

DEUTZ DPS 35 SG

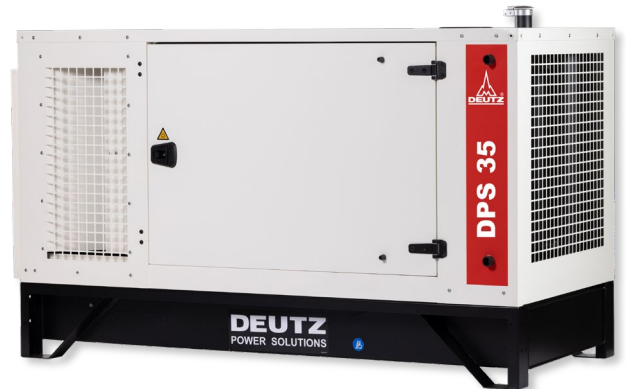
TECHNICAL DATA

Main data

Prime power (PRP)	35.8 (kVAe)
Prime power (PRP)	28.6 (kW)
Standby power (LTP)	37.5 (kVA)
Standby power (LTP)	30.0 (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	F4M2011
Cylinders	4
Speed	1800 rpm
Cubic capacity	3.1 L
Air intake	Aspirated
Standard voltage	12Vdc
SAE	3-11.5
BMEP	760 kPa
Cooling	Oil
Flywheel P.R.P. power	32.8 kW
Flywheel standby power	34.5 kW
Governor class	G2
Governor type	Mechanical
Oil Quantity	10 L
Engine coolant capacity	14 L
Radiator standard	ROA
Heat from radiator	20 kW
Heat from exhaust	NA
Heat from radiation	5 kW
Exhaust temperature	660 deg C
Cooling air flow	1790 m3/h
Combustion air volume	137 m3/h
Exhaust gas flow	400 m3/h
TA Luft	Standard
TA Luft/2	NA
EPA	D2OC34.8
Stage	Stage 2



Alternator

Alternator brand	Stamford
Alternator model	S1L2-K
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

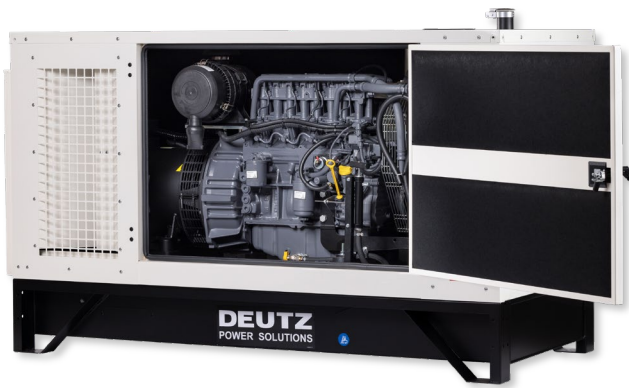
Fuel Cons. @ 100% (LTP)	9.9 l/h
Fuel Cons. @ 100% (PRP)	9.4 l/h
Fuel Cons. @ 75% (PRP)	6.7 l/h
Fuel Cons. @ 50% (PRP)	4.7 l/h
Fuel Cons. @ 25% (PRP)	2.8 l/h

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Dimensions & weight (Acoustic canopy)	
Length	1980 mm
Width	924 mm
Height	1200 mm
Mass (Dry)	~810kg

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	

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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