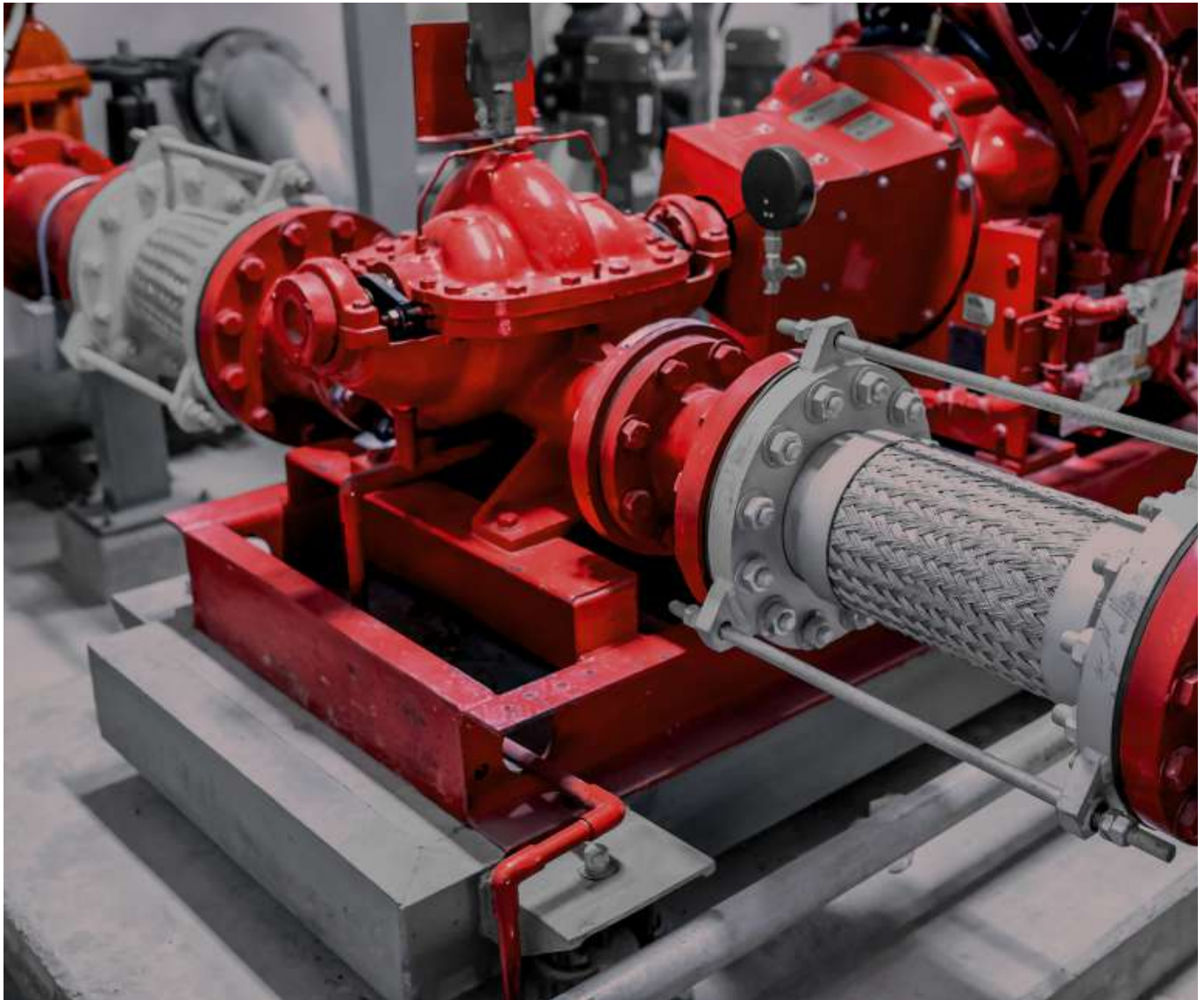


Fire Fighting Pumps



LIFECO pumps undergoes required inspection, tests and production control during the assembly process and records are logged for the same, before being delivered to our customers. Each pump produced, undergoes performance testings as follows:

a) OPERATION TEST

Performance curves are plotted showing the Efficiency, Brake-Horsepower (kW), and Total Head developed at shutoff, at rated capacity, at 150 percent of rated capacity, and at selected intermediate capacities between shutoff and maximum capacities exceeding 150% of rated capacity.

b) HYDROSTATIC TEST

Each pump is tested hydrostatically for not less than 5 minutes. The test pressure is to be up to 2 times the maximum working pressure of the pump, but in no case less than 250 psi (1724 kPa) to ensure no rupture or leakage through the castings at the test pressure.

c) IMPELLER BALANCING

The impellers of each pump are dynamically balanced to the G6.3 balance quality grade in accordance with the requirements for pump impellers in the Standard for Mechanical Vibration – Balance Quality

Vertical Turbine Fire Pump



50/60 HZ



FLOW CAPACITY : 200 GPM - 2000 GPM
PRESSURE RANGE : 40 - 355 PSI
MAX WORKING PRESSURE : 290 PSI - 395 PSI
SPEED : 1480, 1760, 2900, 2980, 3000 RPM

- Dynamically Balanced Impeller
- Constructed in variety of metallurgies
- Available in 50 Hz and 60 Hz
- Drivers with gear boxes at electrical & diesel speed
- Designed for easy maintenance
- Open line shaft
- Packaged systems available
- Self-Venting Design eliminates vapor lock
- Efficiently Designed Shaft
- Heavy wall thickness
- Sealing arrangement is packing design
- Modular Construction
- Space-saver design

Model Dsg	Rated Capacity (GPM)	UL Listed Rated Net Pressure Range (PSI)	Approx Speed (RPM)
LFP - 200- 70VT	200	40-289	1480
LFP - 200- 70VT		48-348	1760
LFP - 200- 30VT		60-305	2900
LFP - 200- 30VT		63-323	2980
LFP - 200- 30VT		64-327	3000
LFP - 750- 70- VT	250	40 - 248	1480
LFP - 250- 70VT		40-290	1480
LFP - 250- 70VT		48-345	1760
LFP - 250- 30VT		60-299	2900
LFP - 250- 30VT		63-317	2980
LFP - 250- 30VT	300	64-321	3000
LFP - 750- 70- VT		40 - 248	1480
LFP - 750- 70- VT		48 - 351	1760
LFP - 300- 70VT		40-290	1480
LFP - 300- 70VT		47-341	1760
LFP - 300- 30VT	400	58-295	2900
LFP - 300- 30VT		61-312	2980
LFP - 300- 30VT		62-316	3000
LFP - 750- 70- VT		40 - 247	1480
LFP - 750- 70- VT		48 - 351	1760
LFP - 400- 70VT	450	40-283	1480
LFP - 400- 70VT		46-336	1760
LFP - 400- 30VT		54-285	2900
LFP - 400- 30VT		57-302	2980
LFP - 400- 30VT		58-306	3000
LFP - 750- 70- VT	500	40 - 244	1480
LFP - 750- 70- VT		46 - 349	1760
LFP - 450- 70VT		40-279	1480
LFP - 450- 70VT		45-333	1760
LFP - 450- 30VT		52-279	2900
LFP - 450- 30VT	750	56-296	2980
LFP - 450- 30VT		56-300	3000
LFP - 750- 70- VT		40 - 241	1480
LFP - 750- 70- VT		44 - 347	1760
LFP - 500- 70VT		40-276	1480
LFP - 500- 70VT	750	44-331	1760
LFP - 500- 30VT		49-273	2900
LFP - 500- 30VT		53-290	2980
LFP - 500- 30VT		54-294	3000
LFP - 750- 70- VT		40 - 236	1480
LFP - 750- 70- VT	750	44 - 343	1760
LFP - 750- 70- VT		40 - 320	1760
LFP - 1500- 80- VT		42 - 254	1480
LFP - 750- 70VT		40-253	1480
LFP - 750- 70VT		40-309	1760
LFP - 750- 80VT		43-306	1480
LFP - 750- 80VT		62-359	1760
LFP - 750- 30VT		72-79	2900
LFP - 750- 30VT		108-119	2900
LFP - 750- 30VT		144-159	2900
LFP - 750- 30VT		180-198	2900
LFP - 750- 30VT		216-238	2900
LFP - 750- 30VT		150-166	2950
LFP - 750- 30VT		187-207	2950
LFP - 750- 30VT		225-249	2950
LFP - 750- 30VT		83-87	3000
LFP - 750- 30VT		117-130	3000

Wide Range of Flows and Pressures Available in ELECTRIC MOTOR and DIESEL ENGINE Driven Configuration Suitable for Commercial, Industrial and Buildings Applications.

Model Dsg	Rated Capacity (GPM)	UL Listed Rated Net Pressure Range (PSI)	Approx Speed (RPM)
LFP - 1000- 70VT	1000	56	1480
LFP - 1000- 70VT		73	1480
LFP - 1000- 70VT		88	1480
LFP - 1000- 70VT		112	1480
LFP - 1000- 70VT		131	1480
LFP - 1000- 70VT		145	1480
LFP - 1000- 70VT		160	1480
LFP - 1000- 70VT		187	1480
LFP - 1000- 70VT		203	1480
LFP - 1000- 70VT		218	1480
LFP - 1000- 70VT		102	1450
LFP - 1000- 70VT		117	1450
LFP - 1000- 70VT		174	1450
LFP - 1000- 70VT		189	1450
LFP - 1000- 70VT		57	1760
LFP - 1000- 70VT		80	1760
LFP - 1000- 70VT		106	1760
LFP - 1000- 70VT		133	1760
LFP - 1000- 70VT		160	1760
LFP - 1000- 70VT		189	1760
LFP - 1000- 70VT		218	1760
LFP - 1000- 70VT		247	1760
LFP - 1000- 70VT		276	1760
LFP - 1000- 70VT		58	1780
LFP - 1000- 70VT		87	1780
LFP - 1000- 70VT		116	1780
LFP - 1000- 70VT		145	1780
LFP - 1000- 70VT		175	1780
LFP - 1000- 70VT		204	1780
LFP - 1000- 70VT		233	1780
LFP - 1000- 70VT		262	1780
LFP - 1000- 70VT		291	1780
LFP - 1000- 80VT		40-287	1480
LFP - 1000- 80VT		59-343	1760
LFP - 1000- 90VT		57-328	1480
LFP - 1000- 90VT		85-337	1760
LFP - 1500- 80- VT		40 - 244	1480
LFP - 1500- 80- VT		58 - 355	1760
LFP - 2000- 90- VT		58 - 239	1480
LFP - 1250- 80VT	1250	40-273	1480
LFP - 1250- 80VT		54-330	1760
LFP - 1250- 90VT		55-317	1480
LFP - 1250- 90VT		80-329	1760
LFP - 1500- 80- VT		40 - 225	1480
LFP - 1500- 80- VT		54 - 341	1760
LFP - 2000- 90- VT		56 - 230	1480
LFP - 2000- 90- VT		80 - 335	1760
LFP - 1500- 80VT	1500	84-254	1480
LFP - 1500- 80VT		60-76	1480
LFP - 1500- 80VT		49-312	1760
LFP - 1500- 90VT		52-309	1480
LFP - 1500- 90VT		78-314	1760
LFP - 1500- 80- VT		58 - 317	1760
LFP - 2000- 90- VT		52 - 225	1480
LFP - 2000- 90- VT		78 - 325	1760
LFP - 2000- 90- VT	2000	72 - 312	1760
LFP - 2000- 90VT		71-82	1480
LFP - 2000- 90VT		100-123	1480
LFP - 2000- 90VT		133-165	1480
LFP - 2000- 90VT		167-288	1480
LFP - 2000- 90VT		96-118	1450
LFP - 2000- 90VT		128-157	1450
LFP - 2000- 90VT		72-302	1760

Notes

1. All Pumps are Hydrostatically Tested to minimum of 150 % of its Maximum Working Pressure and can with stand Double the Max. Working Pressure.
2. All Pumps have Clock-Wise Rotation when viewed from the Driver Side.
3. All Pumps are horizontal single stage Pumps.
4. "The rated speed marked on the pump can vary within +/-4% of the listed/ approved rated speed example : 3000 RPM pump can be driven with 2900 RPM Drivers."