



**LISTER
ENGINE**

8-30 KVA

Lister - Pimco Generating Sets

1500/1800 RPM - 3 PHASE - 380V		50 HZ/1500 RPM				60 HZ/1800 RPM			
Model	Engine	Continuous		Standby		Continuous		Standby	
		KVA	KW	KVA	KW	KVA	KW	KVA	KW
LT 8	LPW2	7.5	6	8.25	6.6	9	7.2	9.9	7.9
LT 13	LPW3	13	10.4	14.3	11.4	15	12	16.5	13.2
LT 17.5	LPW4	17.5	14	19.3	15.4	20	16	22	17.6
3000/3600 RPM - 3 PHASE - 380V		50 HZ/3000 RPM				60 HZ/3000 RPM			
Model	Engine	Continuous		Standby		Continuous		Standby	
		KVA	KW	KVA	KW	KVA	KW	KVA	KW
LT 13.5	LPW2	13.5	10.8	14.85	11.9	14	11.2	15.4	12.3
LT 20	LPW3	21	16.8	23.1	18.5	22.3	17.8	24.5	19.6
LT 27	LPW4	27	21.6	29.7	23.8	30	24	33	26.4
1500/1800 RPM - 1 PHASE - 220V		50 HZ/1500 RPM				60 HZ/1800 RPM			
Model	Engine	Continuous		Standby		Continuous		Standby	
		KVA	KW	KVA	KW	KVA	KW	KVA	KW
LT 7.5	LPW2	7.5	6	8.25	6.6	9	7.2	9.9	7.9
LT 12	LPW3	11	8.8	12.1	9.7	13.1	10.5	14.4	11.5
LT 16.5	LPW4	16	12.8	17.6	14.1	19.3	15.4	21.2	17
3000/3600 RPM - 1 PHASE - 220V		50 HZ/3000 RPM				60 HZ/3000 RPM			
Model	Engine	Continuous		Standby		Continuous		Standby	
		KVA	KW	KVA	KW	KVA	KW	KVA	KW
LT 13.5	LPW2	13.3	10.6	14.6	11.7	13.77	11	15.2	12.1
LT 20	LPW3	19	15.2	20.9	16.7	20	16	22	17.6
LT 27	LPW4	27	21.6	29.7	23.8	28	22.4	30.8	24.6

SPECIFICATIONS

RATING

The ratings represent the Engine capabilities within - + 5% at NTP conditions equivalent to those specified in ISO3046,BS5514,DIN 6271, and subject to deration under extreme environmental conditions .

ENGINE

Lister multi cylinder, 4 stroke, water cooled diesel engine complete with electric starter, starter solenoid relay, battery charge alternator replaceable fuel, oil and air filters, primary water separator, fuel lift pump, sensors connection for low lub oil pressure, high coolant temperature, sump drain tap, loose supplied industrial exh. silencer.

RADIATOR

Set mounted tropical radiator core design suitable for 52c max T air inlet with engine driven cooling fan and fan guard .

BATTERIES

Heavy duty lead acid batteries complete with battery rack and connecting cables.

ALTERNATOR

Single bearing alternator, brushless, synchronous, self excited, self regulated, screen protected, drip proof enclosure IP21 and IP23 temperature rise class H, and insulation class H.

- Line to line voltage wave form distortion is < 3% .

COUPLING

Engine and alternator are directly coupled through disc coupling .

BASE FRAME AND FUEL TANK

Set mounted on heavy duty steel base frame with anti-vibration oil proof Rubb mounts between gen-set & base. Base frame incorporate a daily fuel tank complete with dial type contents gauge, filler cap & drain plug.

CONTROL PANEL

Set mounted control panel complete with one AC ammeter with selector switch, frequency meter, hour run meter, one AC voltmeter with selector switch, electrical oil pressure gauge, water temperature gauge, battery voltmeter manual key start, automatic shutdown device with indication lamps for LOP/HWT, moulded case circuit breaker.

WORKS-TESTING

Each genset is extensively inspected and tested under full load conditions prior to dispatch .

Painted finish

The diesel engine comes with original gray, the alternator with original yellow, the base in black, control panel & circuit breaker enclosure in yellow.

TECHNICAL DOCUMENTS

Instruction manuals for the Engine/Alternator as well as use and maintenance of the generating set supplied with each unit .

TECHNICAL DATA

Engine		LPW2	LPW3	LPW4
Prime bhp @ 1500/1800 RPM		10.1/12.5	15.2/18.6	20.1/24.9
Stdby bhp @ 1500/1800 RPM		11.11/13.75	16.72/20.46	22.11/27.39
Prime bhp @ 3000/3600 RPM		18/18.8	26.9/28.2	35.9/37.5
Stdby bhp @ 3000/3600 RPM		19.8/20.68	29.60/31	39.5/41.25
Stroke / mm		80	80	80
Number Of Cylinders		2	3	4
Cyl. Arrangement			In Line	
Bore x Stroke	mm*mm	86 X 80	86 x 80	86 X 80
Swept Volume	Ltrs.	0.93	1.39	1.86
Combustion System			Direct Injection	
Aspiration		NA	NA	NA
Governor		M	M	M
Electrical System			12 Volts	
Engine Oil Capacity	Ltrs.	3	4	5
Total Coolant Capacity	Ltrs.	6	6.5	8
Fuel Consumption @ 1500/1800RPM		2.2/2.6	3.2/3.9	4.3/5.2
Fuel Consumption @ 3000/3600RPM		3.9/4.2	5.9/6.4	7.8/8.5
Fuel Tank Capacity	Ltrs.	47	47	47
Alternator Voltage Regulation			±0.5%	

NA = Naturally aspirated / M = Mechanical

OPTIONAL EXTRAS

- Automatic Mains Failure (AMF)
- Automatic control systems
- Residential silencers
- Weather proof canopies
- Sound proof acoustic canopies
- Site and Road Trailers
- Room Insulations
- Additional options available on request
- Paint

SHIPPING DIMENSIONS

	Gen-Set/3Ph Model	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
1500 - 1800 RPM	LT 8	1250	650	960	281
	LT 15	1400	650	960	341
	LT 20	1550	650	990	404
3000 - 3600 RPM	LT 13.5	1250	650	960	281
	LT 20	1435	650	960	351
	LT 27	1443	650	990	399

	Gen-Set/3Ph Model	Length (mm)	Width (mm)	Height (mm)	Weight (Kg)
1500 - 1800 RPM	LT 8	1290	650	960	296
	LT 15	1353	650	960	356
	LT 20	1498	650	990	416
3000 - 3600 RPM	LT 13.5	1325	650	960	306
	LT 20	1353	650	960	356
	LT 27	1548	650	990	439