

DPS 550 DG

TECHNICAL DATA SHEET

MAIN DATA

Prime power (PRP)	500.0 (kVA)
Prime power (PRP)	400.0 (kW)
Standby power (LTP)	550.0 (kVA)
Standby power (LTP)	440.0 (kW)
Voltage, Frequency, pf	415V, 50HZ @ 0.8
Sound pressure 7m dBA	76
Performance class (ISO 8528)	G2



ENGINE

Engine brand	DEUTZ
Engine model	BF8M1015CP
Cylinders	8
Speed	1500 rpm
Cubic capacity	15.9 L
Air intake	Turbocharged
Standard voltage	24Vdc
SAE	-
BMEP	-
Cooling	Water
Flywheel P.R.P. Power	430.1 kW
Flywheel Standby Power	472.1 kW
Precision class	G2
Oil Quantity	50 L
Engine coolant capacity	21 L
Radiator standard	-
Heat from radiator	364.0 kW
Heat from exhaust	-
Heat from radiation	40.0 kW
Exhaust temperature	560 deg C
Cooling air flow	29880 m3/h
Combustion air flow	1848 m3/h
Exhaust gas flow	5357 m3/h
TA Luft	NA
TA Luft/2	Standard
EPA	NA
Stage	Stage 2

ALTERNATOR

Alternator brand	Stamford
Alternator model	HCI5D
P.R.P. Power	500.0 kVA
L.T.P. Power	550.0 kVA
Connection	Series Star
Phases	3PH + N
Winding	12 terminals Winding 311
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	AS440
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)	-
Fuel Cons. @ 100% (PRP)	118.0 l/h
Fuel Cons. @ 75% (PRP)	84.9 l/h
Fuel Cons. @ 50% (PRP)	56.1 l/h
Fuel Cons. @ 25% (PRP)	29.5 l/h

DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)

Length	4795 mm
Width	1600 mm
Height	2510 mm
Mass (Dry)	5170 kg

BASE FRAME (ACOUSTIC CANOPY)

Base frame model	G151
Standard bunded tank	800 litres

DIMENSIONS & WEIGHT (OPEN FRAME)

Length	4295 mm
Width	1600 mm
Height	- mm
Mass (Dry)	3700 kg

BASE FRAME (OPEN FRAME)

Base frame model	G151-O
Standard 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.

