



## TECHNICAL DATA

<b>Model</b>	C220 D5	<b>Speed</b>	1500 rpm
<b>Set output</b>	380 440 V 50 Hz	<b>Alternator voltage regulation</b>	±1.0%
<b>Prime Rating</b>	160 kWe 200 kVA	<b>Alternator insulation class</b>	H
<b>Standby Rating</b>	176 kWe 220 kVA	<b>Fuel consumption (Prime)</b>	45 l/hr
<b>Engine Make</b>	Cummins	<b>Fuel consumption (Standby)</b>	50 l/hr
<b>Engine Model</b>	6CTAA8.3G1	<b>Lubrication system oil capacity</b>	23.8 Litres
<b>Cylinders</b>	Six	<b>Base fuel tank capacity – open set</b>	350 Litres
<b>Engine build</b>	In-line	<b>Coolant capacity</b>	24.3 Litres
<b>Standard Governor/Class</b>	Electronic	<b>Exhaust temp – prime</b>	553°C
<b>Aspiration and cooling</b>	Turbocharged And Charged Air cooled	<b>Exhaust gas flow – prime</b>	530 l/s
<b>Bore and stroke</b>	114 mm x 135 mm	<b>Exhaust gas back pressure max</b>	75 mm Hg
<b>Compression Ratio</b>	16.8:1	<b>Air flow – radiator*</b>	5.43 m <sup>3</sup> /s
<b>Cubic capacity</b>	8.3 Litres	<b>Air intake – engine (Prime)</b>	200 Litre/s
<b>Starting/Min °C</b>	Unaided/-12°C	<b>Minimum air opening to room</b>	1.26 sq m
<b>Battery capacity</b>	100 A/hr	<b>Minimum discharge opening</b>	0.84 sq m
<b>Gross Engine output – Prime</b>	183kWm	<b>Pusher fan head (duct allowance)*</b>	13 mm Wg
<b>Gross Engine output – Standby</b>	203kWm	<b>Heat radiated by eng (Prime)</b>	28 kWm

### PRIME POWER (PRP)

Prime power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1.

A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation, in accordance with ISO 3046-1.

### STANDBY POWER RATING (ESR)

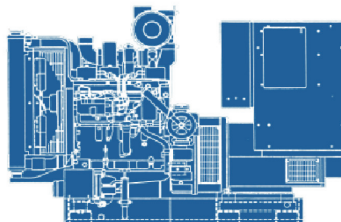
The Standby Power Rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

In installations served by unreliable utility sources (where outages last longer or occur more frequently), where operation is likely to exceed 200 hours per year, the prime power rating should be applied.

The Standby Power rating is only applicable for emergency and standby applications where the generator set serves as the back up to the normal utility source.

All ratings are based on the following reference conditions:

- Ambient temperature – 27°C



## Dimensions and Weights

Model	Engine	Length (mm)	Width (mm)	Height (mm)	Set weight wet (Kg)	Set weight dry (Kg)	Enclosed Weight Wet (Kg)
C220 D5	6CTAA8.3G1	2686	1300	1547	1900	1840	3196