

Ratings @ 0.8 PF		Prime Rating	Stand by Rating	Dimensions	
Voltage*1	Frequency*2	IMG2400*3	IMG2650S*4	Length	5900 mm
230/400 V	50 Hz	2390 kVA	2640 kVA	Width	2300 mm
				Height	2750 mm
				Weight	15700 Kg

The above ratings represent the generating set capability guaranteed within  $\pm 3\%$  at the reference conditions equivalent to those specified in ISO 8528/1 standard.

## Notes

- The applicable voltage range is 380V to 415V for 50Hz applications. For other voltages, please consult factory.
- This generating set is of fixed speed of 1500 rpm.
- IMG2400 is the prime power rating of the generating set is where a variable load and unlimited hour usage are applied with an average load factor of 80% of the prime rating over each 24-hour period. Noting that a 10% overload is permitted for 1 hour in every 12-hour operation.
- IMG2650S is the standby power rating of the generating set is 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

Make & Model	CUMMINS QSK78-G9		
Cylinders & Arrangement	18, 60° Vee		
Bore & Stroke (mm)	159 x 190		
Induction system	Turbo Charged & Aftercooled		
Combustion	Direct injection		
Cycle	4 stroke		
Compression ratio	14.5:1		
Cooling System	Water cooled		
Displacement	50.3 liters		
Lube oil capacity	261 liters Max		
Coolant capacity	1038 liters		
Standard governor (Optional)	Electronic		
Engine Speed	1500 rpm		
Fuel Consumption (L/H) @ 100% Load	480	@ 50% Load	264
Fuel Consumption (L/H) @ 75% Load	369	@ 25% Load	143
Radiator Cooling Air Flow (m <sup>3</sup> /s)	TBA		
Emissions regulations	For non-regulated territories		
Exhaust temperature °C (max)	430		
Max exhaust gas flow (m <sup>3</sup> /min)	311.4		
Max. allowed back pressure (kPa)	6.8		

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

- Diesel Fuel is accorg to BS2869 Class A2 or equivalent.
- Lubricating oil is according to Grade SAE 15W-40 API CI4.
- The coolant should be 50% antifreeze and 50% fresh water.

## Alternator Technical Data

Make & Model	Leroy Somer LSA52.3L12 OR Stamford		
Frequency / No. of poles	50Hz / 4P	Winding pitch	2/3
Ingress protection	IP23	AVR model	D 510C
Insulation class	H	Overspeed	2250 R.P.M.
Terminals (Optional)	6 (12)	Voltage regulation	$\pm 0.5\%$
Excitation system	AREP + PMI	Coolant air flow	2.5 m <sup>3</sup> /s

