DIESEL AND GAS GENERATING SETS

Power outputs are to ISO 8528
Voltage (50Hz)
single phase: 220-230-240 V
three-phase: 380/220, 400/230, 415/240 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.

50 Hz

DIESEL — **GAS**

AIR COOLED — **LIQUID COOLED**

LISTER PACK

AD1

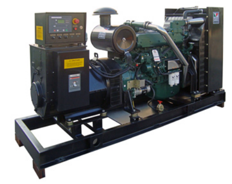
HSL OPEN SET

HSL AND LLD (ALPHA) ACOUSTIC SET

LLD (ALPHA) OPEN SETS

DELTA ACOUSTIC SET

GAMMA ACOUSTIC SET



LLO (OMEGA) OPEN SET

GS (ALPHA) GAS GENSET

Genset Type: Model code	LLP 2.8	LLP 4.5	AD1	HSL 8	HSL 8A	HSL 15	HSL 15A	HSL 24	HSL 24A	LLD 95	LLD 95A	LLD 135	LLD 140	LLD 140A	LLD 200	LLD 190	LLD 190A	LLD 275	LLD 250	LLD 250A	LLD 400
Engine series	K Series		AD	T Series						Alpha Series											
Open set = O; acoustic set = A	A	A	O	O	A	O	A	O	A	O	A	O	O	A	O	O	A	O	O	A	O
Engine model	ZA296	ZA418	AD1	TR1		TR2		TR3		LPW(S)2			LPW(S)3			LPW(S)4			LPW(S)T4 [2]		LPWT4
50 Hz, 1500 r/min, Single phase, Prime, kVA				4.1	4.1	8.6	8.6	14.0	14.0	5.6	5.6		8.7	8.7		12.2	12 2		16.1	16.1	
50 Hz, 1500 r/min, Single phase, Prime, kWe				4.1	4.1	8.6	8.6	14.0	14.0	5.6	5.6		8.7	8.7		12.2	12 2		16.1	16.1	
50 Hz, 1500 r/min, Single phase, Standby, kVA				4.5	4.5	9.4	9.4	15.4	15.4	6.1	6.1		9.5	9.5		13.5	13 5		17.7	17.7	
50 Hz, 1500 r/min, Single phase, Standby, kWe				4.5	4.5	9.4	9.4	15.4	15.4	6.1	6.1		9.5	9.5		13.5	13 5		17.7	17.7	
50 Hz, 1500 r/min, Three phase, Prime, kVA				5.3	5.3	11 2	11 2	18.1	18.1	7.0	7.0		10 9	10.9		15.0	15.0		20.0	20.0	
50 Hz, 1500 r/min, Three phase, Prime, kWe				4.3	4.3	9.0	9.0	14.5	14.5	5.6	5.6		8.7	8.7		12.0	12.0		16.0	16.0	
50 Hz, 1500 r/min, Three phase, Standby, kVA				5.9	5.9	12 3	12.3	19.9	19.9	7.6	7.6		12.0	12.0		16.5	16 5		22.0	22.0	
50 Hz, 1500 r/min, Three phase, Standby, kWe				4.7	4.7	9.9	9.9	15.9	15.9	6.1	6.1		9.6	9.6		13.2	13 2		17.6	17.6	
50 Hz, 3000 r/min (1), Single phase, Prime, kVA/kWe	2.8	4.5	4.0									10 2			15.4[4]			20.9[5]			
50 Hz, 3000 r/min (1), Single phase, Standby, kVA/kWe	3.1	5.0	4.4									11 2			16 9[4]			23.0[5]			
50 Hz, 3000 r/min (1), Three phase, Prime, kVA												13.7			20 3[4]			28.1[5]			39.5
50 Hz, 3000 r/min (1), Three phase, Prime, kWe												11.0			16 3[4]			22.5[5]			31.6
50 Hz, 3000 r/min (1), Three phase, Standby, kVA												15.1			22.4[4]			30.9[5]			43.5
50 Hz, 3000 r/min (1), Three phase, Standby, kWe												12.1			17 9[4]			24.8[5]			34.8
Engine: Cylinders (Number of cylinders)	1	1	1	1	1	2	2	3	3	2	2	2	3	3	3	4	4	4	4	4	4
Engine: Injection (D-direct, I=indirect)	D	D	D	D	D	D	D	D	D	D(I)	D(I)	D(I)	D(I)	D(I)	D(I)	D(I)	D(I)	D(I)	D (I)	D	D
Engine: Aspiration (N=natural T=turbo I=intercooled)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	T	T	T
Engine: Governing (M=mechanical, E=electronic)	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Alternator: Single bearing, brushless, solid state AVR, class H insulation, P21-3 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
Battery: 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
Control System: Electronic digital control module, automatic shutdown protection, manual/ remote or AMF modes	Yes (No remote or AMF)	Yes (No remote or AMF)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Control System: Emergency stop button(s)	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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	N/D
Noise Rating: At 75% load, dBA at 7 m	78	78	N/D		64		64		64		64			64			65			62[3]	
Silencers: E=engine-mounted, R=residential, ( )=optional	R	R	N/D	E (R)	R	E (R)	R	E (R)	R	E (R)	R	E (R)	E (R)	R	E (R)	E (R)	R	E (R)	E (R)	R	E (R)
Weight, kg	140	158	125	358	555	428	625	518	715	396	500	396	417	540	417	456	580	456	466	590	466
Weight, lb	308	348	275	789	1224	943	1378	1142	1576	873	1102	873	919	1190	919	1005	1279	1005	1027	1301	1027
Length, mm	830	910	760	1442	1693	1442	1693	1442	1693	1442	1693	1442	1442	1693	1442	1442	1693	1442	1442	1693	1442
Length, in	32	35	29.9	56.8	56.8	56.8	66.6	56.8	66.6	56.8	66.6	56.8	56.8	66.6	56.8	56.8	66.6	56.8	56.8	66.6	56.8
Width, mm	532	532	480	715	743	715	743	715	743	715	743	715	715	743	715	715	743	715	715	743	715
Width, in	20	20	18.9	28.1	29 2	28.1	29.2	28.1	29.2	28.1	29 2	28.1	28.1	29.2	28.1	28.1	29 2	28.1	28.1	29.2	28.1
Height, mm	740	740	600	1020	1143	1020	1143	1020	1143	997	1143	997	997	1143	997	997	1143	997	997	1143	997
Height, in	29	29	23.6	40 2	45.0	40 2	45.0	40.2	45.0	39 3	45.0	39 3	39 3	45.0	39.3	39.3	45.0	39 3	39 3	45.0	39.3

Genset Type: Model code	LLD 410	LLD 410A	LLG 50	LLG 50A	LLG 70	LLG 70A	LLG 100	LLG 100A	LLG 110	LLG 110A	LLG 140	LLG 140A	LLO 200 /			GS 10N		GS 12P		GS 15N		GS 17P	
Engine series	Delta Series		Gamma Series										Omega Series			Alpha Gas Gensets							
Open set = O; acoustic set = A	O	A	O	A	O	A	O	A	O	A	O	A	175	200	225	O	A	O	A	O	A	O	A
Engine model	DWS4		GW4		GWT4		GWT6-1A		GWT6-2A		GWTA6		OWTA6			LPWG3		LPWG3		LPWG4		LPWG4	
50 Hz, 1500 r/min, Single phase, Prime, kVA																7.4	7.4	8.4	8.4	10.3	10.3	11.7	11.7
50 Hz, 1500 r/min, Single phase, Prime, kWe																7.4	7.4	8.4	8.4	10.3	10.3	11.7	11.7
50 Hz, 1500 r/min, Single phase, Standby, kVA																8.1	8.1	9.2	9 2	11.3	11.3	12.8	12.8
50 Hz, 1500 r/min, Single phase, Standby, kWe																8.1	8.1	9.2	9 2	11.3	11.3	12.8	12.8
50 Hz, 1500 r/min, Three phase, Prime, kVA	30.0	30.0	45	45	63	63	90	90	100	100	125	125	175	200	225	9.3	9.3	10.6	10.6	12.8	12.8	14 5	14 5
50 Hz, 1500 r/min, Three phase, Prime, kWe	24.0	24.0	36	36	50	50	72	72	80	80	100	100	140	160	180	7.4	7.4	8.4	8.4	10.4	10.4	11.8	11.8
50 Hz, 1500 r/min, Three phase, Standby, kVA	33.0	33.0	50	50	69	69	100	100	110	110	138	138	193	220	248	10 2	10 2	11.7	11.7	14.0	14.0	15 9	15 9
50 Hz, 1500 r/min, Three phase, Standby, kWe	26.4	26.4	40	40	55	55	80	80	88	88	110	110	154	176	198	8.1	8.1	9.3	9 3	11.4	11.4	12 9	12 9
50 Hz, 3000 r/min (1), Single phase, Prime, kVA/kWe																							
50 Hz, 3000 r/min (1), Single phase, Standby, kVA/kWe																							
50 Hz, 3000 r/min (1), Three phase, Prime, kVA																							
50 Hz, 3000 r/min (1), Three phase, Prime, kWe																							
50 Hz, 3000 r/min (1), Three phase, Standby, kVA																							
50 Hz, 3000 r/min (1), Three phase, Standby, kWe																							
Engine: Cylinders (Number of cylinders)	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6	3	3	3	3	4	4	4	4
Engine: Injection (D-direct, I=indirect)	I	I	D	D	D	D	D	D	D	D	D	D	D	D	D	N/A: Spark ignition							
Engine: Aspiration (N=natural T=turbo I=intercooled)	N	N	N	N	T	T	T	T	T	T	T, I	T, I	T,I	T,I	T, I	N	N	N	N	N	N	N	N
Engine: Governing (M=mechanical, E=electronic)	M	M	M	M	M	M	M	M	M	M	E	E	E	E	E	E	E	E	E	E	E	E	E
Alternator: Single bearing, brushless, solid state AVR, class H insulation, P21-3 protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Battery: Battery and leads supplied	Yes	Yes	Leads only		Leads only		Leads only		Leads only		Leads only		Yes	Yes	Yes	Leads only		Leads only		Leads only		Leads only	
Control System: Electronic digital control module, automatic shutdown protection, manual/ remote or AMF modes	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: Emergency stop button(s)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Option		Option		Option		Option	
Noise Rating: At 75% load, dBA at 1 m	N/D	N/D	N/D	77	N/D	77	N/D	76	N/D	76	N/D	76	97	97	97	N/D		N/D		N/D		N/D	
Noise Rating: At 75% load, dBA at 7 m		70	N/D	66	N/D	66	N/D	66	N/D	66	N/D	66	87	87	87	N/D	65	N/D	65	N/D	66	N/D	66
Silencers: E=engine-mounted, R=residential, ( )=optional	E	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)	(E)	(E)	E	R	E	R	E	R	E	R
Weight, kg	592	820	1193	1686	1431	1921	1860	2493	1860	2493	1876	2509	2000	2100	2200	290	367	290	367	417	513	417	513
Weight, lb	1305	1808	2630	3717	3155	4235	4101	5496	4101	5496	4136	5531	4400	4620	4840	640	810	640	810	920	1130	920	1130
Length, mm	1600	2000	2200	2645	2200	2645	2640	3366	2640	3366	2640	3366	2790	2790	2790	1480	1693	1480	1693	1480	1693	1480	1693
Length, in	63.0	78.9	86.6	104.1	86.6	104.1	103 9	132.5	103.9	132.5	103.9	132.5	110	110	110	58 3	66.6	58.3	66.6	58.3	66.6	58 3	66.6
Width, mm	700	850	996	1000	996	1000	1093	1100	1093	1100	1093	1100	870	870	870	711	743	711	743	711	743	711	743
Width, in	27 5	33.5	39 2	39.4	39.2	39.4	43.0	43.3	43.0	43 3	43.0	43 3	34	34	34	28	29 2	28	29.2	28	29.2	28	29 2
Height, mm	1110	1300	1527	1643	1527	1643	1677	1949	1677	1949	1677	1949	1600	1600	1600	1029	1143	1029	1143	1029	1143	1029	1143
Height, in	43.7	51.1	60.1	64.7	60.1	64.7	66.0	76.7	66.0	76.7	66.0	76.7	63	63	63	40 5	45.0	40.5	45.0	40.5	45.0	40 5	45.0

P027-08069 © LISTER PETTER LTD JULY 2011

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

Key to Emissions Compliance

Key	Colour
EU Stage 3A only	lilac
EU Stage 3A, India GSR 448(E)	pink
EU Stage 3A, USA EPA Interim Tier 4 and India GSR 448(E)	blue

Lister Petter alternators are standard. N/A = not applicable; N/D = no data available; TBA = to be announced [1] 50 Hz, 3000 r/min outputs are based on Mecc Alte Alternators; [2] Weight and dimensions for LPWST4 vary from LPWT4; [3] 59.2 dBA for LPWST4; [4] LPWS3 only; [5] LPWS4 only.

DIESEL AND GAS 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 — **GAS**

AIR COOLED — **LIQUID COOLED**

LISTER PACK

HSL OPEN SET

HSL AND LLD (ALPHA) ACOUSTIC SET

LLD (ALPHA) OPEN SETS

DELTA ACOUSTIC SET

GAMMA ACOUSTIC SET

LLO (OMEGA) OPEN SET

GS (ALPHA) GAS GENSET

Diesel, air cooled: K Series and T Series

Genset Type – Engine series	K Series		T Series					
Genset Type – Model code	LLP 3.3	LLP 5.0	HSL 8	HSL 8A	HSL 15	HSL 15A	HSL 24	HSL 24A
Open set = O; Acoustic/enclosed set = A	A	A	O	A	O	A	0	A
Engine model	ZA296	ZA418	TR1		TR2		TR3	
60 Hz – 1800 r/min – Single phase – Prime – kVA			5.0	5.0	9.5	9 5	17.3	17 3
60 Hz – 1800 r/min – Single phase – Prime – kWe			5.0	5.0	9.5	9 5	17.3	17 3
60 Hz – 1800 r/min – Single phase – Standby – kVA			5 5	5.5	10 5	10.5	19.0	19.0
60 Hz – 1800 r/min – Single phase – Standby – kWe			5 5	5.5	10 5	10.5	19.0	19.0
60 Hz – 1800 r/min – Three phase – Prime – kVA			6.7	6.7	13.6	13.6	22.0	22.0
60 Hz – 1800 r/min – Three phase – Prime – kWe			5 3	5.3	10 9	10.9	17.6	17.6
60 Hz – 1800 r/min – Three phase – Standby – kVA			7 3	7.3	15.0	15.0	24.2	24 2
60 Hz – 1800 r/min – Three phase – Standby – kWe			5 9	5.9	12.0	12.0	19.4	19.4
60 Hz – 3600 r/min – Single phase – Prime – kVA	3.3	5.0						
60 Hz – 3600 r/min – Single phase – Prime – kWe	3.3	5.0						
60 Hz – 3600 r/min – Single phase – Standby – kVA	3.6	5.5						
60 Hz – 3600 r/min – Single phase – Standby – kWe	3.6	5.5						
Engine – Cylinders – Number of cylinders	1	1	1	1	2	2	3	3
Engine – Injection – Direct/Indirect	D	D	D	D	D	D	D	D
Engine – Aspiration – N=natural; T=turbo; I=intercooled	N	N	N	N	N	N	N	N
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
Governing – M=mechanical, E=electronic, ( ) = optional	M	M	M	M	M	M	M	M
Battery – Starter battery and leads supplied	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
Control system – Emergency stop button(s)	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Operation Mode – Manual/remote start=MR Automatic mains failure=AMF	Manual	Manual	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
Noise Rating – At 75% load – dBA at 7 m	78	78		65		65		65
Silencers – E=engine-mounted, R= residential; ( ) = option	R	R	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)
Weight – lb	308	348	789	1224	943	1378	1142	1576
Weight – kg	140	158	358	555	428	625	518	715
Length – in	32	35	56.8	56.8	56.8	66.6	56.8	66.6
Length – mm	830	910	1442	1693	1442	1693	1442	1693
Width – in	20	20	28.1	29 2	28.1	29.2	28.1	29 2
Width – mm	532	532	715	743	715	743	715	743
Height – in	29	29	40.2	45.0	40 2	45.0	40.2	45.0
Height – mm	740	740	1020	1143	1020	1143	1020	1143

Diesel, liquid cooled: Alpha and Delta

Genset Type – Engine series	Alpha								Delta	
Genset Type – Model code	LLD 95	LLD 95A	LLD 140	LLD 140A	LLD 190	LLD 190A	LLD 250	LLD 250A	LLD 410	LLD 410A
Open set = O; Acoustic/enclosed set = A	O	A	O	A	O	A	O	A	O	A
Engine model	LPW(S)2		LPW(S)3		LPW(S)4		LPW(S)T4 [1]		DWS4	
60 Hz – 1800 r/min – Single phase – Prime – kVA	6.9	6.9	10.5	10.5	14.8	14.8	19.3 [3]	19 3 [3]		
60 Hz – 1800 r/min – Single phase – Prime – kWe	6.9	6.9	10.5	10.5	14.8	14.8	19.3 [3]	19 3 [3]		
60 Hz – 1800 r/min – Single phase – Standby – kVA	7.5	7.5	11.5	11.5	16.3	16 3	21.2 [3]	21 2 [3]		
60 Hz – 1800 r/min – Single phase – Standby – kWe	7.5	7.5	11.5	11.5	16.3	16 3	21.2 [3]	21 2 [3]		
60 Hz – 1800 r/min – Three phase – Prime – kVA	8.6	8.6	13.3	13.3	18.5	18 5	24.4 [3]	24.4 [3]	36.0	36.0
60 Hz – 1800 r/min – Three phase – Prime – kWe	6.9	6.9	10.6	10.6	14.8	14.8	19.5 [3]	19 5 [3]	28.8	28.8
60 Hz – 1800 r/min – Three phase – Standby – kVA	9.5	9.5	14.6	14.6	20.3	20 3	26.9 [3]	26 9 [3]	39.6	39.6
60 Hz – 1800 r/min – Three phase – Standby – kWe	7.6	7.6	11.7	11.7	16.2	16 2	21.5 [3]	21 5 [3]	31.7	31.7
60 Hz – 3600 r/min – Single phase – Prime – kVA										
60 Hz – 3600 r/min – Single phase – Prime – kWe										
60 Hz – 3600 r/min – Single phase – Standby – kVA										
60 Hz – 3600 r/min – Single phase – Standby – kWe										
Engine – Cylinders – Number of cylinders	2	2	3	3	4	4	4	4	4	4
Engine – Injection – Direct/Indirect	D (I)	D (I)	D (I)	D (I)	D (I)	D (I)	D (I)	D	I	I
Engine – Aspiration – N=natural; T=turbo; I=intercooled	N	N	N	N	N	T	T	T	N	N
Alternator – Single bearing, brushless, solid state AVR, class H insulation, IP21-3 protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Governing – M=mechanical, E=electronic, ( ) = optional	M	M	M	M	M	M	M	M	M	M
Battery – Starter battery and leads supplied	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
Control system – Emergency stop button(s)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operation Mode – Manual/remote start=MR Automatic mains failure=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	
Noise Rating – At 75% load – dBA at 7 m		64		64		65		62 [2]		
Silencers – E=engine-mounted, R= residential; ( ) = option	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	R
Weight – lb	873	1102	919	1190	1105	1279	1027	1301	1305	1808
Weight – kg	396	500	417	540	456	580	466	590	592	820
Length – in	56.8	66.6	56.8	66.6	56.8	66.6	56.8	66.6	63.0	78 9
Length – mm	1442	1693	1442	1693	1442	1693	1442	1693	1600	2000
Width – in	28.1	29 2	28.1	29.2	28.1	29 2	28.1	29.2	27.5	33 5
Width – mm	715	743	715	743	715	743	715	743	700	850
Height – in	39.3	45.0	39.3	45.0	39.3	45.0	39 3	45.0	43.7	51.1
Height – mm	997	1143	997	1143	997	1143	997	1143	1110	1300

Diesel, liquid cooled: Gamma and Omega

Genset Type – Engine series	Gamma										Omega
Genset Type – Model code	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	O	A	O	A	O	A	O	A	O	A	O
Engine model	GW4		GWT4		GWT6-1A		GWT6-2A		GWTA6		OWTA6
60 Hz – 1800 r/min – Single phase – Prime – kVA											
60 Hz – 1800 r/min – Single phase – Prime – kWe											
60 Hz – 1800 r/min – Single phase – Standby – kVA											
60 Hz – 1800 r/min – Single phase – Standby – kWe											
60 Hz – 1800 r/min – Three phase – Prime – kVA	43	43	69	69	94	94	113	113	138	138	256
60 Hz – 1800 r/min – Three phase – Prime – kWe	34	34	55	55	75	75	90	90	110	110	205
60 Hz – 1800 r/min – Three phase – Standby – kVA	47	47	75	75	106	106	125	125	150	150	282
60 Hz – 1800 r/min – Three phase – Standby – kWe	37	37	60	60	85	85	100	100	120	120	226
60 Hz – 3600 r/min – Single phase – Prime – kVA											
60 Hz – 3600 r/min – Single phase – Prime – kWe											
60 Hz – 3600 r/min – Single phase – Standby – kVA											
60 Hz – 3600 r/min – Single phase – Standby – kWe											
Engine – Cylinders – Number of cylinders	4	4	4	4	6	6	6	6	6	6	6
Engine – Injection – Direct/Indirect	D	D	D	D	D	D	D	D	D	D	D
Engine – Aspiration – N=natural; T=turbo; I=intercooled	N	N	T	T	T	T	T	T	T, I	T, I	T, I
Alternator – Single bearing, brushless, solid state AVR, class H insulation, IP21-3 protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Governing – M=mechanical, E=electronic, ( ) = optional	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	E
Battery – Starter battery and leads supplied	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
Control system – Emergency stop button(s)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operation Mode – Manual/remote start=MR Automatic mains failure=AMF	MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF		MR/AMF
Noise Rating – At 75% load – dBA at 1 m	N/D	77	N/D	77	N/D	76	N/D	76	N/D	76	N/D
Noise Rating – At 75% load – dBA at 7 m		66		66		66		66		66	
Silencers – E=engine-mounted, R= residential; ( ) = option	(E)	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)
Weight – lb	2630	3717	3155	4235	4101	5496	4101	5496	4136	5531	4840
Weight – kg	1193	1686	1431	1921	1860	2493	1860	2493	1876	2509	2200
Length – in	86.6	104.1	86.6	104.1	103.9	132.5	103.9	132 5	103 9	132.5	110
Length – mm	2200	2645	2200	2645	2640	3366	2640	3366	2640	3366	2790
Width – in	39 2	39.4	39.2	39.4	43.0	43 3	43.0	43.3	43.0	43 3	63
Width – mm	996	1000	996	1000	1093	1100	1093	1100	1093	1100	1600
Height – in	60.1	64.7	60.1	64.7	66.0	76.7	66.0	76.7	66.0	76.7	34
Height – mm	1527	1643	1527	1643	1677	1949	1677	1949	1677	1949	870

Gas, liquid cooled: Alpha Gas Gensets

Genset Type – Engine series	Alpha Gas Gensets							
Genset Type – Model code	GS 10N		GS 12P		GS 15N		GS 17P	
Open set = O; Acoustic/enclosed set = A	O	A	O	A	O	A	O	A
Engine model	LPWG3		LPWG3		LPWG4		LPWG4	
60 Hz – 1800 r/min – Single phase – Prime – kVA	9.3	9 3	11 3	11 3	12.8	12.8	14.5	14 5
60 Hz – 1800 r/min – Single phase – Prime – kWe	9.3	9 3	11 3	11 3	12.8	12.8	14.5	14 5
60 Hz – 1800 r/min – Single phase – Standby – kVA	10 2	10.2	12.4	12.4	14.1	14.1	16.0	16.0
60 Hz – 1800 r/min – Single phase – Standby – kWe	10 2	10.2	12.4	12.4	14.1	14.1	16.0	16.0
60 Hz – 1800 r/min – Three phase – Prime – kVA	11.6	11.6	14.2	14 2	15 9	15.9	18.1	18.1
60 Hz – 1800 r/min – Three phase – Prime – kWe	9.2	9 2	11 3	11 3	13.0	13.0	14.8	14.8
60 Hz – 1800 r/min – Three phase – Standby – kVA	12.7	12.7	15.6	15.6	17 5	17.5	19.9	19 9
60 Hz – 1800 r/min – Three phase – Standby – kWe	10.1	10.1	12.4	12.4	14 3	14.3	16.3	16 3
60 Hz – 3600 r/min – Single phase – Prime – kVA								
60 Hz – 3600 r/min – Single phase – Prime – kWe								
60 Hz – 3600 r/min – Single phase – Standby – kVA								
60 Hz – 3600 r/min – Single phase – Standby – kWe								
Engine – Cylinders – Number of cylinders	3	3	3	3	4	4	4	4
Engine – Injection – Direct/Indirect	N/A: Spark ignition							
Engine – Aspiration – N=natural; T=turbo; I=intercooled	N	N	N	N	N	N	N	N
Alternator – Single bearing, brushless, solid state AVR, class H insulation, IP21-3 protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Governing – M=mechanical, E=electronic, ( ) = optional	E	E	E	E	E	E	E	E
Battery – Starter battery and leads supplied	Leads only		Leads only		Leads only		Leads only	
Control system – Electronic digital control module with automatic shutdown fault protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Control system – Emergency stop button(s)	Option		Option		Option		Option	
Operation Mode – Manual/remote start=MR Automatic mains failure=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	
Noise Rating – At 75% load – dBA at 7 m	73.8	65	69.6	65	72.7	66	72.7	66
Silencers – E=engine-mounted, R= residential; ( ) = option	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)
Weight – lb	640	810	640	810	920	1130	920	1130
Weight – kg	290	367	290	367	417	513	417	513
Length – in	58 3	66.6	58.3	66.6	58 3	66.6	58.3	66.6
Length – mm	1480	1693	1480	1693	1480	1693	1480	1693
Width – in	28	29.2	28	29 2	28	29.2	28	29 2
Width – mm	711	743	711	743	711	743	711	743
Height – in	40 5	45.0	40.5	45.0	40 5	45.0	40.5	45.0
Height – mm	1029	1143	1029	1143	1029	1143	1029	1143

P027-08070 © LISTER PETTER LTD JULY 2011

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

Key to Emissions Compliance

USA EPA Interim Tier 4 only	(green)
EU Stage 3A, USA EPA Interim Tier 4	(yellow)

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] LPWST4 only.