



DEUTZ POWER SOLUTION



► 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	1 010
Rated apparent power (LTP) 3 phases	kVA	1 111
Nominal current (LTP) 400V - 3 phases	A	1 603
Engine		
Make		MTU
Model		16V2000G26F
Exhaust Emission Standard	Stage	III
Rated PRP electrical	kW el	808,0
Rated LTP electrical	kW el	888,0
Cooling system		water
Series regulator		Electronic
Suction		Turbo-Intercooler
Number of cylinders		16
Engine configuration		V
Displacement	ltr	35,7
Bore/Stroke	mm	135/156
Compression Ratio		17,5
Electrical equipment	V/dc	24
Injection		Common Rail
Ventilation System		
Air cooling flow	[m ³ /s]	87732
Combustion Air flow	[m ³ /s]	4824
Exhaust System		
Max. exhaust Gas Temperature	[C°]	485
Max. Exhaust back pressure	[mbar]	50
Exhaust Gas Flow (at above temperature)	[m ³ /h]	12384
Cooling System		
Fan Power Consumption	[kW]	14,1
Cooling Air Flow	[m ³ /h]	33120
Air Pressure Loss	[mbar]	1,5
Heat dissipation (convection)	[kW]	40
Lube Oil System		
Lube Oil Capacity (Slump)	[ltr]	110

Fuel Consumption

25% Load	[ltr/hour]	58
50% Load	[ltr/hour]	105
75% Load	[ltr/hour]	160
100% Load	[ltr/hour]	213
Fuel Filter		Spin-on Fuel Filter

Noise Level (Open / Canopy)

Sound pressure - 100% load, 7m average	dBA	67
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Generator

Make		Mecc Alte or Stamford
Generator efficiency	%	94

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	x	✓	✓	✓
RTC / Battery	x	x	✓	✓
Total Fuel Consumption	x	x	✓	✓
Dummy Load / Load Shedding	x	x	✓	✓
Analog Calibration	x	x	✓	✓
Auto.Temperature based on heating & cooling	x	x	✓	✓
PLC	x	x	x	✓
Modbus support / SNMP support	x	x	○	✓
SNMP traps	x	x	x	○
Remote Control	x	○	○	○
Earth fault current protections	x	x	○	○
Manual Speed Control (For ECU Engines)	x	x	x	✓
2 x 10 A binary output for cranking and fuel solenoid	x	x	x	✓
Fuel pump	x	x	x	✓
Connection type autodetect	x	x	x	✓
TIER 4 Final Support	x	x	x	✓

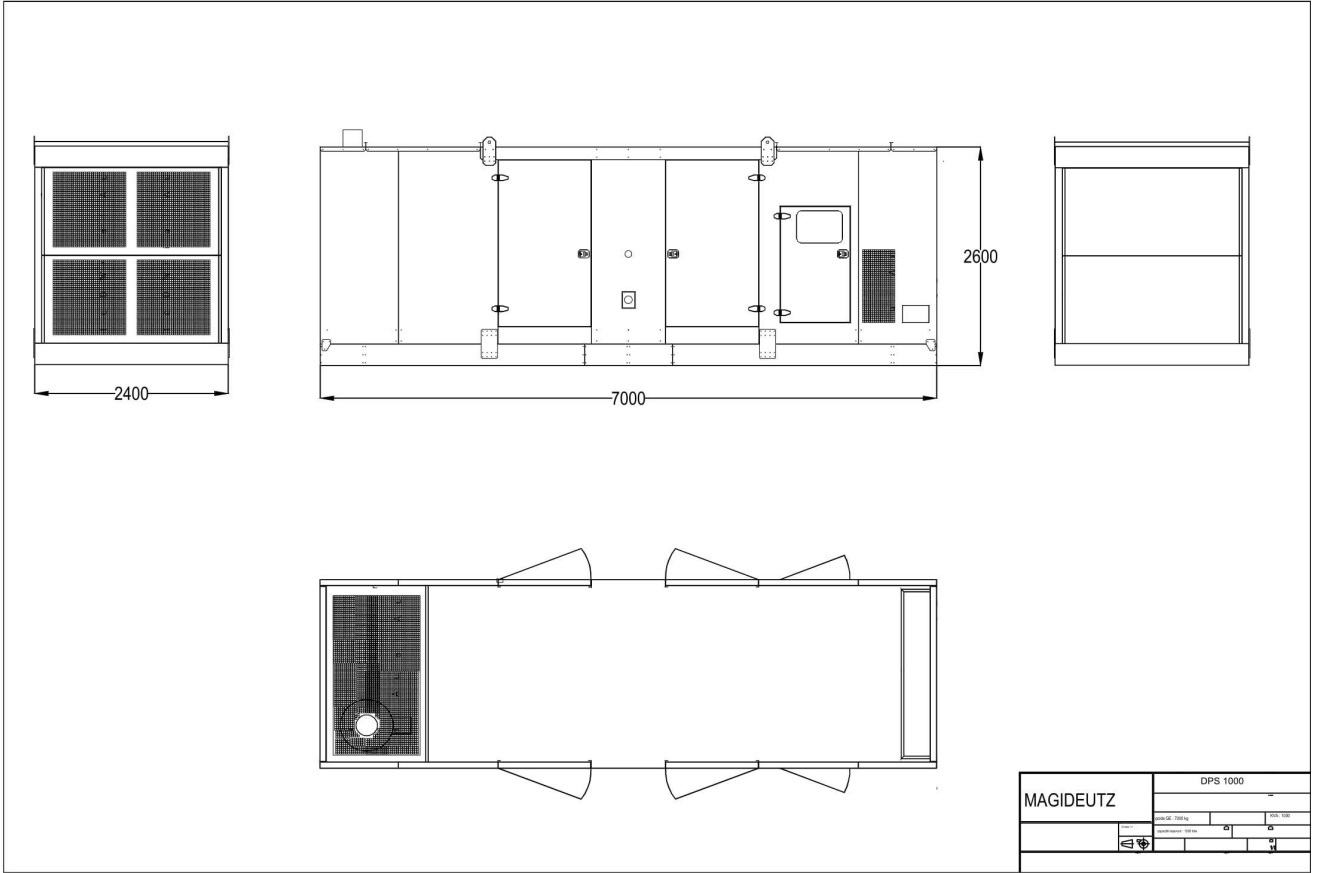
-  Included
-  Excluded
-  Optional - Plug in



Weight and dimensions

Weight	kg	Canopy 11 700
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Length	mm	7 000
Width	mm	2 400
Height	mm	2 600
Fuel tank capacity (option)	ltr	1 000



- 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.

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