

DPS 81 DG

TECHNICAL DATA SHEET

MAIN DATA

Prime power (PRP)	75.0 (kVA)
Prime power (PRP)	60.0 (kW)
Standby power (LTP)	81.0 (kVA)
Standby power (LTP)	64.8 (kW)
Voltage, Frequency, pf	415V, 50HZ @ 0.8
Sound pressure 7m dBA	71.0
Performance class (ISO 8528)	G2

ENGINE

Engine brand	DEUTZ
Engine model	BF4M2012C
Cylinders	4
Speed	1500 rpm
Cubic capacity	4.04 L
Air intake	Turbocharged
Standard voltage	12Vdc
SAE	3-11.5
BMEP	1310 kPa
Cooling	Water
Flywheel P.R.P. Power	71 kW
Flywheel Standby Power	74.9 kW
Governor Class	G2
Governor Type	Mechanical
Oil Quantity	8.5 L
Engine coolant capacity	17.9 L
Radiator standard	Tropical
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	4700 m3/min
Combustion air flow	267.40 m3/min
Exhaust gas flow	829 m3/min
TA Luft	NA
TA Luft/2	NA
EPA	NA
Stage	Stage 2



ALTERNATOR

Alternator brand	Stamford
Alternator model	UCI224G
P.R.P. Power	85.0 kVA
L.T.P. Power	87.5 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)	19.1 l/h
Fuel Cons. @ 100% (PRP)	17.0 l/h
Fuel Cons. @ 75% (PRP)	12.7 l/h
Fuel Cons. @ 50% (PRP)	8.7 l/h
Fuel Cons. @ 25% (PRP)	5.1 l/h

DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)

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

BASE FRAME (ACOUSTIC CANOPY)

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

DIMENSIONS & WEIGHT (OPEN FRAME)

Length	2560 mm
Width	1040 mm
Height	1805 mm
Mass (Dry)	- 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.

