



DIESEL GENERATING SETS

Power outputs are to ISO 8528 Voltage (60Hz)
 single-phase: 220/110, 230/115, 240/120 V
 three-phase: 220/127, 230/133 V
 Power Factor: single-phase: 1.0 pf; three-phase: 0.8 pf.

Genset Rating Definitions to ISO 8528-1
Operating Conditions: A standard generating set is designed to operate in environmental conditions not exceeding an air inlet temperature of 25 C (77 F), altitude (above sea level) 152.4 metres (500 feet) and a relative humidity of 60%.
Prime Power: This rating is for the supply of continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation on the annual hours of operation and 10% overload power can be supplied for 1 hour in 12 hours.
Standby Power: This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

60 Hz

DIESEL

AIR COOLED

LIQUID COOLED



LLP LISTER PACK



HSL OPEN SET



HSL AND LLD (ALPHA) ACOUSTIC SET



LLD ALPHA OPEN SETS



LLD DELTA ACOUSTIC SET



LLG GAMMA ACOUSTIC SET



LLO (OMEGA) OPEN SET

Genset Type	Engine series		K Series		T Series					Alpha								Delta		Gamma										Omega							
	Model code		LLP 3.3	LLP 5.0	HSL 8	HSL 8A	HSL 15	HSL 15A	HSL 24	HSL 24A	LLD 95	LLD 95A	LLD 140	LLD 140A	LLD 190	LLD 190A	LLD 250	LLD 250A	LLD 410	LLD 410A	LLG 30	LLG 30A	LLG 50	LLG 50A	LLG 70	LLG 70A	LLG 100	LLG 100A	LLG 110	LLG 110A	LLG 140	LLG 140A	LLO 200				
	Open set = O; Acoustic/enclosed set = A		A	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A			
Engine model		ZA296	ZA418	TR1		TR2		TR3		LPW(S)2		LPW(S)3		LPW(S)4		LPW(S)T4		DWS4		GW3		GW4		GWT4		GWT6-1A		GWT6-2A		GWT6		OWT6					
60 Hz	1800 r/min	Single phase	Prime	kVA / kW	5.0	5.0	9.5	9.5	17.3	17.3	6.9 ^[3]	6.9 ^[3]	10.5 ^[3]	10.5 ^[3]	14.8 ^[3]	14.8 ^[3]	19.3 ^[3]	19.3 ^[3]																			
			Standby	kVA / kW	5.5	5.5	10.5	10.5	19.0	19.0	7.5 ^[3]	7.5 ^[3]	11.5 ^[3]	11.5 ^[3]	16.3 ^[3]	16.3 ^[3]	21.2 ^[3]	21.2 ^[3]																			
		Three phase	Prime	kVA	6.7	6.7	13.6	13.6	22.0	22.0	8.6 ^[3]	8.6 ^[3]	13.3 ^[3]	13.3 ^[3]	18.5 ^[3]	18.5 ^[3]	24.4 ^[3]	24.4 ^[3]	36.0	36.0	31.0	31.0	43	43	69	69	94	94	113	113	138	138	256	256			
			Standby	kVA	5.3	5.3	10.9	10.9	17.6	17.6	6.9 ^[3]	6.9 ^[3]	10.6 ^[3]	10.6 ^[3]	14.8 ^[3]	14.8 ^[3]	19.5 ^[3]	19.5 ^[3]	28.8	28.8	25.0	25.0	34	34	55	55	75	75	90	90	110	110	205	205			
	3600 r/min	Single phase	Prime	kVA / kW	3.3	5.0																															
			Standby	kVA / kW	3.6	5.5																															
Engine	Cylinders	Number of cylinders		1	1	1	1	2	2	3	3	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6			
	Injection	D = Direct; I = Indirect		D	D	D	D	D	D	D	D	D (I)	D (I)	D (I)	D (I)	D (I)	D (I)	D (I)	D	I	I	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
	Aspiration	N=natural; T=turbo; I=intercooled		N	N	N	N	N	N	N	N	N	N	N	N	T	T	T	N	N	N	N	N	N	T	T	T	T	T	T	T	T	T	T	T		
Governing	M=mechanical, E=electronic, () = optional		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	E	E	
Alternator	Single bearing, brushless, solid state AVR, class H insulation, IP21-3 protection		Yes Class B	Yes Class B	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Battery	Starter battery and leads supplied		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Control system	Electronic digital control module with automatic shutdown fault protection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Emergency stop button(s)		No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operation Mode	Manual/remote start=MR Automatic mains failure=AMF		Manual	Manual	MR/AMF		MR/AMF		MR/AMF	MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF			
Noise Rating	At 75% load	dBA at 1 m	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D	77	77	77	77	77	76	76	76	76	76	N/D	N/D	N/D	N/D			
		dBA at 7 m	78	78	N/D	65	N/D	65	N/D	65	N/D	64	N/D	64	N/D	65	N/D	62 ^[2]	N/D	N/D	66	N/D	66	N/D	66	N/D	66	N/D	66	N/D	66	N/D	66	N/D	N/D		
Silencers	E=engine-mounted, R= residential; () = option		R	R	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)		
Weight	kg	140	158	358	555	428	625	518	715	396	500	417	540	456	580	466 ^[1]	590 ^[1]	592	820	775	1280	1193	1686	1431	1921	1860	2493	1860	2493	1876	2509	2200	7517				
		lb	308	348	789	1224	943	1378	1142	1576	873	1102	919	1190	1105	1279	1027 ^[1]	1301 ^[1]	1305	1808	1707	2820	2630	3717	3155	4235	4101	5496	4101	5496	4136	5531	4840	3410			
Length	mm	830	910	1442	1693	1442	1693	1442	1693	1442	1693	1442	1693	1442	1693	1442 ^[1]	1693 ^[1]	1600	2000	1900	1950	2200	2645	2200	2645	2640	3366	2640	3366	2640	3366	2790	153.5				
		in	32	35	56.8	56.8	56.8	66.6	56.8	66.6	56.8	66.6	56.8	66.6	56.8	66.6	56.8 ^[1]	66.6 ^[1]	63.0	78.9	74.8	77	86.6	104.1	86.6	104.1	103.9	132.5	103.9	132.5	103.9	132.5	110	3900			
Width	mm	532	532	715	743	715	743	715	743	715	743	715	743	715	743	715 ^[1]	743 ^[1]	700	850	710	1050	996	1000	996	1000	1093	1100	1093	1100	1093	1100	1600	57.6				
		in	20	20	28.1	29.2	28.1	29.2	28.1	29.2	28.1	29.2	28.1	29.2	28.1	29.2	28.1 ^[1]	29.2 ^[1]	27.5	33.5	28.4	41	39.2	39.4	39.2	39.4	43.0	43.3	43.0	43.3	43.0	43.3	63	1463			
Height	mm	740	740	1020	1143	1020	1143	1020	1143	997	1143	997	1143	997	1143	997 ^[1]	1143 ^[1]	1110	1300	1300	1600	1527	1643	1527	1643	1677	1949	1677	1949	1677	1949	870	84.7				
		in	29	29	40.2	45.0	40.2	45.0	40.2	45.0	39.3	45.0	39.3	45.0	39.3	45.0	39.3 ^[1]	45.0 ^[1]	43.7	51.1	51	63	60.1	64.7	60.1	64.7	66.0	76.7	66.0	76.7	66.0	76.7	34	2151			

P027-08070 © LISTER PETTER LTD
 JANUARY 2012

UK - Tel: +44 (0) 1453544141;
 Rest of the World - Tel: +971 (0) 43724315;
 Website : www.lister-petter.com

Key to Emissions Compliance

EU Stage 3A only	
USA EPA Interim Tier 4 only	
EU Stage 3A, USA EPA Interim Tier 4	

Lister Petter alternators are standard. N/A = not applicable N/D = no data available TBA = to be announced
 [1] Weights and dimensions for LPWST4 vary from LPWT4; [2] 59.2 dBA for LPWST4; [3] Both LPW and LPWS engines available, but require LPWS for exhaust emissions compliance.