

# DPS 110 DG

## TECHNICAL DATA SHEET

### MAIN DATA

Prime power (PRP)	100.0 (kVA)
Prime power (PRP)	80.0 (kW)
Standby power (LTP)	110.0 (kVA)
Standby power (LTP)	88.0 (kW)
Voltage, Frequency, pf	415V, 50HZ @ 0.8
Sound pressure 7m dBA	70.0

### ENGINE

Engine brand	DEUTZ
Engine model	BF4M1013EC
Cylinders	4
Speed	1500 rpm
Cubic capacity	4.80 L
Air intake	Turbocharged
Standard voltage	12Vdc
SAE	3-11.5
BMEP	1713 kPa
Cooling	Water
Flywheel P.R.P. Power	92.8 kW
Flywheel Standby Power	97.8 kW
Precision class	-
Oil Quantity	13.0 L
Engine coolant capacity	17.2 L
Radiator standard	IM50
Heat from radiator	65.8 kW
Heat from exhaust	68.8 kW
Heat from radiation	0 kW
Exhaust temperature	490 deg C
Cooling air flow	90.00 m3/min
Combustion air flow	0.00 m3/min
Exhaust gas flow	16.75 m3/min
TA Luft	NA
TA Luft/2	NA
EPA	NA
Stage	Stage 2



### ALTERNATOR

Alternator brand	Stamford
Alternator model	UCI274C
P.R.P. Power	100.0 kVA
L.T.P. Power	110.0 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)	25.7 l/h
Fuel Cons. @ 100% (PRP)	24.2 l/h
Fuel Cons. @ 75% (PRP)	18.3 l/h
Fuel Cons. @ 50% (PRP)	12.8 l/h
Fuel Cons. @ 25% (PRP)	7.7 l/h

**DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)**

Length	2560 mm
Width	1040 mm
Height	1805 mm
Mass (Dry)	1540 kg

**BASE FRAME (ACOUSTIC CANOPY)**

Base frame model	G6
Standard bunded tank	160 litres
Optional bunded tank	800 litres

**DIMENSIONS & WEIGHT (OPEN FRAME)**

Length	2120 mm
Width	960 mm
Height	1580 mm
Mass (Dry)	1160 kg

**BASE FRAME (OPEN FRAME)**

Base frame model	G6-O
Standard bunded tank	160 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.

