

SHURflo

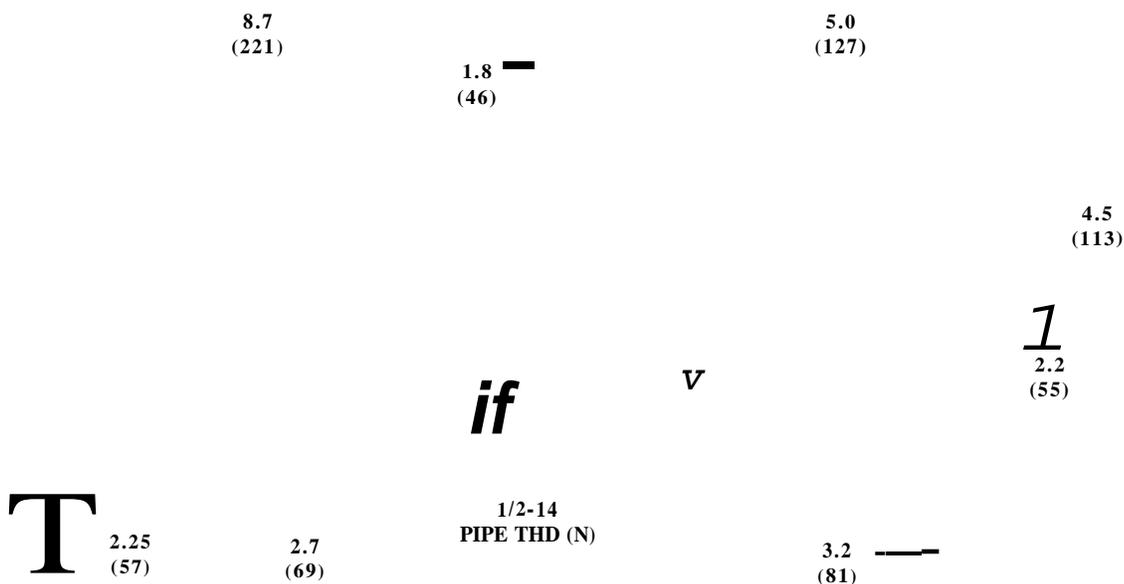
First in Fluid Innovation

PRODUCT DATA SHEET
MODEL: 2088-594-144

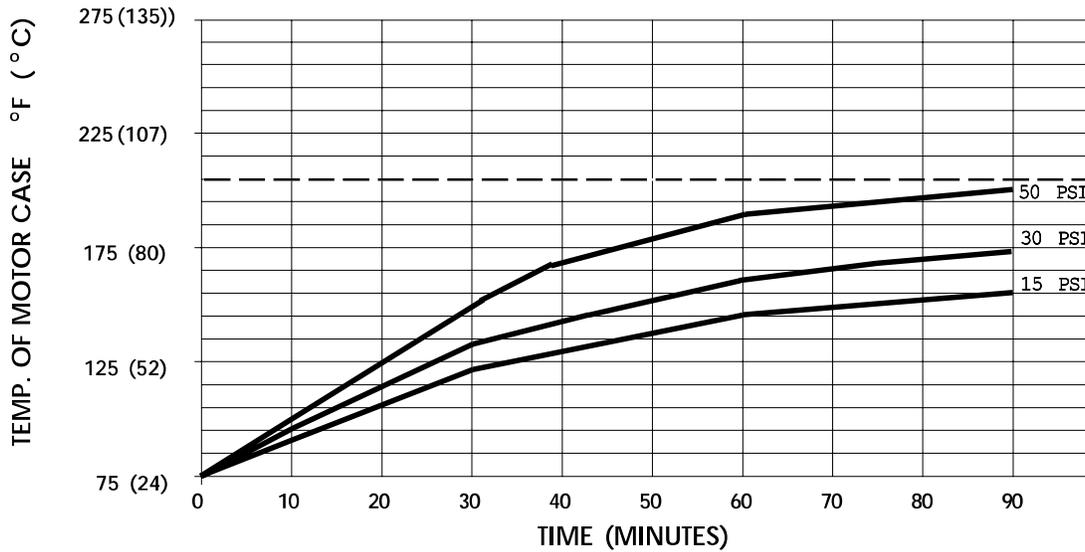
SPECIFICATIONS:

MODEL NUMBER: 2088-594-144
 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 11-195-01, Thermally Protected
 VOLTAGE: 115 VAC Nominal
 PRESSURE SWITCH: Factory Set @ 45 PSI Shut-Off, Turn On 25 +5 PSI
 LIQUID TEMPERATURE: 130 Degrees Fahrenheit (54 Degrees Centigrade) Max.
 PRIME: Self-Priming Up To 9.0 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- Zinc Plated Steel
 NET WEIGHT: 5.3 Lbs (2.4 Kg)
 DUTY CYCLE: Intermittent (See Temp. Rise Chart)
 TYPICAL APPLICATIONS: Agricultural Spraying
 APPROVALS: UL Recognized Component

DIMENSIONS:



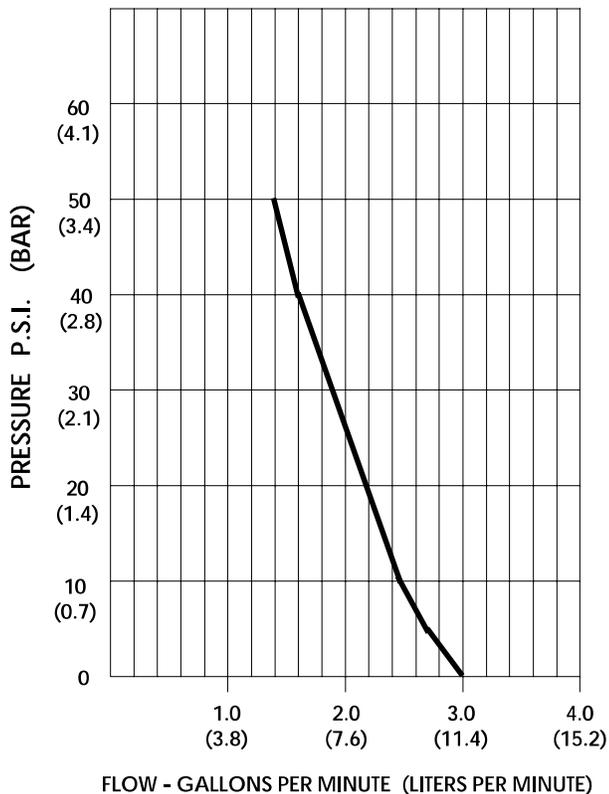
TEMPERATURE RISE



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 205° F.

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

TYPICAL PERFORMANCE



PRESSURE (PSI)	FLOW (GPM/LIT)	RPM MIN/MAX	CURRENT (AMPS)	VOLTAGE (VOLTS)
OPEN	3.0/11.3	1940/1945	0.50	115 VAC
10	2.4/9.1	1850/1850	0.55	"
20	2.2/8.3	1725/1725	0.60	"
30	1.9/7.2	1630/1630	0.65	"
40	1.6/6.0	1525/1525	0.70	"
50	1.4/5.3	1525/1525	0.75	"

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