

FIRE FIGHTING PUMPS

Split Case





WE AIM TO MAKE THE WORLD A SAFER PLACE



THE CORNER STONE TO DING THE FUT

Lichfield Fire & Safety Equipment Co. Ltd. (LIFECO), LIFECO has been a global leader in supplying products covering the full range for fire detection, prevention, extinguishing and suppression system. LIFECO, with its world headquarters located in United Kingdom and is well poised to serve a variety of International markets in addition to fulfilling the local market demand.

LIFECO serves Civil Defence, Industrial and Commercial markets with its wide range of quality and innovative products. LIFECO is represented globally with its well knit National and International infrastructure of distributors. The Company's strengths are underpinned by a highly skilled workforce, and a diverse range of quality products and services that aims to provide a 'one stop shop' to satisfy all of our Customers Fire and Life Safety requirements.











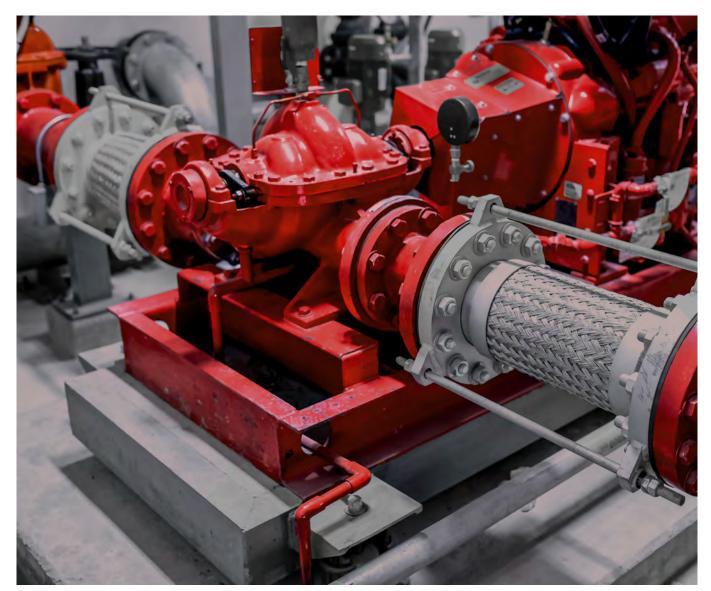






Fire Fighting Pumps





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

Splitcase Fire Pump





50/60 HZ



CAPACITY: 150 GPM to 3500 GPM PRESSURES: 88 TO 335 PSI

MAX WORKING PRESSURE : 220 TO 405 PSI SPEED : 1480, 1500, 1760, 1800, 2900, 3000, 3500

AND 3600 RPM

- · Volute Type Thru-Bore Casing
- · Frame-Mounted Design
- · Small Footprint Ideal for Retrofit
- · Dynamically Balanced
- · Double Suction Impeller
- · Heavy Duty With Heavy Wall Thickness
- · 100% Hydrostatic & performance Tested

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

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."
- ** Compliant to NFPA 20 Design & Installation Requirements.

Model Dsg.	Rated Capacity (GPM)	Size (in.)	Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)	
GMS 150- 25SH		6x4	114-208	3500	300	
			121-220 206-289	3600 2900		
GMS 150- 40SM		6x4	221-310	3000	385	
GMS 150- SN 3 1SH	150 GPM	6x4	226-316	3500	405	
GIVIS 130-314 3 13H			239-334	3600		
GMS 150- 28SM		5X3	101-156	2900	239	
		5x3	108-167 125-224	3000 2900	318	
GMS 150- 35SM			133-240	3000		
GMS 200- 25SH		6x4	114-207	3500	300	
GIVIS 200 25511	200 GPM 250 GPM	0.004	121-219	3600	300	
GMS 200- 40SM		6x4	206-289	2900 3000	385	
		6x4	226-307	3500	405	
GMS 200- SN 3 1SH			239-335	3600		
GMS 200- 28SM		5X3	101-156	2900	239	
			108-167	3000	318 - 300 - 385	
GMS 200- 35SM		5X3	124-224 133-240	2900 3000		
			114-207	3500		
GMS 250- 25SH		6x4	121-219	3600		
GMS 250- 40SM		6x4	206-288	2900		
GIVIS 250- 405IVI		0.04	220 - 308	3000		
GMS 250- SN 3 1SH		6x4	226 - 317 239 - 335	3500	405	
		5x3	191-198	3600 2900	239	
GMS 250- 28SM			108 -167	3000		
GMS 250- 35SM		5X3	123.223	2900	318	
GIVI3 230- 333IVI			132-239	3000		
GMS 300- 35SM	300 GPM	5X3 - 6x4 - 6x4 - 5X3 - 5X3 - 6x4 -	122-222 131-237	2900 3000	319	
			114-206	3500		
GMS 300- 25SH			121-219	3600	300	
GMS 300- 4OSM			206-286	2900	385	
GIVIS 300- 403IVI			220-307	3000		
GMS 300- SN 3 1SH			226-316 239 - 334	3500 3600	405	
			100 - 156	2900		
GMS 300- 28SM			107-167	3000	239	
GMS 400- 35SM	400 GPM	5X3 5X3	120-219	2900	319	
GIVIS 400 - 5551VI			129-234	3000	317	
GMS 400- 28SM			98-155 105166	2900 3000	239	
			114-206	3500	300	
GMS 400- 25SH		6x4	120-218	3600		
GMS 400- 40SM		6x4	206-285	2900	385	
		6x4	221-305	3000		
GMS 400- SN 3 1SH			225-314 238-332	3500 3600	405	
		6x4 5X3 6x4	220-293	2900		
GMS 450- 37SM - 2G			236-315	3000	410	
GMS 450- 28SM			96155	2900	239	
3 200111			104-166	3000		
GMS 450- 25SH			113206 120-218	3500 3600	300	
CNAC AEO 40CNA	450 GPM	/ 1	205-284	2900	205	
GMS 450- 40SM		6x4	220-304	3000	385	
GMS 450- SN 3 1SH		6x4	224 - 313 237 - 331	3500	405	

Model Dsg.	Rated Capacity (GPM)	Size (in.)	Rated Net Pressure Range (PSI)	Approx Speed (RPM)	Max Working Pressure (PSI)
GMS 500- 37SM - 2G		6x4	216-296	2900	410
GMS 500- 37SM	-	5x3	233-314 134 - 233	3000 2900	290
		6x4	137 - 203 94-154	2900 2900	
GMS 500- 28SM		5X3	102-165 113205	3000 3500	239
GMS 500- 25SH		6x4	120-217	3600	300
GMS 500- 32SM	500 GPM	6x4	119-198 128212	2900 3000	290
GMS 500- 40SM		6x4	204-284 219-304	2900 3000	385
GMS 500- SN 3 1SH		6x4	224 - 312 237 - 330	3500 3600	405
GMS 750- 37SM - 2G		6x4	202-276	2900	410
GMS 750- 3 1SM		6X4	218-298 131-201	3000 2900	220
GMS 750- 25SH		6x4	106-199 113211	3500 3600	300
GMS 750- 32SM		6x4	111-194 120208	2900 3000	290
GMS 750- 29SM		8×5	148182	2900	268
GMS 75040SM		6x4	159-196 199 - 281	3000 2900	385
	750 GPM		214 - 301 218 - 309	3000 3500	
GMS 750- SN 3 1SH		6x4	231- 327 148 - 266	3600 3500	405
GMS 750- 12SH		8x5	157 - 281	3600	362
GMS 750- EL3 1SH		6x4	190-290 201-306	3500 3600	377
GMS 1000- 36SM - 2G		8x5	180-290 194-310	2900 3000	405
GMS 1000- 3 18M		654	134-195 143181	2900 2900	220
GMS 1000- 29SM		8x5	154194	3000	268
GMS 1000- 30SM		8x5	96172 106185	2900 3000	275
GMS 1000- 40SM		6x4	191-272 206-292	2900 3000	385
GMS 1000- 12SH		8x5 —	146 - 264 155 - 280	3500 3600	362
GMS 1000- 15SH	1000 GPM	8x5	152-205	3500	300
			160-217 163-278	3600 2900	375
GMS 1000- 36SM		8x5	175-298 187-289	3000 3500	
GMS 1000- EL3 1SH		6x4	199-306 171-281	3600 2900	377
GMS 1250- 36SM - 2G		8x5	184-302	3000	405
GMS 1250- 29SM - 2G		8x6	95-156 102-167	2900 3000	250
GMS 1250- 29SM		8X5	137-177 148191	2900 3000	268
GMS 125030SM		8X5 —	94170 101-182	2900 3000	275
GMS 1250- 12SH		8X5	207-264	3500	362
GMS 1250- 15SH	1250 GPM	8x6	219-279 150-205	3600 3500	300
			159-217 155-278	3600 2900	
GMS 1250- 36SM		8X5	168-298 178 - 287	3000 3500	375
GMS 1250- EL3 1SH		6x4	190 - 304	3600	377
GMS 1500- 29SM - 2G		8x6	100-155 105-167	2900 3000	250
GMS 1500- 6 1SL5-2G		12x10	99-164 101-168	1480 1500	260
GMS 1500- 6 1SL6-2G		12x10	142-168 149-176	1760 1800	260
GMS 1500- 30SM		8X5	88-167	2900	239
GMS 1500- 15SH	1500 GPM	8x6	95.179 149 - 207	3000 3500	300
			158 - 218 153 - 275	3600 2900	
GMS 1500- 36SM		8x5	164-295 145-203	3000 3500	375
GMS 2000- 15SH		8x6	154 - 215	3600	300
GMS 2000- 29SM - 2G		8x6	95-152 103-163	2900 3000	250
GMS 2000- 6 1SL5- 2G	2000 GPM	12x10	94-162 97-166	1480 1500	260
GMS 2000- 6 1SL6- 2G		12x10	136-165 142-173	1760 1800	260
GMS 2500- 29SM - 2G		8x6	89-145	2900 3000	250
GMS 2500- 6 1SL5- 2G		12x10	95-156 89-158	1480	260
GMS 2500- 6 1SL6- 2G	2500		92-162 132-163	1500 1760	260
		12x10	139-170 104-153	1800 1480	
GMS 3000- 6 1SL5- 2G	3000	12x10	108-157	1500	260
GMS 3000- 6 1SL6- 2G		12x10	125-156 131-164	1760 1800	260
GMS 3500- 6 1SL5-2G	3500	12x10	103-144 106-148	1485 1500	260
GMS 3500- 6 1SL6- 2G	3500	12×10	119-148 125-156	1760 1800	260

Sample Fire Pump Performance Curves

Split Case Fire Pump PUMP MODEL: GMS 2500-29SM-2G



^{**}LIFECO reserves the right, at its discretion, to change, modify, add or remove details/content at any time without prior notice



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