

# DEUTZ DPS 21DG

## TECHNICAL DATA

Main data	
Prime power (PRP)	20.0 (kVA)
Prime power (PRP)	16.0 (kW)
Standby power (LTP)	21.5 (kVA)
Standby power (LTP)	17.0 (kW)
Voltage, frequency, pf	415V, 50HZ @ 0.8
Sound pressure 7m dB(A)	65.0
Performance class (ISO 8528)	G2

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
Governor class	G2
Governor type	Mechanical
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	PI144D
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
4G & GPS comms module (optional)	CM-4G-GPS
Ethernet 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	2260 mm
Width	1040 mm
Height	1790 mm
Mass (Dry)	1000 kg

Base frame (Acoustic canopy)	
Base frame model	G3
Standard bunded tank	160 litres
Optional bunded tank	800 litres

Dimensions & weight (Open frame)	
Length	2260 mm
Width	1040 mm
Height	1790 mm
Mass (dry)	720 kg

Base frame (Open frame)	
Base frame model	G3-O
Standard bunded tank	160 litres
Optional bunded tank	800 litres

Included accessories	
Battery charger (Input: 240Vac)	Output: 12V 5Adc
Engine heater (Input: 240Vac)	350W
Main circuit breaker	Four pole
Base frame	Bunded

Included features	
Mains monitoring capability	
Preprogramed ATS control outputs	
Preprogramed outputs for low fuel level and common fault	

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

#### Ratings definitions

##### **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.

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.

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

