DEUTZ DPS 50 SG – 240v

TECHNICAL DATA

Main data	
Prime power (PRP)	40.0 (kVA)
Prime power (PRP)	40.0 (kWe)
Standby power (LTP)	38.4 (kVA)
Standby power (LTP)	38.4 (kWe)
Voltage, frequency, pf	240V/120V, 60HZ @ 1.0
Sound pressure 7m dB(A)	69.0
Performance class (ISO 8528)	G2

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	Engine	
Cylinders4Speed1800 rpmCubic capacity3.1 LAir intakeTurbochargedStandard voltage12VdcSAE3-11.5BMEP1010 kPaCoolingOilFlywheel P.R.P. power43.2 kWFlywheel standby power45.5 kWGovernor classG2Governor typeMechanicalOil Quantity10 LEngine coolant capacity14 LRadiator standardROAHeat from radiator29 kWHeat from exhaustNAHeat from radiation7 kWExhaust temperature560 deg CCooling air flow2265 m3/hCombustion air volume191 m3/hExhaust gas flow531 m3/h	Engine brand	DEUTZ
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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	SAE	3-11.5
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	ВМЕР	1010 kPa
Flywheel standby power 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	Cooling	Oil
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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	Flywheel standby power	45.5 kW
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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	Engine coolant capacity	14 L
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Heat from radiation7 kWExhaust temperature560 deg CCooling air flow2265 m3/hCombustion air volume191 m3/hExhaust gas flow531 m3/h	Heat from radiator	29 kW
Exhaust temperature560 deg CCooling air flow2265 m3/hCombustion air volume191 m3/hExhaust gas flow531 m3/h	Heat from exhaust	NA
Cooling air flow2265 m3/hCombustion air volume191 m3/hExhaust gas flow531 m3/h	Heat from radiation	7 kW
Combustion air volume 191 m3/h Exhaust gas flow 531 m3/h	Exhaust temperature	560 deg C
Exhaust gas flow 531 m3/h	Cooling air flow	2265 m3/h
	Combustion air volume	191 m3/h
TA Luft Standard	Exhaust gas flow	531 m3/h
Otandard	TA Luft	Standard
TA Luft/2 NA	TA Luft/2	NA
EPA NA	EPA	NA
Stage Stage 2	Stage	Stage 2



Alternator Alternator brand Alternator brand Stamford Alternator model UCI224F Connection Double Delta Phases 2PH + N Winding 12 terminals Winding 311 Terminal number 12 nr. IP protection 23 Electronic regulator SX460 Precision 1.0 +/- % Class Cont. H		
Alternator model UCI224F Connection Double Delta Phases 2PH + N Winding 12 terminals Winding 311 Terminal number 12 nr. IP protection 23 Electronic regulator SX460 Precision 1.0 +/- %	Alternator	
ConnectionDouble DeltaPhases2PH + NWinding12 terminals Winding 311Terminal number12 nr.IP protection23Electronic regulatorSX460Precision1.0 +/- %	Alternator brand	Stamford
Phases2PH + NWinding12 terminals Winding 311Terminal number12 nr.IP protection23Electronic regulatorSX460Precision1.0 +/- %	Alternator model	UCI224F
Winding 12 terminals Winding 311 Terminal number 12 nr. IP protection 23 Electronic regulator SX460 Precision 1.0 +/- %	Connection	Double Delta
Terminal number 12 nr. IP protection 23 Electronic regulator SX460 Precision 1.0 +/- %	Phases	2PH + N
IP protection 23 Electronic regulator SX460 Precision 1.0 +/- %	Winding	12 terminals Winding 311
Electronic regulator SX460 Precision 1.0 +/- %	Terminal number	12 nr.
Precision 1.0 +/- %	IP protection	23
	Electronic regulator	SX460
Class Cont. H	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





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

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

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

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.

Included features

Mains monitoring capability

Configurable via fascia or PC using USB communication

Programable outputs for fuel, start and common fault





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