



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA

Model **CPC3000E**
 Standby power 2332 kW / 2915 kVA
 Prime power 2120 kW / 2650 kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	2332 (2915)				2120 (2650)			
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	567	177	300	410	527

Engine

Engine manufacturer	Cummins
Engine model	QSK78-G9
Configuration	4-Cycle; 60° Vee; 18-Cylinder Diesel
Aspiration	Turbocharged and Low Temperature Aftercooled
Gross engine power output -- kWm	2539
BMEP at set rated load -- kPa	2375
Bore -- mm	170
Stroke -- mm	190
Rated speed -- rpm	1500
Piston speed -- m/s	9.5
Compression ratio	15.3:1
Lube oil capacity -- L	466
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	189
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)	1.7

Oil system

Oil system capacity--(L)	466
Recommended oil	API CG4
Oil normal temperature--(°C)	121
Oil consumption at 100% load--(l/h)	2.85

Air

Combustion air -- m ³ /min	193.2
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Exhaust

Exhaust flow--(m ³ /min)	432.5
Exhaust temperature--(°C)	≤427
Allowable restriction--(kPa)	6.8
Exhaust pipe diameter--(mm)	2 × Φ 250

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	703.4
Fan power--(kW)	90
Fan Air flow--(m ³ /min)	N/A
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Leroy Somer
Alternator model	LSA 53.2 M7
Control System	AREP +PMI
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ± 5%
Weight--(kg)	5300
A.V.R.	D510C
Protection	IP 23
Stator Winding	Double layer Lap
Winding Leads	6
Voltage regulation	≤ ± 0.5%
Bearing number	1
Cooling Air--(m ³ /sec)	2.5
Voltage (v)	400

Weights*

	Open	Enclosed
Unit wet weight kgs (Estimated)	24828	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 (Estimated)	8390	2896	3632

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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