



Frequency : 50Hz  
 Fuel Type : Diesel

## COOL POWER GENSET TECHNICAL DATA

### Model CPP720

Standby power 632 kW / 790 kVA  
 Prime power 589.7 kW / 737.1 kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	632 (790)				589.7 (737.1)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
L/hr	N/A	89.5	128	179	N/A	77.5	113.8	151
g/kWh	N/A	224	214	224	N/A	208	204	202

### Engine

Engine manufacturer	Perkins
Engine model	4006-23TAG2A
Configuration	4-Cycle; In Line; 6-Cylinder Diesel
Aspiration	Turbocharged
Gross engine power output -- kWm	721
BMEP at set rated load -- kPa	2295
Bore -- mm	160
Stroke -- mm	190
Rated speed -- rpm	1500
Piston speed -- m/s	9.5
Compression ratio	13.6:1
Cubic capacity -- L	22.921
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	N/A
Governor type	Electronic
Starting voltage	24 Volts DC

### Fuel flow

Recommended fuel	Combined unit injector
Governor Type	Electronic
Max fuel transfer pump suction--(m)	2.5

### Oil system

Oil system capacity--(L)	113.4
Recommended oil	API-CD OR BETTER
Oil Pressure at Rated Speed--(kPa)	300
Oil consumption at 100% load--(l/h)	0.43

### Air

Combustion air -- l/s	1066.6/1183.3
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Exhaust flow--(l/s)	3000
Exhaust temperature--(°C)	≤430
Allowable restriction--(kPa)	6

Exhaust pipe diameter--(mm)	152.4*2
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**Standard set-mounted radiator cooling**

Engine Coolant Capacity--(L)	105
Fan power--(kW)	30
Fan Air flow--(m <sup>3</sup> /min)	875
Coolant normal temperature--(°C)	71-85
Max water temperature--(°C)	98
Type of coolant	Glycol

**Alternator**

Alternator manufacturer	STAMFORD
Alternator model	LVI634B
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)	2023
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)	2.18

**Weights\***

	Open	Enclosed
Unit wet weight kgs	6025	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	4000	1710	2210

**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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