

DPS 650 VG

TECHNICAL DATA SHEET

MAIN DATA

Prime power (PRP)	591.0 (kVA)
Prime power (PRP)	472.8 (kW)
Standby power (LTP)	651.0 (kVA)
Standby power (LTP)	520.8 (kW)
Voltage, Frequency, pf	415V, 50HZ @ 0.8
Sound pressure 7m dBA	74.0
Performance class (ISO 8528)	G2

ENGINE

Engine brand	VOLVO
Engine model	TAD1642GE
Cylinders	6
Speed	1500 rpm
Cubic capacity	16.12 L
Air intake	Turbocharged
Standard voltage	12Vdc
SAE	1-14
BMEP	2800 kPa
Cooling	Water
Flywheel P.R.P. Power	503.0 kW
Flywheel Standby Power	554.0 kW
Governor Class	G3
Governor Type	Electronic
Oil Quantity	48.0 L
Engine coolant capacity	33.0 L
Radiator standard	IM50
Heat from radiator	112.0 kW
Heat from exhaust	379.0 kW
Heat from radiation	18.0 kW
Exhaust temperature	456 deg C
Cooling air flow	444.00 m3/min
Combustion air flow	0.00 m3/min
Exhaust gas flow	94.40 m3/min
TA Luft	Standard
TA Luft/2	NA
EPA	Tier 2
Stage	Stage 2



ALTERNATOR

Alternator brand	Stamford
Alternator model	HCI5E
P.R.P. Power	610.0 kVA
L.T.P. Power	665.0 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)	134.4 l/h
Fuel Cons. @ 100% (PRP)	130.3 l/h
Fuel Cons. @ 75% (PRP)	90.1 l/h
Fuel Cons. @ 50% (PRP)	60.9 l/h
Fuel Cons. @ 25% (PRP)	32.2 l/h

DIMENSIONS & WEIGHT (ACOUSTIC CANOPY)

Length	4500 mm
Width	1840 mm
Height	2540 mm
Mass (Dry)	5500 kg

BASE FRAME (ACOUSTIC CANOPY)

Base frame model	G20
Standard bunded tank	950 litres
Optional bunded tank	2500 litres

DIMENSIONS & WEIGHT (OPEN FRAME)

Length	4500 mm
Width	1830 mm
Height	2300 mm
Mass (Dry)	5020 kg

BASE FRAME (OPEN FRAME)

Base frame model	G20-O
Standard bunded tank	950 litres
Optional bunded tank	2500 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.

