



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage ^{*1}	Freq. ^{*2}	RM1500 ^{*3}	RM1650S ^{*4}
400 V	50 Hz	1500 KVA	1650 KVA
480 V	60 Hz	1518 KVA	1668 KVA

RM1500 - RM1650 S

RM1500 - RM1650S SB issue B2012

The above ratings represent the generating set capability guaranteed within $\pm 3\%$ at the references 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 and 380V to 480V for 60Hz applications.
- 2 - This generating set is of fixed speed of 1500rpm or 1800rpm.
- 3 - RM1500 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 - RM1650S is the 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	Perkins 4012-46TAG2A	
Cylinders	12;60° Vee Form	
Aspiration	Turbocharged & A/A charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	45.842 L	
Oil consumption	0.51 g/K Whr	
Lube oil capacity	177 L	
Coolant capacity	210 L	
Governor	Electronic-Digital	
Emissions regulations	TA-Luft(1986)	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT1500	301 L/H	317 L/H
Fuel Consumption PT1650S	335 L/H	350.0L/H
Radiator Cooling Air Flow	32.4 m ³ /min	31.5 m ³ /min
Max Exhaust Gas Flow	320 m ³ /min	306 m ³ /min

Alternator Technical Data

Model	Leroy Somer LSA 50.2 L8		
Regulation	$\pm 0.5\%$		
International protection	IP21		
Insulation class	H		
Terminals	6		
Frequency	50 Hz	60 Hz	
Coolant Air Flow	1.8 m ³ /s	2.2 m ³ /s	

Shipping Data

Length	Width	Height	Weight
5200 mm	2180 mm	2530 mm	10300 kg

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