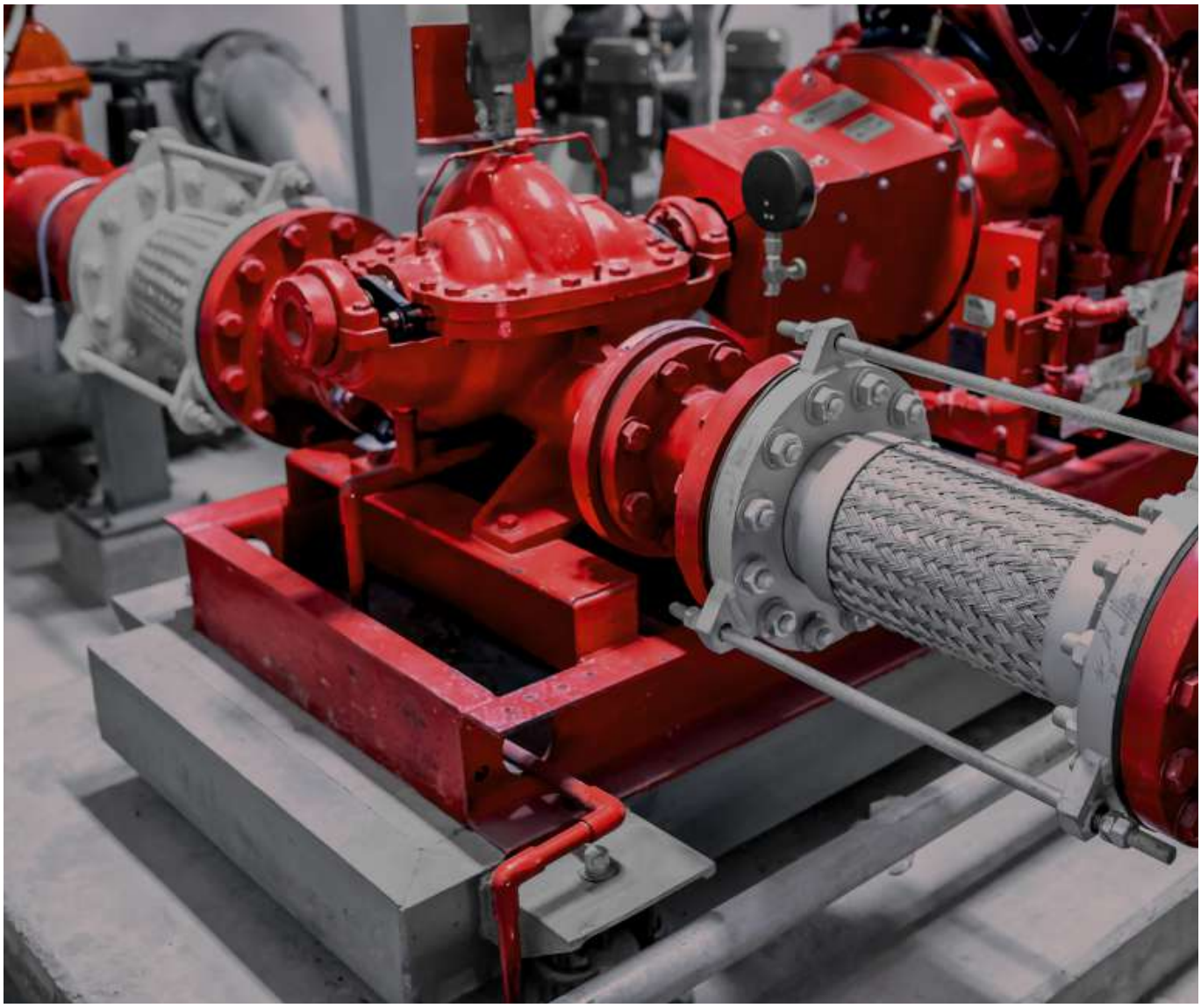
Fire Fighting Pumps



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 Efciency, 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 upto 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

End Suction Fire Pumps

50/60 HZ

CAPACITY : 50 GPM TO 750 GPM
PRESSURES : 68 TO 216 PSI
MAX WORKING PRESSURE : 225 TO 250 PSI
SPEED : 2900,3000, AND 3500 RPM

- Top Centerline Discharge
- Foot Supported Casing
- Back Pullout Design
- Self-venting Design
- Efficiently Designed Shaft
- Frame-Mounted Design
- Small Footprint Ideal for Retrofit
- Heavy Duty with Heavy Wall Thickness
- 100% Hydrostatic & Performance Tested
- Back Pump Out Vanes

Model Dsg.	Rated Capacity (GPM)	Size (in.)	UL Listed Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)
GME - 50- 20 EM - 2G	50	2.5X2	74-93	2900	180
GME - 50- 20 EM - 2G		2.5X2	79-99	3000	180
GME 50- 20 EM		2 x 1-1/ 4	68-87	2900	
GME 50- 20 EH		2 x 1-1/ 4	101-129	3500	230
GME 50- 26 EM		2 x 1-1/ 4	115-140	2900	230
GME 50- 26 EH		2 x 1-1/ 4	163-206	3500	230
GME 50- 20 EH A		2-1/ 2 x 2	106-129	3500	230
GME 50- 20 EH B		3 x 2-1/ 2	108-121	3500	230
GME 50- 26 EM A		2-1/ 2 x 1-1/ 2	114-136	2900	230
GME 50- 42 EH		2-1/ 2 x 1-1/ 2	122-146	3000	230
GME 50- 40 EH		2-1/ 2 x 1-1/ 2	166-198	3500	230
GME - 100- 20 EM - 2G	100	2.5X2	72-92	2900	180
GME - 100- 20 EM - 2G		2.5X2	77-98	3000	180
GME 100- 20 EH		2 x 1-1/ 4	119	3500	230
GME 100- 26 EH		2 x 1-1/ 4	159-195	3500	230
GME 100- 50 EH		2-1/ 2 x 2	104-128	3500	230
GME 100- 26 EM		2-1/ 2 x 1-1/ 2	109-134	2900	230
GME 100- 42 EH		2-1/ 2 x 1-1/ 2	116-143	3000	230
GME 100- 40 EH		2-1/ 2 x 1-1/ 2	162-198	3500	230
GME 100- 20 EH B		3 x 2-1/ 2	108-24	3500	230
GME - 150- 32 EM - 2G	150	3X2	95-142	2900	239
GME - 150- 32 EM - 2G		3X2	102-153	3000	239
GME - 150- 20 EM - 2G		2.5X2	71-90	2900	180
GME - 150- 20 EM - 2G		2.5X2	76-97	3000	180
GME - 150- 65 EM - 2G		3X2.5	80-93	2900	180
GME - 150- 65 EM - 2G		3X2.5	86-99	3000	180
GME 150- 20 EH		3 x 2-1/ 2	108-128	3500	230
GME 150- 26 EM		2-1/ 2 x 1-1/ 2	124	2900	230
GME 150- 42 EH		2-1/ 2 x 1-1/ 2	107-135	3000	230
GME 150- 26 EH		2-1/ 2 x 1-1/ 2	156-191	3500	230
GME 150- 20 EH A		2-1/ 2 x 2	102-126	3500	230
GME - 200- 32 EM - 2G	200	3X2	89-139	2900	239
GME - 200- 32 EM - 2G		3X2	96-149	3000	239
GME - 200- 65 EM - 2G		3X2.5	79-91	2900	180
GME - 200- 65 EM - 2G		3X2.5	85-98	3000	180
GME 200- 20 EH		50	96-120	3500	230
GME 200- 20 EH A		2-1/ 2 x 2	96-120	3500	230
GME 200- 65 EM		65	115-136	2900	230
GME - 250- 32 EM - 2G	250	3X2	82-132	2900	**239**
GME - 250- 32 EM - 2G		3X2	89-143	3000	**239**
GME - 250- 42 EM - 2G		4X2.5	87-146	2900	**239**
GME - 250- 42 EM - 2G		4X2.5	94-156	3000	**239**
GME - 250- 65 EM - 2G		3X2.5	77-90	2900	**180**
GME - 250- 65 EM - 2G		3X2.5	83-97	3000	**180**
GME 250- 26 EM		3 x 2-1/ 2	113-134	2900	**230**
GME 250- 20 EH		3 x 2-1/ 2	103-124	3500	230

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)	Size (in.)	UL Listed Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)
GME - 300- 42 EM - 2G	300	4X2.5	85-143	2900	239
GME - 300- 42 EM - 2G		4X2.5	91-154	3000	239
GME - 300- 65 EM - 2G		3X2.5	75-90	2900	180
GME - 300- 65 EM - 2G		3X2.5	81-96	3000	180
GME 300- 26 EM		3 x 2-1/ 2	110-132	2900	230
GME 300- 20 EH		3 x 2-1/ 2	101-123	3500	230
GME - 400- 31 EM - 2G	400	5X3	134-218	2900	315
GME - 400- 31 EM - 2G		5X3	143-234	3000	315
GME - 400- 25 EM - 2G		5X3	86-139	2900	235
GME - 400- 25 EM - 2G		5X3	93-149	3000	235
GME - 400- 54 EM - 2G		5X4	137-215	2900	315
GME - 400- 54 EM - 2G		5X4	147-230	3000	315
GME - 400- 42 EM - 2G		4X2.5	79-141	2900	239
GME - 400- 42 EM - 2G		4X2.5	86-151	3000	239
GME 400- 26 EM		4 x 3	110-133	2900	230
GME 400- 26 EH		4 x 3	191	3500	240
GME 400- 32 EM		4 x 3	158-200	2900	250
GME 400- 80 EH		4 x 3	105 -193	3500	235
GME - 450- 31 EM - 2G	450	5X3	131-217	2900	315
GME - 450- 31 EM - 2G		5X3	141-232	3000	315
GME - 450- 25 EM - 2G		5X3	85-138	2900	235
GME - 450- 25 EM - 2G		5X3	91-148	3000	235
GME - 450- 54 EM - 2G		5X4	136-214	2900	315
GME - 450- 54 EM - 2G		5X4	146-229	3000	315
GME - 450- 42 EM - 2G		4X2.5	78-137	2900	239
GME - 450- 42 EM - 2G		4X2.5	84-148	3000	239
GME 450- 26 EM		4 x 3	109-132	2900	230
GME 450- 26 EH		4 x 3	188	3500	240
GME 450- 32 EM		4 x 3	154-198	2900	250
GME 450- 80 EH		4 x 3	102 -190	3500	235
GME - 500- 31 EM - 2G	500	5X3	129-217	2900	315
GME - 500- 31 EM - 2G		5X3	139-232	3000	315
GME - 500- 25 EM - 2G		5X3	83-136	2900	235
GME - 500- 25 EM - 2G		5X3	90-146	3000	235
GME - 500- 54 EM - 2G		5X4	136-214	2900	315
GME - 500- 54 EM - 2G		5X4	146-229	3000	315
GME - 500- 42 EM - 2G		4X2.5	143	3000	239
GME - 500- 20 EM - 2G		6X5	68-84	2900	175
GME - 500- 20 EM - 2G		6X5	73-90	3000	175
GME - 500- 20 EH - 2G		6X5	100-121	3500	210
GME - 500- 20 EH - 2G		6X5	105-128	3600	210
GME - 500- 26 EM - 2G		6X5	118-136	2900	230
GME - 500- 26 EM - 2G		6X5	126-146	3000	230
GME - 500- 26 EH - 2G		6X5	168-199	3500	290
GME - 500- 26 EH - 2G		6X5	178-210	3600	290
GME 500- 26 EM		4 x 3	108-131	2900	230
GME 500- 26 EH		4 x 3	185	3500	240
GME 500- 32 EM		4 x 3	149-194	2900	250
GME 500- 80 EH		4 x 3	99 - 188	3500	235
GME 500- 12 EM		5 x 4	111- 133	2900	225
GME 500- 13 EM		5 x 4	122 - 210	2900	245
GME 750- 26 EM	750	5 x 4	102 - 127	2900	225
GME 750- 32 EM		5 x 4	122 - 207	2900	245
GME - 750- 54 EM - 2G		5X4	131-208	2900	315
GME - 750- 54 EM - 2G		5X4	141-223	3000	315
GME - 750- 20 EM - 2G		6X5	65-81	2900	175
GME - 750- 20 EM - 2G		6X5	70-87	3000	175
GME - 750- 20 EH - 2G		6X5	97-120	3500	210
GME - 750- 20 EH - 2G		6X5	103-127	3600	210
GME - 750- 26 EM - 2G		6X5	116-135	2900	230
GME - 750- 26 EM - 2G		6X5	125-145	3000	230
GME - 750- 26 EH - 2G		6X5	167-198	3500	290
GME - 750- 26 EH - 2G		6X5	177-210	3600	290
GME - 1000- 54 EM - 2G	1000	5X4	122-200	2900	315
GME - 1000- 54 EM - 2G		5X4	132-215	3000	239
GME - 1000- 20 EM - 2G		6X5	60-78	2900	175
GME - 1000- 20 EM - 2G		6X5	65-84	3000	175
GME - 1000- 20 EH - 2G		6X5	92-116	3500	210
GME - 1000- 20 EH - 2G		6X5	98-123	3600	210
GME - 1000- 26 EM - 2G		6X5	113-133	2900	230
GME - 1000- 26 EM - 2G		6X5	121-143	3000	230
GME - 1000- 26 EH - 2G		6X5	164-196	3500	290
GME - 1000- 26 EH - 2G		6X5	174-208	3600	290

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."