



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage ^{*1}	Freq. ^{*2}	RM100 ^{*3}	RM110S ^{*4}
400 V	50 Hz	100.0 KVA	110.0 KVA
480 V	60 Hz	112.5 KVA	125.0 KVA

RM100 - RM110 S

RM100 - RM110S 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 and 380V to 480V for 60Hz applications.
- 2 - This generating set is of fixed speed of 1500rpm/1800rpm.
- 3 - RM100 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 - RM110S 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 1104C-44TAG2	
Cylinders	4; vertical in-line	
Aspiration	Turbocharged, air to air charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	4.41 L	
Oil consumption	0.15 % of fuel consumption	
Lube oil capacity	8 L	
Coolant capacity	12.6 L	
Governor	Electronic	
Emissions regulations	EU2007(EU97/68 EC Stage II)	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT100	22.6 L/H	26.9 L/H
Fuel Consumption PT110S	24.9 L/H	29.7 L/H
Radiator Cooling Air Flow	166 m ³ /min	226 m ³ /min
Max Exhaust Gas Flow	16.3 m ³ /min	20.4 m ³ /min

Alternator Technical Data

Model	Leroy Somer LSA 44.2 VS45	
Regulation	$\pm 0.5\%$	
International protection	IP23	
Insulation class	H	
Terminals	12	
Frequency	50 Hz	60 Hz
Coolant Air Flow	0.37 m ³ /s	0.44 m ³ /s

Shipping Data

Length	Width	Height	Weight
2050 mm	770 mm	1260 mm	1200 kg

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