

Demand / Delivery Pump



Pressure (PSI)	Flow -70PSI (GPM)	Flow -60PSI (GPM)	Flow -50PSI (GPM)	Flow -40PSI (GPM)	Flow -30PSI (GPM)	Pressure-Current (A)
0	0.85	0.50	0.50	0.50	0.50	0.125
5	0.85	0.52	0.52	0.52	0.52	0.130
10	0.85	0.54	0.54	0.54	0.54	0.135
15	0.82	0.56	0.56	0.56	0.56	0.140
20	0.80	0.58	0.58	0.58	0.58	0.145
25	0.75	0.60	0.60	0.60	0.60	0.150
30	0.70	0.62	0.62	0.62	0.00	0.155
35	0.65	0.64	0.64	0.64	-	0.160
40	0.60	0.66	0.66	0.00	-	0.165
45	0.55	0.68	0.68	-	-	0.170
50	0.50	0.66	0.00	-	-	0.175
55	0.45	0.64	-	-	-	0.180
60	0.40	0.00	-	-	-	0.185
65	0.35	-	-	-	-	0.190
70	0.00	-	-	-	-	0.195

Time / min	Time-temperature / °C	Heat protector disconnect temperature / °C
0	25	73
10	32	73
20	38	73
30	45	73
40	50	73
50	53	73
60	55	73
70	57	73
80	58	73
90	59	73
100	60	73
110	60	73
120	60	73

Data were tested at inlet pressure of 0PSI, ambient temperature and water temperature of 25°C, and voltage of 230V, 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	0.85	3.22	0.12
10	0.83	3.14	0.131
20	0.79	2.99	0.149
30	0.73	2.76	0.169
40	0.68	2.59	0.186
50	0.64	2.41	0.207
60	0.60	2.26	0.221
70	0.56	2.12	0.238

Selection	Rated voltage	Inlet Water Pressure	Working Flow Rate	Working Current	Suction	Shut-off Pressure	Maximum current	Connection
LFP6085T-30070	230V AC	0PSI	0.85GPM	≤0.18A	≥2M	70PSI	≤0.3A	3/8" side female quick connector NPT3/8 Screw thread
LFP6085T-30060						60PSI	≤0.28A	
LFP6085T-30050						50PSI	≤0.27A	
LFP6085T-30040						40PSI	≤0.25A	
LFP6085T-30030						30PSI	≤0.23A	

