



Frequency : 50Hz
 Fuel Type : Diesel

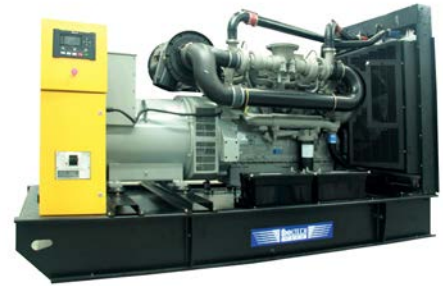
COOL POWER GENSET

TECHNICAL DATA

Model CPP1890E

Standby power 1509.5 KW / 1886.9KVA

Prime power 1375.7KW / 1719.6 KVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	1509.5(1886.9)				1375.7(1719.6)			
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	N.A	187	275	405

Engine

Engine manufacturer	Perkins
Engine model	4012-46TAG3A
Configuration	60°Vee, 12Cylinder, 4 Cycle
Aspiration	Turbocharged
Gross engine power output -- kWm	1643
BMEP at set rated load -- kPa	2610
Bore -- mm	160
Stroke -- mm	190
Rated speed -- rpm	1500
Piston speed -- m/s	9.5
Compression ratio	13:1
Lube oil capacity -- L	177
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	N/A
Governor type	Electrical
Starting voltage	24 Volts DC

Fuel flow

Recommended fuel	ASTM NO.2-D
Governor type	Electrical
Max fuel transfer pump suction--(m)	2.5

Oil system

Oil system capacity--(L)	177
Recommended oil	API CH4 15W/40
Oil normal temperature--(°C)	105
Oil consumption at 100% load--(l/h)	0.79

Air

Combustion air -- m ³ /min	135
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Exhaust

Exhaust flow--(m ³ /min)	350
Exhaust temperature--(°C)	480
Allowable restriction--(kPa)	5

Exhaust pipe diameter--(mm)	2 × Φ 250
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Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	210
Fan power--(kW)	64
Fan Air flow--(m ³ /min)	2220
Coolant normal temperature--(°C)	71-85
Max water temperature--(°C)	98
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	PI734E
Control System	SEPARATELY EXCITED BY P.M.G.
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ± 10%
Weight--(kg)	3556
A.V.R.	MX321
Protection	IP 23
Stator Winding	Double layer Lap
Winding Leads	6
Voltage regulation	≤ ± 1%
Bearing number	1
Cooling Air--(m ³ /sec)	2.69

Weights*

	Open	Enclosed
Unit wet weight kgs	12707	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	5040	2200	2715

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. Detect RPM of the gen-set, active power, power factor and so on.
Emergency stop pushbutton	Emergency stop push button	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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