



**DEUTZ POWER SOLUTION**



**DPS 620**

## ► 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 Separator			

## Noise Level ( Open / Canopy )

Sound pressure - 100% load, 7m average	dB(A)	75
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## Generator

Make	Mecc Alte		
Model	ECO40-1.5L4A		
Generator efficiency	%	94	

## Controller



DEUTZ MODEL DESCRIPTION	CLASSIC	BASIC	COMFORT	DELUXE
<b>FEATURES</b>				
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



