

DPS 275 DG

TECHNICAL DATA SHEET

MAIN DATA

| | |
|------------------------|------------------|
| Prime power (PRP) | 250.0 (kVA) |
| Prime power (PRP) | 200.0 (kW) |
| Standby power (LTP) | 275.0 (kVA) |
| Standby power (LTP) | 220.0 (kW) |
| Voltage, Frequency, pf | 415V, 50HZ @ 0.8 |
| Sound pressure 7m dBA | 73.0 |

ENGINE

| | |
|-------------------------|---------------|
| Engine brand | DEUTZ |
| Engine model | TCD2013L064V |
| Cylinders | 6 |
| Speed | 1500 rpm |
| Cubic capacity | 7.15 L |
| Air intake | Turbocharged |
| Standard voltage | 24Vdc |
| SAE | 2-11.5 |
| BMEP | 2800 kPa |
| Cooling | Water |
| Flywheel P.R.P. Power | 215.4 kW |
| Flywheel Standby Power | 238.4 kW |
| Precision class | G3 |
| Oil Quantity | 26.5 L |
| Engine coolant capacity | 9.8 L |
| Radiator standard | - |
| Heat from radiator | 170.3 kW |
| Heat from exhaust | 0.0 kW |
| Heat from radiation | 0.0 kW |
| Exhaust temperature | 530 deg C |
| Cooling air flow | 270.00 m3/min |
| Combustion air flow | 16.00 m3/min |
| Exhaust gas flow | 42.50 m3/min |
| TA Luft | NA |
| TA Luft/2 | NA |
| EPA | NA |
| Stage | Stage 2 |



ALTERNATOR

| | |
|----------------------|--------------------------|
| Alternator brand | Stamford |
| Alternator model | UCID274K |
| P.R.P. Power | 250.0 kVA |
| L.T.P. Power | 275.0 kVA |
| Connection | Series Star |
| Phases | 3PH + N |
| Winding | 12 terminals Winding 311 |
| Terminal Number | 12 nr. |
| IP Protection | 23 |
| Electronic regulator | SX460 |
| Precision | 1.5 +/- % |

CONTROL SYSTEM

| | |
|------------------------------------|-------------|
| Control system brand | COMAP |
| Control system model | AMF 25 |
| I/O expansion module (optional) | BI08-EFCP |
| Remote monitoring (optional) | GSM/GRPS |
| Comms. expansion module (optional) | RS232/RS485 |

FUEL CONSUMPTION

| | |
|-------------------------|----------|
| Fuel Cons. @ 100% (LTP) | 49.9 l/h |
| Fuel Cons. @ 100% (PRP) | 45.4 l/h |
| Fuel Cons. @ 75% (PRP) | 38.3 l/h |
| Fuel Cons. @ 50% (PRP) | 28.7 l/h |
| Fuel Cons. @ 25% (PRP) | 14.6 l/h |

DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)

| | |
|------------|---------|
| Length | 3230 mm |
| Width | 1140 mm |
| Height | 2230 mm |
| Mass (Dry) | 2730 kg |

BASE FRAME (ACOUSTIC CANOPY)

| | |
|----------------------|-------------|
| Base frame model | G10 |
| Standard bunded tank | 360 litres |
| Optional bunded tank | 1800 litres |

DIMENSIONS & WEIGHT (OPEN FRAME)

| | |
|------------|---------|
| Length | 2700 mm |
| Width | 1080 mm |
| Height | 1900 mm |
| Mass (Dry) | 2350 kg |

BASE FRAME (OPEN FRAME)

| | |
|----------------------|-------------|
| Base frame model | G10-O |
| Standard bunded tank | 360 litres |
| Optional bunded tank | 1800 litres |

REFERENCE CONDITIONS

| | |
|------------------------------------|------------------|
| Standard reference condition temp. | 25deg C |
| Altitude | 100 masl |
| Relative humidity | 30% |
| Atmospheric pressure | 100 kpa |
| Power factor | 0.8 lag |
| Balanced load | Non-distortional |

Fuel consumption is nominal and refers to specific weight 0.850kg/l.

Sound power levels refer to free field conditions: Installation site may influence the values.

Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment. Any optional and additional equipment / accessories can modify weight, dimensions and performance.

P.R.P. Prime Power-Continuous power at variable load

The power that a generator can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the manufacturer according to ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the manufacturer.

L.T.P. Limited-time running power-Limited power

The maximum power that a generator can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the manufacturer according to ISO8528-1. The number of hours per year is stated by the manufacturer. Overload is not permitted.

For more information please contact your local DEUTZ Power Solutions sales partner.

