



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-Filter w/ Water Separator	

Noise Level (Open / Canopy)

Sound pressure - 100% load, 7m average	dB(A)	67
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Generator

Make	Mecc Alte
Model	ECP32 3L4B
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	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



