

DPS 13 DF

TECHNICAL DATA SHEET

MAIN DATA

Prime power (PRP)	12.5 (kVA)
Prime power (PRP)	10.0 (kW)
Standby power (LTP)	13.5 (kVA)
Standby power (LTP)	10.8 (kW)
Voltage, Frequency, pf	415V, 50HZ @ 0.8
Sound pressure 7m dBA	63.0
Performance class (ISO 8528)	G2

ENGINE

Engine brand	DEUTZ
Engine model	F2M2011
Cylinders	2
Speed	1500 rpm
Cubic capacity	1.60 L
Air intake	Aspirated
Standard voltage	12Vdc
SAE	3-11.5
BMEP	6.7 bar
Cooling	Oil
Flywheel P.R.P. Power	12.0 kW
Flywheel Standby Power	12.6 kW
Governor Class	G2
Governor Type	Mechanical
Oil Quantity	6.0 L
Engine coolant capacity	NA
Radiator standard	-
Heat from radiator	6.8 kW
Heat from exhaust	- kW
Heat from radiation	2.2 kW
Exhaust temperature	540 deg C
Cooling air flow	1800 m3/hr
Combustion air flow	61 m3/hr
Exhaust gas flow	169 m3/hr
TA Luft	Standard
TA Luft/2	NA
EPA	NA
Stage	Stage 0



ALTERNATOR

Alternator brand	Mecc Alte
Alternator model	ECP3 2L4
P.R.P. Power	13.5 kVA
L.T.P. Power	14.5 kVA
Connection	Series Star
Phases	3PH + N
Winding	12 terminals std
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	DSR
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)	- l/h
Fuel Cons. @ 100% (PRP)	3.4 l/h
Fuel Cons. @ 75% (PRP)	2.5 l/h
Fuel Cons. @ 50% (PRP)	1.8 l/h
Fuel Cons. @ 25% (PRP)	1.1 l/h

DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)	
Length	1660 mm
Width	770 mm
Height	1330 mm
Mass (Dry)	610 kg

BASE FRAME (ACOUSTIC CANOPY)	
Base frame model	B1
Standard bunded tank	50 litres
Optional bunded tank	600 litres

DIMENSIONS & WEIGHT (OPEN FRAME)	
Length	NA
Width	NA
Height	NA
Mass (Dry)	NA

BASE FRAME (OPEN FRAME)	
Base frame model	NA
Standard bunded tank	NA
Optional bunded tank	NA

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.

