



TECHNICAL DATA

Model	C110 D5	Speed	1500 rpm
Set output	380 440 V 50 Hz	Alternator voltage regulation	±1.0%
Prime Rating	80 kW@ 100 kVA	Alternator insulation class	H
Standby Rating	88 kW@ 110 kVA	Fuel consumption (Prime)	23 l/hr
Engine Make	Cummins	Fuel consumption (Standby)	25 l/hr
Engine Model	4ISBeG1	Lubrication system oil capacity	13.0 Litres
Cylinders	Four	Base fuel tank capacity – open set	112 Litres
Engine build	In-line	Coolant capacity	19.5 Litres
Standard Governor/Class	Electronic	Exhaust temp – prime	550°C
Aspiration and cooling	Turbocharged And Charged Air cooled	Exhaust gas flow – prime	170 l/s
Bore and stroke	102 mm x 120 mm	Exhaust gas back pressure max	76 mm Hg
Compression Ratio	17.3:1	Air flow – radiator*	3.38 m ³ /s
Cubic capacity	3.92 Litres	Air intake – engine (Prime)	86 Litre/s
Starting/Min °C	Unaided/-12°C	Minimum air opening to room	0.7 sq m
Battery capacity	100 A/hr	Minimum discharge opening	0.5 sq m
Gross Engine output – Prime	94kWm	Pusher fan head (duct allowance)*	13 mm Wg
Gross Engine output – Standby	102kWm	Heat radiated by eng (Prime)	13.7 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 (ESP)

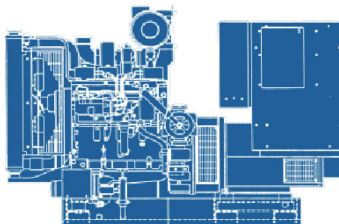
The Standby Power Rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

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)
C110 D5	4ISBeG1	1977	1046	1311	1200	1162	1840