

DEUTZ DPS 50 SG

TECHNICAL DATA

Main data

Prime power (PRP)	48.0 (kVA)
Prime power (PRP)	38.4 (kWe)
Standby power (LTP)	50.0 (kVA)
Standby power (LTP)	40.0 (kWe)
Voltage, frequency, pf	220V/128V, 60HZ @ 0.8
Sound pressure 7m dB(A)	69.0
Performance class (ISO 8528)	G2

Engine

Engine brand	DEUTZ
Engine model	BF4M2011
Cylinders	4
Speed	1800 rpm
Cubic capacity	3.1 L
Air intake	Turbocharged
Standard voltage	12Vdc
SAE	3-11.5
BMEP	1010 kPa
Cooling	Oil
Flywheel P.R.P. power	43.2 kW
Flywheel standby power	45.5 kW
Governor class	G2
Governor type	Mechanical
Oil Quantity	10 L
Engine coolant capacity	14 L
Radiator standard	ROA
Heat from radiator	29 kW
Heat from exhaust	NA
Heat from radiation	7 kW
Exhaust temperature	560 deg C
Cooling air flow	2265 m3/h
Combustion air volume	191 m3/h
Exhaust gas flow	531 m3/h
TA Luft	Standard
TA Luft/2	NA
EPA	D2OC45.9
Stage	Stage 2



Alternator

Alternator brand	Stamford
Alternator model	S1L2-Y
Connection	Parallel Star
Phases	3PH + N
Winding	12 terminals Winding 311
Terminal number	12 nr.
IP protection	23
Electronic regulator	AS540
Precision	1.0 +/- %
Class	Cont. H

Control system

Control system brand	DEEP SEA
Control system model	DSE4520 MKII

Fuel consumption

Fuel Cons. @ 100% (LTP)	12.9 l/h
Fuel Cons. @ 100% (PRP)	12.2 l/h
Fuel Cons. @ 75% (PRP)	9.0 l/h
Fuel Cons. @ 50% (PRP)	6.1 l/h
Fuel Cons. @ 25% (PRP)	3.6 l/h

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Dimensions & weight (Acoustic canopy)	
Length	1980 mm
Width	924 mm
Height	1200 mm
Mass (Dry)	~1000kg

Base frame (Acoustic canopy)	
Base frame model	C 20
Standard tank	90 litres



Included accessories	
Battery charger	
Main circuit breaker	
External stop button	
Oil extraction pump	

Included features	
Mains monitoring capability	
Configurable via fascia or PC using USB communication	
Programable outputs for fuel, start and common fault	

DEUTZ Corporation
 3883 Steve Reynolds Blvd. | Norcross, GA 30093
 Phone: 770-564-7100 | E-mail: info.usa@deutz.com | www.deutzamericas.com

Reference conditions	
Standard reference condition temp.	25 deg C
Altitude	100 masl
Relative humidity	30%
Atmospheric pressure	100 kpa
Power factor	0.8 lag
Balanced load	Non-distortional

Ratings definitions

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.

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.

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