



Frequency : 60Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA

**Model CPU1890**  
 continuous power 1512k W /1890kVA



Fuel consumption	Standby				Continuous power			
	kW (kVA)				kW (kVA)			
Ratings	N/A				1512(1890)			
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	N/A	N/A	N/A	N/A	140	219	301	390

Engine	
Engine manufacturer	MTU
Engine model	16V4000G43
Configuration	90°V.16Cylinders.4 Cycle
Aspiration	Turbocharged and water to air cooled
Gross engine power output -- kWm	1680
BMEP at set rated load -- kPa	1990
Bore -- mm	170
Stroke -- mm	210
Rated speed -- rpm	1800
Piston speed -- m/s	N/A
Compression ratio	16.4:1
Lube oil capacity -- L	300
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	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)	1

Oil system	
Oil system capacity--(L)	300
Recommended oil	API-CG OR BETTER
Oil maximum temperature--(°C)	88
Oil consumption at 100%	1.64

Air	
Combustion air -- m <sup>3</sup> /min	186

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	456
Exhaust temperature--(°C)	465
Allowable restriction--(kPa)	8.5

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Exhaust pipe diameter--(mm)	2 × φ 254
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**Standard set-mounted radiator cooling**

engine capacity--(L)	512
Fan power--(kW)	75
Fan Air flow--(m <sup>3</sup> /min)	2160
Coolant normal temperature--(°C)	100
Max water temperature--(°C)	102
Type of coolant	Glycol

**Alternator**

Alternator manufacturer	Stamford
Alternator model	PI734C
Control System	PMG and Brushless
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	3018
A.V.R.	MX321
Protection	IP 23
Stator Winding	DOUBLE LAYER LAP
Winding Leads	6
Voltage regulation	±0.5%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	3.45
Voltage (v)	480V/277V

**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 Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed by means of LCD Emergency stop pushbutton	Manual and auto start The parameter of Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed on LCD screen Emergency stop push button	All the parameter can display on LCD screen It includes all the function of manual and auto control panel. 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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