

DPS 140 DG

TECHNICAL DATA SHEET

MAIN DATA

Prime power (PRP)	130.0 (kVA)
Prime power (PRP)	104.0 (kW)
Standby power (LTP)	137.0 (kVA)
Standby power (LTP)	109.6 (kW)
Voltage, Frequency, pf	415V, 50HZ @ 0.8
Sound pressure 7m dBA	70.0
Performance class (ISO 8528)	G2

ENGINE

Engine brand	DEUTZ
Engine model	BF4M1013FC
Cylinders	4
Speed	1500 rpm
Cubic capacity	4.76 L
Air intake	Turbocharged
Standard voltage	12Vdc
SAE	3-11.5
BMEP	2080 kPa
Cooling	Water
Flywheel P.R.P. Power	117.6 kW
Flywheel Standby Power	124.0 kW
Governor Class	G2
Governor Type	Electronic
Oil Quantity	17.0 L
Engine coolant capacity	19.7 L
Radiator standard	IM50
Heat from radiator	86.4 kW
Heat from exhaust	0.0 kW
Heat from radiation	0.0 kW
Exhaust temperature	530 deg C
Cooling air flow	150.00 m3/min
Combustion air flow	0.00 m3/min
Exhaust gas flow	23.15 m3/min
TA Luft	NA
TA Luft/2	NA
EPA	NA
Stage	Stage 2



ALTERNATOR

Alternator brand	Stamford
Alternator model	UCDI274E
P.R.P. Power	140.0 kVA
L.T.P. Power	145.0 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)	31.2 l/h
Fuel Cons. @ 100% (PRP)	29.3 l/h
Fuel Cons. @ 75% (PRP)	21.7 l/h
Fuel Cons. @ 50% (PRP)	14.9 l/h
Fuel Cons. @ 25% (PRP)	8.7 l/h

DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)

Length	3060 mm
Width	1140 mm
Height	2230 mm
Mass (Dry)	1920 kg

BASE FRAME (ACOUSTIC CANOPY)

Base frame model	G10
Standard bunded tank	360 litres
Optional bunded tank	800 litres

DIMENSIONS & WEIGHT (OPEN FRAME)

Length	3000 mm
Width	1140 mm
Height	1820 mm
Mass (Dry)	1500 kg

BASE FRAME (OPEN FRAME)

Base frame model	G10-O
Standard bunded tank	360 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.

