

# DPS 44 DB

## TECHNICAL DATA SHEET

### MAIN DATA

Prime power (PRP)	40.0 (kVA)
Prime power (PRP)	32.0 (kW)
Standby power (LTP)	44.0 (kVA)
Standby power (LTP)	35.2 (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	BF4M2011
Cylinders	4
Speed	1500 rpm
Cubic capacity	3.11 L
Air intake	Turbocharged
Standard voltage	12Vdc
SAE	3-11.5
BMEP	980 kPa
Cooling	Oil
Flywheel P.R.P. Power	37.4 kW
Flywheel Standby Power	39.2 kW
Governor Class	G2
Governor Type	Mechanical
Oil Quantity	13.0 L
Engine coolant capacity	NA
Radiator standard	ROA
Heat from radiator	24.2 kW
Heat from exhaust	38.6 kW
Heat from radiation	0.0 kW
Exhaust temperature	610 deg C
Cooling air flow	39.50 m3/min
Combustion air flow	2.50 m3/min
Exhaust gas flow	8.53 m3/min
TA Luft	NA
TA Luft/2	NA
EPA	NA
Stage	Stage 2



### ALTERNATOR

Alternator brand	Stamford
Alternator model	S1L2-K
P.R.P. Power	40 kVA
L.T.P. Power	44 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)	10.5 l/h
Fuel Cons. @ 100% (PRP)	9.9 l/h
Fuel Cons. @ 75% (PRP)	7.4 l/h
Fuel Cons. @ 50% (PRP)	5.3 l/h
Fuel Cons. @ 25% (PRP)	3.7 l/h

**DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)**

Length	2030 mm
Width	945 mm
Height	1340 mm
Mass (Dry)	940 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.

