

# DPS 21 DG

## TECHNICAL DATA SHEET

### MAIN DATA

Prime power (PRP)	20.0 (kVA)
Prime power (PRP)	16.0 (kW)
Standby power (LTP)	21.3 (kVA)
Standby power (LTP)	17.0 (kW)
Voltage, Frequency, pf	415V, 50HZ @ 0.8
Sound pressure 7m dBA	60.0



### ENGINE

Engine brand	DEUTZ
Engine model	F3M2011
Cylinders	3
Speed	1500 rpm
Cubic capacity	2.33 L
Air intake	Aspirated
Standard voltage	12Vdc
SAE	3-11.5
BMEP	690 kPa
Cooling	Oil
Flywheel P.R.P. Power	19.4 kW
Flywheel Standby Power	20.4 kW
Precision class	G2
Oil Quantity	8.5 L
Engine coolant capacity	NA
Radiator standard	ROA
Heat from radiator	11.3 kW
Heat from exhaust	18.1 kW
Heat from radiation	0.0 kW
Exhaust temperature	540 deg C
Cooling air flow	30.0 m3/min
Combustion air flow	0.00 m3/min
Exhaust gas flow	4.16 m3/min
TA Luft	Standard
TA Luft/2	NA
EPA	NA
Stage	Stage 2

### ALTERNATOR

Alternator brand	Stamford
Alternator model	SOL2-G
P.R.P. Power	20.0 kVA
L.T.P. Power	21.5 kVA
Connection	Series Star
Phases	3PH + N
Winding	12 terminals Winding 311
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	AS540
Precision	1.0 +/- %

### 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)	5.6 l/h
Fuel Cons. @ 100% (PRP)	5.3 l/h
Fuel Cons. @ 75% (PRP)	4.0 l/h
Fuel Cons. @ 50% (PRP)	3.1 l/h
Fuel Cons. @ 25% (PRP)	2.5 l/h

**DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)**

Length	2000 mm
Width	910 mm
Height	1600 mm
Mass (Dry)	1000 kg

**BASE FRAME (ACOUSTIC CANOPY)**

Base frame model	G2
Standard bunded tank	120 litres
Optional bunded tank	800 litres

**DIMENSIONS & WEIGHT (OPEN FRAME)**

Length	1420 mm
Width	960 mm
Height	1100 mm
Mass (Dry)	610 kg

**BASE FRAME (OPEN FRAME)**

Base frame model	G2-O
Standard bunded tank	120 litres
Optional bunded tank	800 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.

