

Demand / Delivery Pump



Figure 10 is a dual-axis line graph showing Flow Rate (GPM) and Current (A) versus Pressure (PSI) for various flow rates and pressure shut-off points. The left y-axis represents Flow Rate / GPM (0.0 to 1.4), and the right y-axis represents Current / A (0 to 0.35). The x-axis represents Pressure / PSI (0 to 70). The legend includes: Flow - Pressure -70PSI Shut-off (blue diamonds), Flow - Pressure -60PSI Shut-off (yellow squares), Flow - Pressure -50PSI Shut-off (green triangles), Flow - Pressure -40PSI Shut-off (teal circles), Flow - Pressure -30PSI Shut-off (red circles), and Pressure-Current (orange circles). The Pressure-Current curve shows a linear increase in current with pressure. The flow curves show a constant flow rate until a pressure shut-off point, after which the flow rate drops to zero.

Pressure (PSI)	Flow -70PSI Shut-off (GPM)	Flow -60PSI Shut-off (GPM)	Flow -50PSI Shut-off (GPM)	Flow -40PSI Shut-off (GPM)	Flow -30PSI Shut-off (GPM)	Pressure-Current (A)
0	0.8	0.8	0.8	0.8	0.8	0.00
10	0.85	0.85	0.85	0.85	0.85	0.05
20	0.9	0.9	0.9	0.9	0.9	0.10
30	0.95	0.95	0.95	0.95	0.0	0.15
40	1.0	1.0	0.95	0.0	-	0.20
50	1.05	0.95	0.0	-	-	0.25
60	0.9	0.0	-	-	-	0.30
70	0.0	-	-	-	-	0.35

Time / min	Time-temperature / °C	Heat protector disconnect temperature / °C
0	25	73
10	35	73
20	42	73
30	48	73
40	53	73
50	56	73
60	58	73
70	60	73
80	61	73
90	62	73
100	63	73
110	63	73
120	64	73

Data were tested at inlet pressure of 0PSI, ambient temperature and water temperature of 25°C, and voltage of 230VAC, 50/60Hz. The above is the test data of 3/8" pipe. If other pipe sizes are used, the test data will be different.

The temperature rise curve is measured by the ambient temperature of 25°C, the inlet pressure of 0PSI, and the working pressure of 70PSI. In order to ensure the safety of the motor, the housing temperature exceeds approximately 73 °C, and the thermal protector is disconnected to cool the motor. The motor will be continuous working when the actual temperature rise of the motor is lower than the thermal protection disconnection temperature. All performance data and temperature curves are approximate, and actual conditions will vary with ambient conditions such as temperature.

Discharge Pressure /PSI	Flow Rate /GPM	Flow Rate /LPM	Current /A
0	1.15	4.35	0.198
10	1.09	4.11	0.212
20	1.04	3.93	0.227
30	0.99	3.73	0.253
40	0.94	3.57	0.277
50	0.91	3.43	0.301
60	0.88	3.33	0.324
70	0.86	3.25	0.342

Selection	Rated voltage	Inlet Water Pressure	Working Flow Rate	Working Current	Suction	Shut-off Pressure	Maximum current	Connection
LFP6115T-30070	230V AC	0PSI	1.15GPM	≤0.25A	≥2M	70PSI	≤0.39A	3/8" side female quick connector NPT3/8 Screw thread
LFP6115T-30060						60PSI	≤0.37A	
LFP6115T-30050						50PSI	≤0.35A	
LFP6115T-30040						40PSI	≤0.33A	
LFP6115T-30030						30PSI	≤0.30A	

