



## TECHNICAL DATA

|                                      |                     |   |                        |
|--------------------------------------|---------------------|---|------------------------|
| <b>Model</b>                         | C33 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>                  | 24 kW/30 kVA        | <b>Alternator insulation class</b>        | H                      |
| <b>Standby Rating</b>                | 26.4 kW/33 kVA      | <b>Fuel consumption (Prime)</b>           | 7.1 l/hr               |
| <b>Engine Make</b>                   | Cummins             | <b>Fuel consumption (Standby)</b>         | 8.0 l/hr               |
| <b>Engine Model</b>                  | 4B3.3G1             | <b>Lubrication system oil capacity</b>    | 7.5 Litres             |
| <b>Cylinders</b>                     | Four                | <b>Base fuel tank capacity – open set</b> | 144 Litres             |
| <b>Engine build</b>                  | In-line             | <b>Coolant capacity</b>                   | 7.9 Litres             |
| <b>Standard Governor/Class</b>       | Mechanical          | <b>Exhaust temp – prime</b>               | 448°C                  |
| <b>Aspiration and cooling</b>        | Naturally Aspirated | <b>Exhaust gas flow – prime</b>           | 89 l/s                 |
| <b>Bore and stroke</b>               | 95mmx115mm          | <b>Exhaust gas back pressure max</b>      | 75 mm Hg               |
| <b>Compression Ratio</b>             | 18.2:1              | <b>Air flow – radiator*</b>               | 1.45 m <sup>3</sup> /s |
| <b>Cubic capacity</b>                | 3.3 Litres          | <b>Air intake – engine (Prime)</b>        | 35 Litre/s             |
| <b>Starting/Min °C</b>               | Unaided/-4°C        | <b>Minimum air opening to room</b>        | 0.50 sq m              |
| <b>Battery capacity</b>              | 70 A/hr             | <b>Minimum discharge opening</b>          | 0.30 sq m              |
| <b>Gross Engine output – Prime</b>   | 32kWm               | <b>Pusher fan head (duct allowance)*</b>  | 10 mm Wg*              |
| <b>Gross Engine output – Standby</b> | 36kWm               | <b>Heat radiated by eng (Prime)</b>       | 6.3 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)

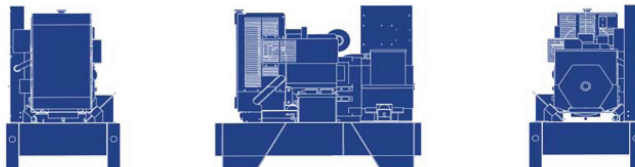
The Standby Power Rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

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) |
|--------|---------|-------------|------------|-------------|---------------------|---------------------|--------------------------|
| C33 D5 | 4B3.3G1 | 1753        | 930        | 1256        | 645                 | 580                 | 923                      |