



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage	Freq	LP17	LP19 S
400 V	50 Hz	16.5 Kva	18.2 Kva
480 V	60 Hz	18 Kva	19.8 Kva

LP17 - LP19 S

LP17 - LP19 S (A) SB issue B2012

The above ratings represent the generating set capability guaranteed within $\pm 3\%$ at the reference conditions equivalent to those specified in ISO 8528/1, ISO 3046/1 and BS 5514/1

NOTES

- 1 - The applicable voltage range is 380V to 415V for 50Hz applications
- 2 - This generating set is of fixed speed of 1500rpm or 1800rpm
- 3 - LP17 is the prime power rating of the generating set, where a variable load and unlimited hours usage are applied on the generating set with an average load factor of 80% of the prime rating over each 24 hour period. Noting that a 10% overload is available for 1 hour in every 12 hours operation.
- 4 - LP18.2 is a standby power rating of the generating set, where a variable load limited to an annual usage up to 500 hours is applied, with 300 hours of which may be continuous running. Noting that no overload is permitted.

The above performance data are valid as per the following specs:

- Diesel Fuel is according to BS2869 Class A2 or equivalent.
- Lubricating oil is according to API CH4 (15W/40).
- The coolant should be 50% antifreeze and 50% fresh water.

Engine Technical Data

Model	LPW 4	
Cylinders	4Cy	
Aspiration	Naturally Aspirated	
Combustion	Direct Injection	
Cooling System	Water Cooled	
Displacement	1.86 L	
Coolant capacity	8 L	
Lube oil capacity	5 L	
Governor	Mechanical	
Emissions regulations	Models under 19kW output comply with EU Stage 3A exhaust emissions regulations.	
Speed	1500 RPM	1800 RPM
Fuel Consumption LP12.5	4.3 L/H	5.2 L/H
Fuel Consumption LP14	4.6 L/H	5.8 L/H

Alternator Technical Data

Model (A)	Leroy Somer LSA 40VS4	
Model (B)	E1X13M F/4	
Regulation	$\pm 1\%$	
International protection	IP23	
Insulation class	H	
Frequency	50 Hz	60 Hz

Shipping Data

Length	Width	Height	Weight
1400/2000	610/800	971/140	404/550

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