

Ratings @ 0.8 PF		Prime Rating	Stand by Rating	Dimensions	
Voltage* <sup>1</sup>	Frequency* <sup>2</sup>	KC2400* <sup>3</sup>	KC2650S* <sup>4</sup>	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

1. The applicable voltage range is 380V to 415V for 50Hz applications. For other voltages, please consult factory.

2. This generating set is of fixed speed of 1500 rpm.

3. KC2400 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.

4. KC2650S 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 OR Stanford LSA52.3L12		
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