



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage ^{*1}	Freq. ^{*2}	RM30 ^{*3}	RM33S ^{*4}
400 V	50 Hz	30.7 KVA	32.86 KVA
480 V	60 Hz	35.36 KVA	38.91 KVA

RM30 - RM33S

RM30 - RM33S 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 60 Hz applications
- 2 - This generating set is of switchable speed of 1500rpm/1800rpm.
- 3 - RM30 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 - RM33S 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	Perkins 1103A-33G	
Cylinders	3; vertical in-line	
Aspiration	Naturally aspirated	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	3.30 L	
Oil consumption	0.15 % of fuel consumption	
Lube oil capacity	8.30 L Max	
Coolant capacity	10.20 L	
Governor	Mechanical	
Emissions regulations	TA-Luft(1986)	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT30	7.1 L/H	8.6 L/H
Fuel Consumption PT33S	7.9 L/H	9.5 L/H
Radiator Cooling Air Flow	53.0 m ³ /min	70.0 m ³ /min
Max Exhaust Gas Flow	5.7 m ³ /min	6.4 m ³ /min

Alternator Technical Data

Model	Leroy Somer LSA 42.3VS3	
Regulation	$\pm 0.5\%$	
International protection	IP23	
Insulation class	H	
Terminals	12	
Frequency	50 Hz	60 Hz
Coolant Air Flow	0.10 m ³ /s	0.13 m ³ /s

Shipping Data

Length	Width	Height	Weight
1700 mm	770 mm	1250 mm	760 kg

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