DEUTZ POWER SOLUTION

DPS 30

Specifications

Genset model		
Rated speed	rpm	1500
Net Frequency	Hz	50
Rated voltage 3 phases	V	400/230
Rated apparent power (PRP) 3 phases	kVA	32
Rated apparent power (LTP) 3 phases	kVA	33
Nominal current (LTP) 400V - 3 phases	A	47,69
Engine		
Make		DEUTZ
Model		F4M2011
Exhaust Emission Standard	Stage	II
Rated PRP gross power	kW	29,4
Rated LTP gross power	kW	30,4
Cooling system		oil
Speed governing		mecanical
Governing Standard		G2
Number of cylinders		4
Engine configuration		IL
Displacement	ltr	3,11
Bore/Stroke	mm	94/112
Compression Ratio		19
Electrical equipment	V/dc	12
Air		
Max. Intake depression (Switch setting)	[mbar]	20
Combustion Air Volumne	[m³/h]	122
Exhaust System		
Max. exhaust Gas Temperature	[C°]	599
Max. Exhaust back pressure	[mbar]	30
Exhaust Gas Flow (at above temperature)	[m³/h]	337
Cooling System		
Standard Cooling System		
Fan Power Consumption	[kW]	0,4
Cooling Air Flow	[m³/h]	1800
Air Pressure Loss	[mbar]	1,5
Heat dissipation (convection)	[kW]	-
Lube Oil System		
Lube Oil Capacity (Slump)	[LTR]	2,1
Min Oil Pressure (Shutdown)	[bar]	1,5

Fuel Consumption				
25% Load	292	[g/kWh]	2,7	[LTR/Hour]
50% Load	238	[g/kWh]	4,5	[LTR/Hour]
75% Load	228	[g/kWh]	6,3	[LTR/Hour]
100% Load	241	[g/kWh]	8,9	[LTR/Hour]
Fuel Filter			Spin-on Fuel Filter	
Optional			Pre-Filter w/ Water Separtor	

Noise Level (Open / Canopy)		
Sound pressure - 100% load, 7m average	dBA	67

Generator		
Make		Mecc Alte
Model		ECP28 VL4A
Generator efficiency	%	88,0

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	×	×	○	✓
SNMP traps	×	×	×	○
Remote Control	×	○	○	○
Earth fault current protections	×	×	○	○
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	×	×	×	✓

✓ Included
× Excluded
○ Optional - Plug in

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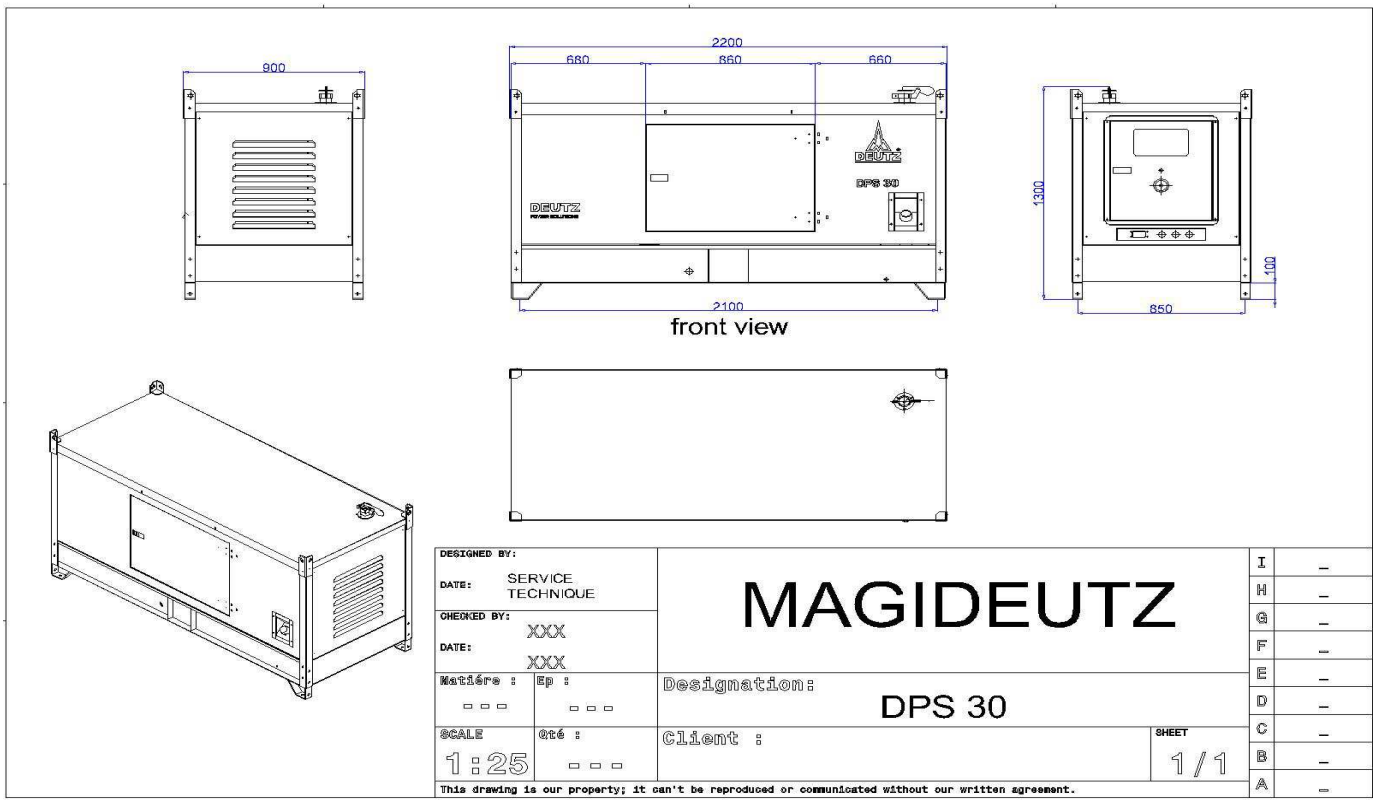
Weight and dimensions		open	canopy
Weight	kg	570	820
Length	mm	1500	2200
Width	mm	680	900
Height	mm	1300	1300
Fuel tank capacity (option)	ltr	75	100



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.