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	600		
Rated apparent power (LTP) 3 phases	kVA	655		
Nominal current (LTP) 400V - 3 phases	A	945,0		
Engine				
Make		MTU		
Model		12V1600G10F		
Exhaust Emission Standard	Stage	TAL 2000/Stage 2		
Rated PRP gross power	kW el	480,0		
Rated LTP gross power	kW el	524,0		
Cooling system		water		
Speed governing		electronical		
Governing Standard		G2		
Number of cylinders		12		
Engine configuration		V		
Displacement	ltr	1,75		
Bore/Stroke	mm	122/150		
Compression Ratio		17,5		
Electrical equipment	V/dc	24		
Air				
Max. Intake depression (Switch setting)	[mbar]	50		
Combustion Air Volumne	[m³/s]	0,6		
Exhaust System				
Max. exhaust Gas Temperature	[C°]	482		
Max. Exhaust back pressure	[mbar]	150		
Exhaust Gas Flow (at above temperature)	[m³/h]	90		
Cooling System				
Standard Cooling System				
Fan Power Consumption	[kW]	34		
Cooling Air Flow	[m³/h]	803		
Air Pressure Loss	[mbar]	1000		
Heat dissipation (convection)	[kW]	225		
Lube Oil System				
Lube Oil Capacity (Slump)	[bar]	2,6		
Min Oil Pressure (Shutdown)	[bar]	2,4		

Fuel Consumption					
25% Load	224	[g/kWh]	32	[LTR/Hour]	
50% Load	211	[g/kWh]	60	[LTR/Hour]	
75% Load	206	[g/kWh]	86	[LTR/Hour]	
100% Load	205	[g/kWh]	115	[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		75		
Generator					
Make			Mecc A	Alte	
Model			ECO40)-1.5L4A	
Generator efficiency	%		94		
Controller					







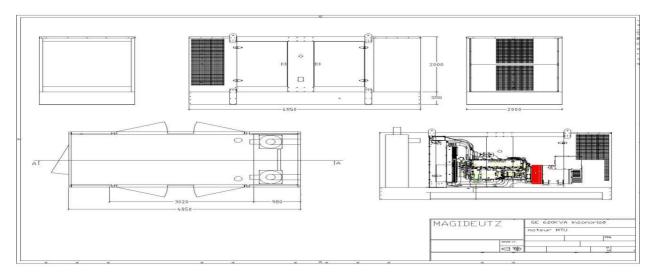


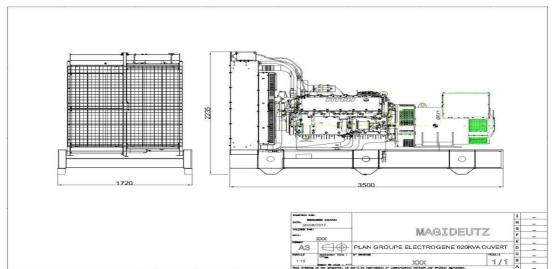
DEUTZ MODEL DESCRIPTION	CLASSIC	BASIC	COMFORT	DELUXE
FFATURES				
FEATURES	- / -			
Binary Inputs / Outputs	6/6	4/6	7/7	8/8
Analog Inputs	3	3	3	4
Input & Output Configurations	✓	✓	✓	✓
D+ battery charging alternator circuit	✓	✓	✓	\checkmark
Generator protections	✓	\checkmark	✓	\checkmark
AMF / MRS Functions	✓	✓	✓	✓
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	×	×	✓	\checkmark
Analog Calibration	×	×	✓	✓
Auto.Temperature based on heating & cooling	×	×	✓	\checkmark
PLC	×	×	×	✓
Modbus support / SNMP support	×	×	0	\checkmark
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	4 600	6 000
Length	mm	3 500	4 850
Width	mm	1 720	2 000
Height	mm	2 235	2 350
Fuel tank capacity (option)	ltr	1 000	550





<u>Cowling and soundproofing</u>: 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

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.



