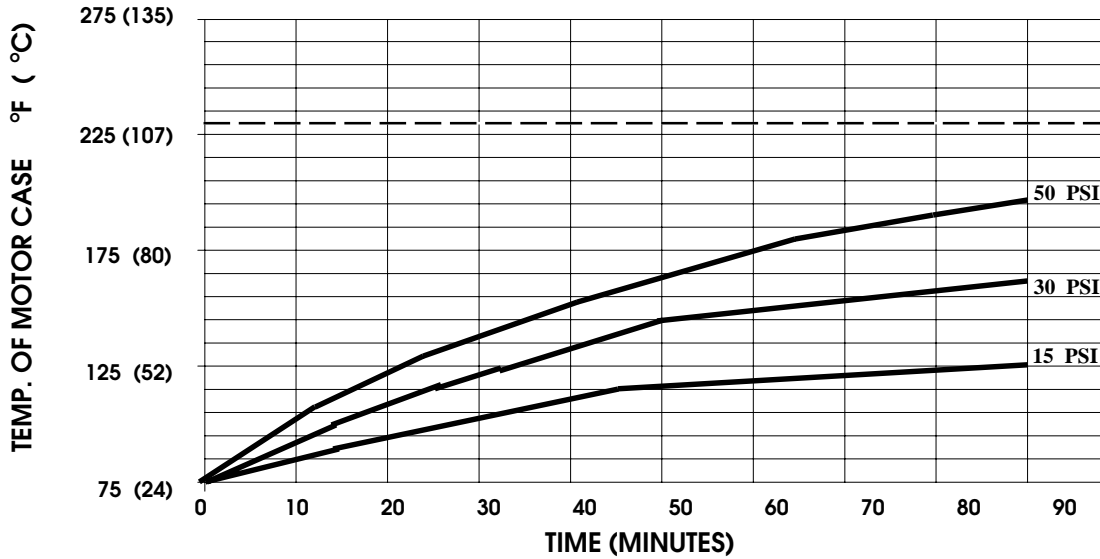
TYPICAL APPLICATIONS: Potable Water

APPROVALS: CSA Recognized Component

DIMENSIONS:



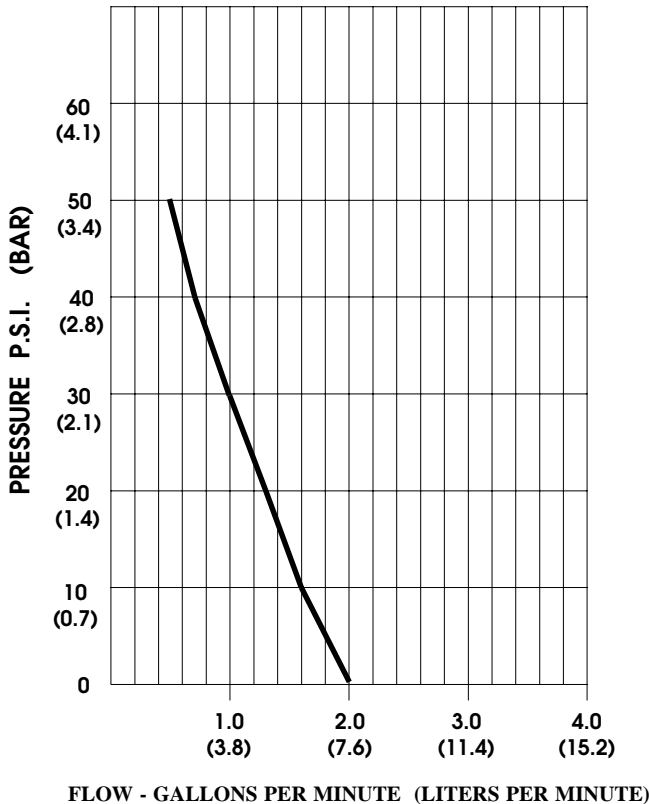
TEMPERATURE RISE



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 230° F.

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

TYPICAL PERFORMANCE



| PRESSURE (PSI) | FLOW (GPM/LIT) | RPM MIN/MAX | CURRENT (AMPS) | VOLTAGE (VOLTS) |
|----------------|----------------|-------------|----------------|-----------------|
| OPEN | 2.00/7.0 | 1000/1015 | 1.7 | 12 VDC |
| 10 | 1.57/5.9 | 895/900 | 2.4 | " |
| 20 | 1.28/4.8 | 775/780 | 3.3 | " |
| 30 | 0.97/3.7 | 640/655 | 4.2 | " |
| 40 | 0.86/3.3 | 450/510 | 4.5 | " |
| 50 | 0.50/1.9 | 415/470 | 5.2 | " |

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

-ALL DATA BASED ON TESTING WITH WATER.