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

Air cooled: K Series, AD, T Series

Genset Type									
Engine series	K Series		AD	T Series					
Model code	LLP 2.8	LLP 4.5	AD1	HSL 8	HSL 8A	HSL 15	HSL 15A	HSL 24	HSL 24A
Open set = O; acoustic set = A	A	A	O	O	A	O	A	O	A
Engine model	ZA296	ZA418	AD1	TR1		TR2		TR3	
50 Hz, 1500 r/min, Single phase, Prime, kVA				4.1	4.1	8.6	8.6	14.0	14.0
50 Hz, 1500 r/min, Single phase, Prime, kWe				4.1	4.1	8.6	8.6	14.0	14.0
50 Hz, 1500 r/min, Single phase, Standby, kVA				4.5	4.5	9.4	9.4	15.4	15.4
50 Hz, 1500 r/min, Single phase, Standby, kWe				4.5	4.5	9.4	9.4	15.4	15.4
50 Hz, 1500 r/min, Three phase, Prime, kVA				5.3	5.3	11 2	11 2	18.1	18.1
50 Hz, 1500 r/min, Three phase, Prime, kWe				4.3	4.3	9.0	9.0	14.5	14.5
50 Hz, 1500 r/min, Three phase, Standby, kVA				5.9	5.9	12 3	12.3	19.9	19.9
50 Hz, 1500 r/min, Three phase, Standby, kWe				4.7	4.7	9.9	9.9	15.9	15.9
50 Hz, 3000 r/min (1), Single phase, Prime, kVA/kWe	2.8	4.5	4.0						
50 Hz, 3000 r/min (1), Single phase, Standby, kVA/kWe	3.1	5.0	4.4						
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)	1	1	1	1	1	2	2	3	3
Engine: Injection (D-direct, I=indirect)	D	D	D	D	D	D	D	D	D
Engine: Aspiration (N=natural T=turbo I=intercooled)	N	N	N	N	N	N	N	N	N
Engine: Governing (M=mechanical, E=electronic)	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
Battery: Battery and leads supplied	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
Control System: Emergency stop button(s)	No	No	No	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
Noise Rating: At 75% load, dBA at 7 m	78	78	N/D		64		64		64
Silencers: E=engine-mounted, R=residential, ( )=optional	R	R	N/D	E (R)	R	E (R)	R	E (R)	R
Weight, kg	140	158	125	358	555	428	625	518	715
Weight, lb	308	348	275	789	1224	943	1378	1142	1576
Length, mm	830	910	760	1442	1693	1442	1693	1442	1693
Length, in	32	35	29.9	56.8	56.8	56.8	66.6	56.8	66.6
Width, mm	532	532	480	715	743	715	743	715	743
Width, in	20	20	18.9	28.1	29 2	28.1	29.2	28.1	29.2
Height, mm	740	740	600	1020	1143	1020	1143	1020	1143
Height, in	29	29	23.6	40 2	45.0	40 2	45.0	40.2	45.0

Liquid cooled diesel: Alpha Series

Genset Type												
Engine series	Alpha Series											
Model code	LLD 95	LLD 95A	LLD 135	LLD 140	LLD 140A	LLD 200	LLD 190	LLD 190A	LLD 275	LLD 250	LLD 250A	LLD 400
Open set = O; acoustic set = A	O	A	O	O	A	O	O	A	O	O	A	O
Engine model	LPW(S)2			LPW(S)3			LPW(S)4			LPW(S)T4 [2]		LPWT4
50 Hz, 1500 r/min, Single phase, Prime, kVA	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	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	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	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	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	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	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	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			10 2			15.4[4]			20.9[5]			
50 Hz, 3000 r/min (1), Single phase, Standby, kVA/kWe			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)	2	2	2	3	3	3	4	4	4	4	4	4
Engine: Injection (D-direct, I=indirect)	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	T	T	T
Engine: Governing (M=mechanical, E=electronic)	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	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
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
Control System: Emergency stop button(s)	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
Noise Rating: At 75% load, dBA at 7 m		64			64			65			62[3]	
Silencers: E=engine-mounted, R=residential, ( )=optional	E (R)	R	E (R)	E (R)	R	E (R)	E (R)	R	E (R)	E (R)	R	E (R)
Weight, kg	396	500	396	417	540	417	456	580	456	466	590	466
Weight, lb	873	1102	873	919	1190	919	1005	1279	1005	1027	1301	1027
Length, mm	1442	1693	1442	1442	1693	1442	1442	1693	1442	1442	1693	1442
Length, in	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	715	743	715	715	743	715	715	743	715	715	743	715
Width, in	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	997	1143	997	997	1143	997	997	1143	997	997	1143	997
Height, in	39 3	45.0	39 3	39 3	45.0	39.3	39.3	45.0	39 3	39 3	45.0	39.3

Liquid cooled diesel: Delta Series, Gamma Series

Genset Type												
Engine series	Delta Series		Gamma Series									
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
Open set = O; acoustic set = A	O	A	O	A	O	A	O	A	O	A	O	A
Engine model	DWS4		GW4		GWT4		GWT6-1A		GWT6-2A		GWTA6	
50 Hz, 1500 r/min, Single phase, Prime, kVA												
50 Hz, 1500 r/min, Single phase, Prime, kWe												
50 Hz, 1500 r/min, Single phase, Standby, kVA												
50 Hz, 1500 r/min, Single phase, Standby, kWe												
50 Hz, 1500 r/min, Three phase, Prime, kVA	30.0	30.0	45	45	63	63	90	90	100	100	125	125
50 Hz, 1500 r/min, Three phase, Prime, kWe	24.0	24.0	36	36	50	50	72	72	80	80	100	100
50 Hz, 1500 r/min, Three phase, Standby, kVA	33.0	33.0	50	50	69	69	100	100	110	110	138	138
50 Hz, 1500 r/min, Three phase, Standby, kWe	26.4	26.4	40	40	55	55	80	80	88	88	110	110
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
Engine: Injection (D-direct, I=indirect)	I	I	D	D	D	D	D	D	D	D	D	D
Engine: Aspiration (N=natural T=turbo I=intercooled)	N	N	N	N	T	T	T	T	T	T	T, I	T, I
Engine: Governing (M=mechanical, E=electronic)	M	M	M	M	M	M	M	M	M	M	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
Battery: Battery and leads supplied	Yes	Yes	Leads only		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
Control System: Emergency stop button(s)	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	77	N/D	77	N/D	76	N/D	76	N/D	76
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
Silencers: E=engine-mounted, R=residential, ( )=optional	E	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)	R
Weight, kg	592	820	1193	1686	1431	1921	1860	2493	1860	2493	1876	2509
Weight, lb	1305	1808	2630	3717	3155	4235	4101	5496	4101	5496	4136	5531
Length, mm	1600	2000	2200	2645	2200	2645	2640	3366	2640	3366	2640	3366
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
Width, mm	700	850	996	1000	996	1000	1093	1100	1093	1100	1093	1100
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
Height, mm	1110	1300	1527	1643	1527	1643	1677	1949	1677	1949	1677	1949
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

Liquid cooled: Omega Series (diesel), Alpha Gas Gensets (gas)

Genset Type											
Engine series	Omega Series			Alpha Gas Gensets							
Model code	LLO 200 /			GS 10N		GS 12P		GS 15N		GS 17P	
Open set = O; acoustic set = A	175	200	225	O	A	O	A	O	A	O	A
Engine model	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	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	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	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	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)	6	6	6	3	3	3	3	4	4	4	4
Engine: Injection (D-direct, I=indirect)	D	D	D	N/A: Spark ignition							
Engine: Aspiration (N=natural T=turbo I=intercooled)	T,I	T,I	T, I	N	N	N	N	N	N	N	N
Engine: Governing (M=mechanical, E=electronic)	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
Battery: Battery and leads supplied	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
Control System: Emergency stop button(s)	Yes	Yes	Yes	Option		Option		Option		Option	
Noise Rating: At 75% load, dBA at 1 m	97	97	97	N/D		N/D		N/D		N/D	
Noise Rating: At 75% load, dBA at 7 m	87	87	87	N/D	65	N/D	65	N/D	66	N/D	66
Silencers: E=engine-mounted, R=residential, ( )=optional	(E)	(E)	(E)	E	R	E	R	E	R	E	R
Weight, kg	2000	2100	2200	290	367	290	367	417	513	417	513
Weight, lb	4400	4620	4840	640	810	640	810	920	1130	920	1130
Length, mm	2790	2790	2790	1480	1693	1480	1693	1480	1693	1480	1693
Length, in	110	110	110	58 3	66.6	58.3	66.6	58.3	66.6	58 3	66.6
Width, mm	870	870	870	711	743	711	743	711	743	711	743
Width, in	34	34	34	28	29 2	28	29.2	28	29.2	28	29 2
Height, mm	1600	1600	1600	1029	1143	1029	1143	1029	1143	1029	1143
Height, in	63	63	63	40 5	45.0	40.5	45.0	40.5	45.0	40 5	45.0

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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)	(light 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

Air cooled (K Series, T Series)

Genset Type / Item		LLP 3.3	LLP 5.0	HSL 8	HSL 8A	HSL 15	HSL 15A	HSL 24	HSL 24A
Engine series		K Series		T Series					
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
	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
	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
	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
	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						
	kWe	3.3	5.0						
60 Hz, 3600 r/min, Single phase, Standby	kVA	3.6	5.5						
	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
	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
	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
	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
	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
	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
	mm	740	740	1020	1143	1020	1143	1020	1143

Liquid cooled diesel (Alpha)

Genset Type / Item		LLD 95	LLD 95A	LLD 140	LLD 140A	LLD 190	LLD 190A	LLD 250	LLD 250A
Engine series		Alpha							
Open set = O; Acoustic/enclosed set = A		O	A	O	A	O	A	O	A
Engine model		LPW(S)2		LPW(S)3		LPW(S)4		LPW(S)T4 [1]	
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]
	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]
	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]
	kWe	6.9	6.9	10.6	10.6	14.8	14.8	19.5 [3]	19 5 [3]
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]
	kWe	7.6	7.6	11.7	11.7	16.2	16 2	21.5 [3]	21 5 [3]
60 Hz, 3600 r/min, Single phase, Prime	kVA								
	kWe								
60 Hz, 3600 r/min, Single phase, Standby	kVA								
	kWe								
Engine: Cylinders	Number of cylinders	2	2	3	3	4	4	4	4
Engine: Injection	Direct/Indirect	D (I)	D (I)	D (I)	D (I)	D (I)	D (I)	D (I)	D
Engine: Aspiration	N=natural; T=turbo; I=intercooled	N	N	N	N	N	T	T	T
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	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
	Emergency stop button(s)	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	
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
	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)
Weight	lb	873	1102	919	1190	1105	1279	1027	1301
	kg	396	500	417	540	456	580	466	590
Length	in	56.8	66.6	56.8	66.6	56.8	66.6	56.8	66.6
	mm	1442	1693	1442	1693	1442	1693	1442	1693
Width	in	28.1	29 2	28.1	29.2	28.1	29 2	28.1	29.2
	mm	715	743	715	743	715	743	715	743
Height	in	39.3	45.0	39.3	45.0	39.3	45.0	39 3	45.0
	mm	997	1143	997	1143	997	1143	997	1143

Liquid cooled diesel (Delta, Gamma)

Genset Type / Item		LLD 410	LLD 410A	LLG 50	LLG 50A	LLG 70	LLG 70A	LLG 100	LLG 100A	LLG 110	LLG 110A	LLG 140	LLG 140A
Engine series		Delta		Gamma									
Open set = O; Acoustic/enclosed set = A		O	A	O	A	O	A	O	A	O	A	O	A
Engine model		DWS4		GW4		GWT4		GWT6-1A		GWT6-2A		GWTA6	
60 Hz, 1800 r/min, Single phase, Prime	kVA												
	kWe												
60 Hz, 1800 r/min, Single phase, Standby	kVA												
	kWe												
60 Hz, 1800 r/min, Three phase, Prime	kVA	36.0	36.0	43	43	69	69	94	94	113	113	138	138
	kWe	28.8	28.8	34	34	55	55	75	75	90	90	110	110
60 Hz, 1800 r/min, Three phase, Standby	kVA	39.6	39.6	47	47	75	75	106	106	125	125	150	150
	kWe	31.7	31.7	37	37	60	60	85	85	100	100	120	120
60 Hz, 3600 r/min, Single phase, Prime	kVA												
	kWe												
60 Hz, 3600 r/min, Single phase, Standby	kVA												
	kWe												
Engine: Cylinders	Number of cylinders	4	4	4	4	4	4	6	6	6	6	6	6
Engine: Injection	Direct/Indirect	I	I	D	D	D	D	D	D	D	D	D	D
Engine: Aspiration	N=natural; T=turbo; I=intercooled	N	N	N	N	T	T	T	T	T	T	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	Yes
Governing	M=mechanical, E=electronic, ( ) = optional	M	M	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E
Battery	Starter battery and leads supplied	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
	Emergency stop button(s)	Yes	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		N/D	77	N/D	77	N/D	76	N/D	76	N/D	76
	dBA at 7 m				66		66		66		66		66
Silencers	E=engine-mounted, R= residential; ( ) = option	E (R)	R	(E)	R	(E)	R	(E)	R	(E)	R	(E)	R
Weight	lb	1305	1808	2630	3717	3155	4235	4101	5496	4101	5496	4136	5531
	kg	592	820	1193	1686	1431	1921	1860	2493	1860	2493	1876	2509
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
	mm	1600	2000	2200	2645	2200	2645	2640	3366	2640	3366	2640	3366
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
	mm	700	850	996	1000	996	1000	1093	1100	1093	1100	1093	1100
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
	mm	1110	1300	1527	1643	1527	1643	1677	1949	1677	1949	1677	1949

Liquid cooled diesel (Omega) and gas (Alpha Gas Gensets)

Genset Type / Item		LLO 200	GS 10N		GS 12P		GS 15N		GS 17P	
Engine series		Omega	Alpha Gas Gensets							
Open set = O; Acoustic/enclosed set = A		O	O	A	O	A	O	A	O	A
Engine model		OWTA6	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
	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
	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	256	11.6	11.6	14.2	14 2	15 9	15.9	18.1	18.1
	kWe	205	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	282	12.7	12.7	15.6	15.6	17 5	17.5	19.9	19 9
	kWe	226	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									
	kWe									
60 Hz, 3600 r/min, Single phase, Standby	kVA									
	kWe									
Engine: Cylinders	Number of cylinders	6	3	3	3	3	4	4	4	4
Engine: Injection	Direct/Indirect	D	N/A: Spark ignition							
Engine: Aspiration	N=natural; T=turbo; I=intercooled	T, I	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	Yes
Governing	M=mechanical, E=electronic, ( ) = optional	E	E	E	E	E	E	E	E	E
Battery	Starter battery and leads supplied	Yes	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	Yes
	Emergency stop button(s)	Yes	Option		Option		Option		Option	
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	
	dBA at 7 m		73.8	65	69.6	65	72.7	66	72.7	66
Silencers	E=engine-mounted, R= residential; ( ) = option	(E)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)	E (R)
Weight	lb	4840	640	810	640	810	920	1130	920	1130
	kg	2200	290	367	290	367	417	513	417	513
Length	in	110	58 3	66.6	58.3	66.6	58 3	66.6	58.3	66.6
	mm	2790	1480	1693	1480	1693	1480	1693	1480	1693
Width	in	63	28	29.2	28	29 2	28	29.2	28	29 2
	mm	1600	711	743	711	743	711	743	711	743
Height	in	34	40 5	45.0	40.5	45.0	40 5	45.0	40.5	45.0
	mm	870	1029	1143	1029	1143	1029	1143	1029	1143

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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.