DEUTZ POWER SOLUTION





DPS 80

Specifications

Genset model		
Rated speed	rpm	1800
Net Frequency	Hz	60
Rated voltage 3 phases	V	480/277
Rated apparent power (PRP) 3 phases	kVA	80
Rated apparent power (LTP) 3 phases	kVA	91
Nominal current (LTP) 400V - 3 phases	A	109,14
Engine		
Make		DEUTZ
Model		BF4M2012C
Exhaust Emission Standard	Stage	II
Rated PRP gross power	kW	79,0
Rated LTP gross power	kW	88,0
Cooling system		water
Speed governing		mecanical
Governing Standard		G2
Number of cylinders		4
Engine configuration		IL
Displacement	ltr	4,04
Bore/Stroke	mm	102/126
Compression Ratio		18,4
Electrical equipment	V/dc	12
Air		
Max. Intake depression (Switch setting)	[mbar]	25
Combustion Air Volumne	[m³/h]	267,4
Exhaust System		
Max. exhaust Gas Temperature	[C°]	600
Max. Exhaust back pressure	[mbar]	30
Exhaust Gas Flow (at above temperature)	[m³/h]	829
Cooling System		
Standard Cooling System		
Fan Power Consumption	[kW]	4,9
Cooling Air Flow	[m³/h]	4700
Air Pressure Loss	[mbar]	1,5
Heat dissipation (convection)	[kW]	7,5
Lube Oil System		
Lube Oil Capacity (Slump)	[LTR]	1,8
Min Oil Pressure (Shutdown)	[bar]	1,5

Fuel Consumption					
25% Load		240	[g/kWh]	5,4	[LTR/Hour]
50% Load		214	[g/kWh]	9,7	[LTR/Hour]
75% Load		213	[g/kWh]	14,4	[LTR/Hour]
100% Load		217	[g/kWh]	19,3	[LTR/Hour]
Fuel Filter				Spin-on Fuel	Filter
Optional			Pre-f	Filter w/ Water	Separtor
Noise Level (Open / Canopy)					
Sound pressure - 100% load, 7m average	dBA			67	
Generator					
Make				Mecc Alte	
Model				ECP32 3L4	IB
Generator efficiency	%			92,6	
Controller					







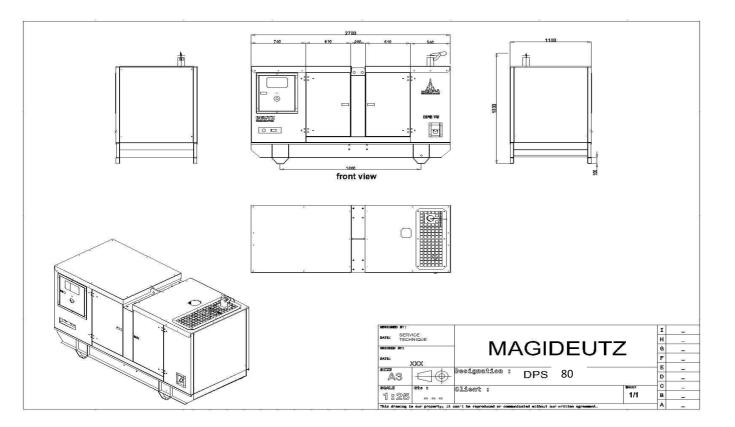


DEUTZ MODEL DESCRIPTION	CLASSIC	BASIC	COMFORT	DELUXE	
FEATURES					
Binary Inputs / Outputs	6/6	4/6	7/7	8/8	
Analog Inputs	3	3	3	4	
Input & Output Configurations	✓	✓	✓	✓	
D+ battery charging alternator circuit	✓	✓	✓	✓	
Generator protections	✓	✓	✓	✓	
AMF / MRS Functions	✓	✓	√	✓	
GCB/MCB Control with Feedback	✓	without feedback	✓	✓	
Frequency measurement Gens/Mains	✓	✓	✓	✓	
ECU support via CAN	✓	✓	✓	✓	
kW / kWh / kVA measurement	kVA	Kw/Kwh/kVA	Kw/Kwh/kVA	Kw/Kwh/kVA	
Magnetic pickup	×	✓	✓	✓	
RTC / Battery	×	×	✓	✓	
Total Fuel Consumption	×	×	✓	✓	
Dummy Load / Load Shedding	×	×	✓	✓	
Analog Calibration	×	×	✓	✓	
Auto.Temperature based on heating & cooling	×	×	✓	✓	
PLC	×	×	×	✓	
Modbus support / SNMP support	×	×	0	✓	
SNMP traps	×	×	×	0	
Remote Control	×	0	0	0	
Earth fault current protections	×	×	0	0	
Manual Speed Control (For ECU Engines)	×	×	×	✓	
2 x 10 A binary output for cranking and fuel solenoid	×	×	×	✓	
Fuel pump	×	×	×	✓	
Connection type autodetect	×	×	×	✓	
TIER 4 Final Support	×	×	×	✓	





Weight and dimensions		open	canopy
Weight	kg	800	1620
Length	mm	2000	2700
Width	mm	950	1100
Height	mm	1450	1800
Fuel tank capacity (option)	ltr	105	190



Cowling and soundproofing: According to international standards

- The inner walls of the cowling: pulverized antiresonant material
- Doors and hatches: Sealed with rubber and foam join resists heat
- All steel supports: sandblasted and degreased covered:
- * A first layer of epoxides
- * Two coats of synthetic paints

Coupling

The engine and alternator are coupled together and form a single piece by a semi elastic device.

The coupling system is specially designed piece, flywheel housing.

The system provides constant perfect alignment and allow a simple and easy maintenance

Chassis

The frame is steel, generously sized, fully welded to the arc and absolutely rigid to support the complete generator with all accessories, coupled to the generator. Electrically welded which will be installed the engine and alternator through the insulating elastic soles vibration fixed with galvanized bolts and washers.

The motor generator will be rigidly fixed flanges with a piece of semi elastic coupling

Painting

The painting is of high quality and made of metalized 2 primer and 2 topcoats for all components and accessories of the generator.



