



Rating @ 0.8 PF		Prime rating	Stand-by rating
Voltage *1	Freq. *2	RM150 *3	RM165S *4
400 V	50 Hz	150.0 KVA	165.0 KVA
480 V	60 Hz	-	-

## RM150 - RM165 S

RM150 - RM165S 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.
- 3 - RM150 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 - RM165S 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.

### Engine Technical Data

Model	Perkins 1006TAG2	
Cylinders	6; vertical in-line	
Aspiration	Turbocharged, air to air charge cooled	
Combustion	Direct injection	
Cooling System	Water cooled	
Displacement	5.99 L	
Oil consumption	0.2 % of fuel consumption	
Lube oil capacity	19 L	
Coolant capacity	41.0 L	
Governor	Electronic	
Emissions regulations	Non-compliant	
Speed	1500 rpm	1800 rpm
Fuel Consumption PT150	37.3 L/H	-
Fuel Consumption PT165S	45.0 L/H	-
Radiator Cooling Air Flow	154 m <sup>3</sup> /min	-
Max Exhaust Gas Flow	29.1 m <sup>3</sup> /min	-

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.

### Alternator Technical Data

Model	Leroy Somer LSA 44.2 M95	
Regulation	$\pm 0.5\%$	
International protection	IP23	
Insulation class	H	
Terminals	12	
Frequency	50 Hz	60 Hz
Coolant Air Flow	0.37 m <sup>3</sup> /s	0.44 m <sup>3</sup> /s

### Shipping Data

Length	Width	Height	Weight
2500 mm	770 mm	1350 mm	1250 kg

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