



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA

**Model CPU546**

Standby power 437 kW / 546 kVA

Prime power N/A kW / N/A KVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	437(546)				N/A			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
L/hr	16	48	81	105	N/A	N/A	N/A	N/A

Engine	
Engine manufacturer	MTU
Engine model	10V1600G80F
Configuration	90°V, 10Cylinders, 4 Cycle
Aspiration	Turbocharged and aftercooled
Gross engine power output -- kW/m	493
BMEP at set rated load -- kPa	2250
Bore -- mm	122
Stroke -- mm	150
Rated speed -- rpm	1500
Piston speed -- m/s	7.5
Compression ratio	17.5:1
Lube oil capacity -- L	60.5
Overspeed limit -- rpm	1800
Regenerative power -- kW/m	N/A
Governor type	Electronic
Starting voltage	24 Volts DC

Fuel flow	
Recommended fuel	ASTM NO.2-D
Governor Type	Electronic
Max fuel transfer pump suction--(m)	5.0

Oil system	
Oil system capacity--(L)	60.5
Recommended oil	API-CG OR BETTER
Oil normal temperature--(°C)	100
Oil consumption at 100%	0.219

Air	
Combustion air -- m <sup>3</sup> /min	28.8

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	82.8
Exhaust temperature--(°C)	540
Allowable restriction--(kPa)	15

The above information is only for reference purpose and shall constitute no restraint to us. No further notice shall be given upon any change of the information, We reserve the authority for final revision.

Exhaust pipe diameter--(mm)	2xφ 127
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### Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	94
Fan power--(kW)	17.2
Fan Air flow--(m <sup>3</sup> /min)	582
Coolant normal temperature--(°C)	82-95
Max water temperature--(°C)	102
Type of coolant	Glycol

### Alternator

Alternator manufacturer	Mecc alte
Alternator model	ECO40-3S/4 A
Control System	Brushless, MAUX auxiliary winding
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	2/3
Voltage adjust scope	≥ ±5%
Weight--(kg)	1171
A.V.R.	DER1
Protection	IP 23
Stator Winding	N/A
Winding Leads	12
Voltage regulation	±0.5%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	0.9
Voltage (v)	400/230

### Weights\*

	Open	Enclosed
Unit wet weight kgs	N/A	N/A

\* Weights represent a set with standard features. See outline drawing for weights of other configurations

### Dimensions

	Length "A"	Width "B"	Height "C"
Standard open set dimensions, mm	N/A	N/A	N/A

### Control Panel

Manual Control Panel:	Auto Control Panel:	Remote control Panel:
Manual start	Manual and auto start	All the parameter can display on LCD screen
Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed by means of LCD	The parameter of Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed on LCD screen	It includes all the function of manual and auto control panel.
Emergency stop pushbutton	Emergency stop push button	Detect RPM of the gen-set, active power, power factor and so on. It also can detect main parameter, include main voltage, main frequency. Event and performance log

See your distributor for more information.

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