DPS 21 DB

TECHNICAL DATA SHEET

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 dBA	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	S0L2-G
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
Remote monitoring (optional)	GSM/GRPS
Comms. expansion 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

DEUTZ
POWER SOLUTIONS

DEUTZ®

DIMENSIONS & WEIGHT	(ACOUSTIC CANOPY)
Length	2030 mm
Width	945 mm
Height	1340 mm
Mass (Dry)	830 kg

BASE FRAME	(ACOUSTIC CANOPY)
Base frame model	B1
Standard bunded tank	90 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.