

SPECIFICATIONS:

MODEL NUMBER: 2088-574-554

PUMP DESIGN: Positive Displacement 3 Chamber Diaphragm Pump

Note: Pump is coated with a plastic compound for improved corrosion resistance.

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

CAM: 3.0 Degree

MOTOR: Permanent Magnet, P/N 11-181-01, Thermally Protected

VOLTAGE: 24 VDC Nominal

PRESSURE SWITCH: Splash-Proof, Adjustable from 30 to 50 PSI.

Factory Set @ 45 PSI Shut-Off, Turn On 25 PSI \pm 5 PSI

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

PRIME: Self-Priming Up To 6.0 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- Stainless Steel

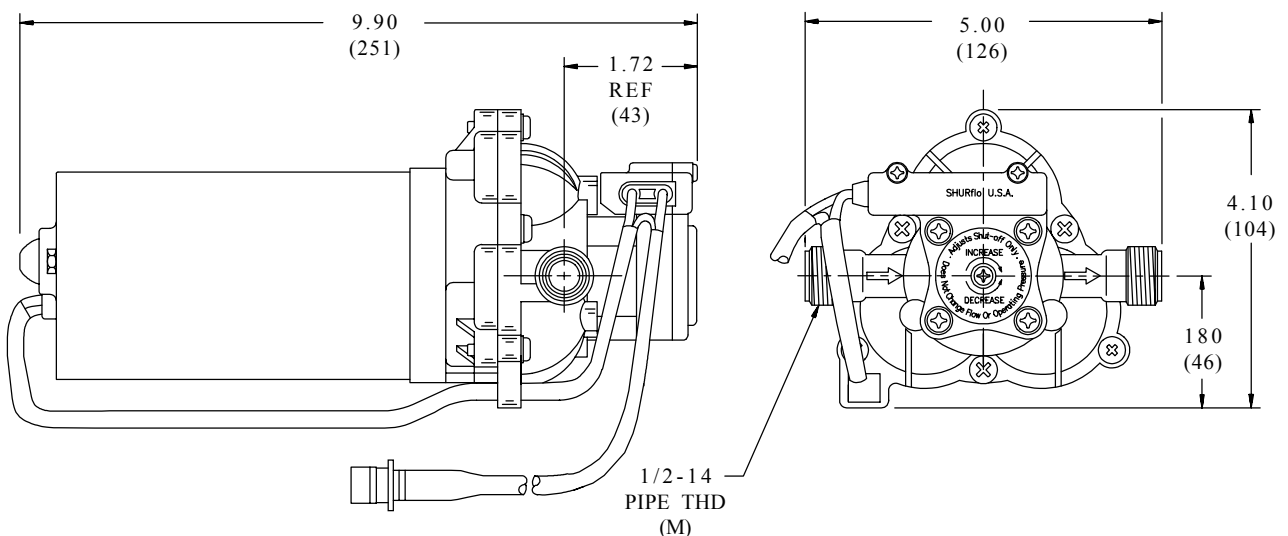
NET WEIGHT: 6.0 Lbs (2.7 Kg)

DUTY CYCLE: Continuous (See Temperature Rise Chart)

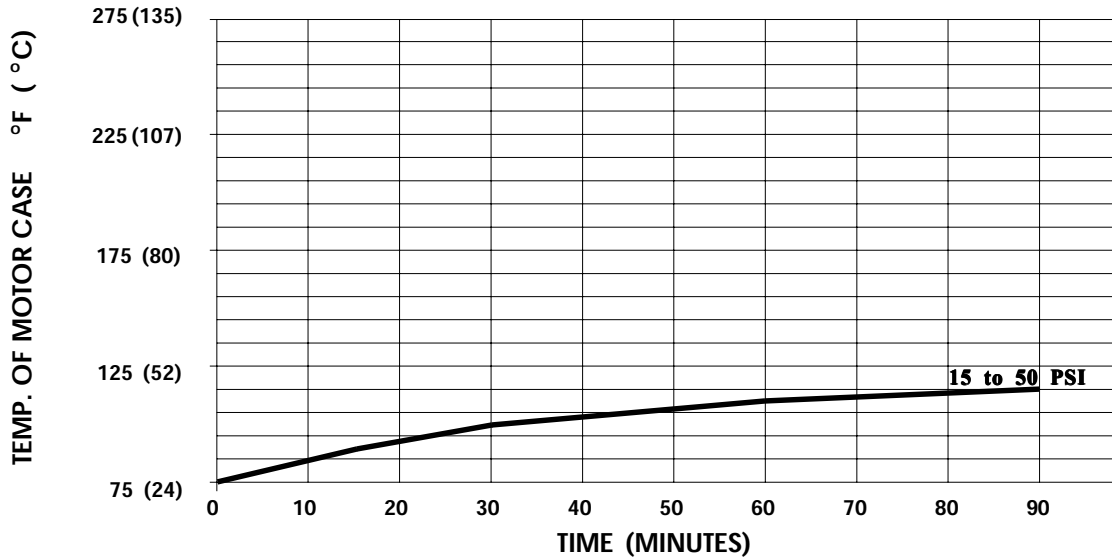
TYPICAL APPLICATIONS: Road Roller Equipment

APPROVALS: U.L. Marine/N.S.F. Listed

DIMENSIONS:

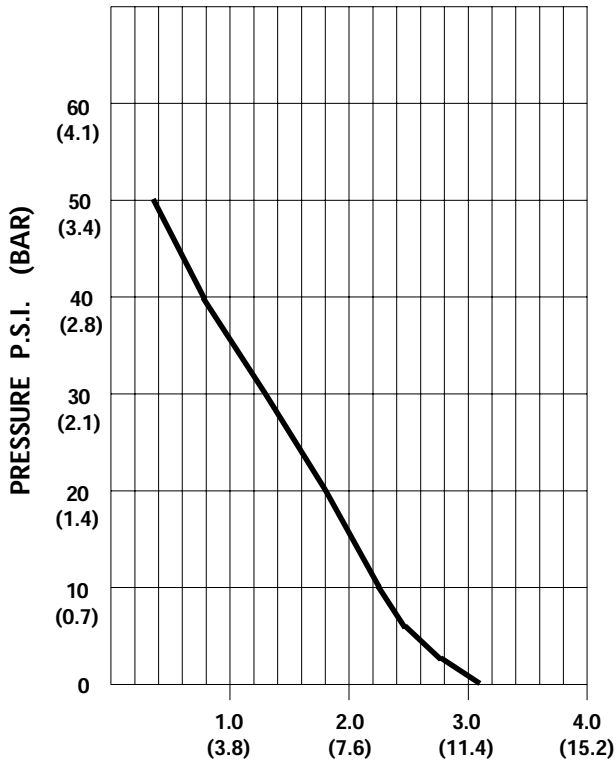


TEMPERATURE RISE



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 280° F.

TYPICAL PERFORMANCE



| PRESSURE (PSI) | FLOW (GPM/LIT) | RPM MIN/MAX | CURRENT (AMPS) | VOLTAGE (VOLTS) |
|----------------|------------------|------------------|----------------|-----------------|
| OPEN | 3.00/11.3 | 2534/2543 | 1.6 | 24 VDC |
| 10 | 2.26/8.5 | 2528/2536 | 2.2 | " |
| 20 | 1.78/6.7 | 2518/2526 | 2.4 | " |
| 30 | 1.29/4.9 | 2523/2529 | 2.4 | " |
| 40 | 0.77/2.9 | 2530/2534 | 2.2 | " |
| 50 | 0.37/1.4 | 2533/2543 | 2.0 | " |

FLOW - GALLONS PER MINUTE (LITERS PER MINUTE)

-SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

-ALL DATA BASED ON TESTING WITH WATER.