## **TECHNICAL DATASHEET P 231 B**

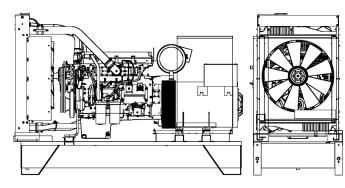


P 231 B





## **POWERFULL "B"**



| MAIN DATA              |                  |
|------------------------|------------------|
| Continuous power (PRP) | 227.00 kVA       |
| Continuous power (PRP) | <b>181.60</b> kW |
| Emergency power (E.P.) | 250.00 kVA       |
| Emergency power (E.P.) | 200.00 kW        |
| VAC - HZ - cos(fi)     | 208 - 60 - 0.8   |

## DIMENSIONS AND WEIGHT

For illustrative purposes only

## ENGINE

| Description                | PERKINS       |        |
|----------------------------|---------------|--------|
| Engine model               | 1106D-E70TAG5 |        |
| Cylinders                  | 6             |        |
| RPM speed                  | 1800          |        |
| Cubic capacity             | 6.60          | I      |
| Air intake                 | Turbocharged  |        |
| Standard voltage           | 12            | Vdc    |
| Optional voltage           |               | Vdc    |
| Sae                        | 2-111/2       |        |
| BMEP                       | 2010          | kPa    |
| Cooling                    | Water         |        |
| Flywheel P.R.P. Power net  | 203.0         | kW     |
| Flywheel E.P. Power net    | 226.6         | kW     |
| Fuel Cons. at 100% (E.P.)  | 59.1          | l/h    |
| Fuel Cons. at 100% (P.R.P) | 54.4          | l/h    |
| Fuel Cons. at 75% (P.R.P.) | 43.5          | l/h    |
| Fuel Cons. at 50% (P.R.P.) | 29.5          | l/h    |
| Fuel Cons. at 25% (P.R.P.) | 16.0          | l/h    |
| Electronic regulator       | Standard      |        |
| Precision class            | G2            |        |
| Oil quantity               | 17.5          | 1      |
| Engine Antifreeze capacity | 7.0           | 1      |
| Radiator type              | TR            |        |
| Heat from radiator         | 139.3         | kW     |
| Heat from exhaust          | 181.2         | kW     |
| Heat from radiation        | 35.2          | kW     |
| Exhaust temperature        | 574           | °C     |
| Portata Raffreddamento     | 416.0         | m³/min |
| Combustion air flow        | 16.9          | m³/min |
| Exhaust gas flow           | 38.3          | m³/min |
| TA Luft                    | Ν             |        |
| TA Luft/2                  | Ν             |        |
| EPA                        | Ν             |        |
| Stage                      | Ν             |        |
|                            |               |        |

| ALTERNATOR   |               |     |  |
|--|---------------|-----|--|
| Description  | STAMFORD      |     |  |
| Alternator model   | UCI274H       |     |  |
| P.R.P. Power   | 237.5         | kVA |  |
| E.P. Power   | 256.3         | kVA |  |
| Connection   | Parallel star |     |  |
| Phases   | 3FN           |     |  |
| Winding  | 311           |     |  |
| Terminal Number  | 12            | nr. |  |
| IP Protection  | 23            |     |  |
| Electronic regulator   | AS440         |     |  |
| Precision  | 1.0           | ± % |  |
| BASEFRAME  |               |     |  |
| Model  | Т3            |     |  |
| Standard tank  | 900           | I   |  |
| Optional tank  | 0             | I   |  |
| Oversized tank*  | 0             | I   |  |
| CANOPY & SILENCER  |               |     |  |
| Canopy model   | SENZA COFANO  |     |  |
| Silencer model   | MS 30         |     |  |
| Silencer outlet diameter   | 140.0         | mm  |  |
| Standard reference conditions temperature 25°C, altitude 100m asl, relative humidity 30%,<br>atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non<br>distortional. Fuel consumption is nominal and refers to specific weight 0,850kg/l. Sound<br>power values refer to free field conditions: the installation site may influence the values. |               |     |  |

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The data contained in this document is nominal and refers to the standard equipped model and is not binding. Visa S.p.A. reserves the right to revise the information without notice per our policy of continuous product development and improvement.

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