



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPC1100E**
 Standby power 880 kW / 1100kVA
 Prime power 800 kW / 1000 kVA

| Fuel consumption | Standby | | | | Prime | | | |
|------------------|------------|-----|-----|------|-----------|-----|-----|------|
| | kW (kVA) | | | | kW (kVA) | | | |
| Ratings | 880 (1100) | | | | 800(1000) | | | |
| 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 | 224 | 54 | 102 | 151 | 202 |

Engine

| | |
|----------------------------------|--|
| Engine manufacturer | Cummins |
| Engine model | QST30-G4 |
| Configuration | 4-Cycle; 50° Vee; 12-Cylinder Diesel |
| Aspiration | Turbocharged and Low Temperature Aftercooled |
| Gross engine power output -- kWm | 970 |
| BMEP at set rated load -- kPa | 2310 |
| Bore -- mm | 140 |
| Stroke -- mm | 165 |
| Rated speed -- rpm | 1500 |
| Piston speed -- m/s | 8.3 |
| Compression ratio | 14.0:1 |
| Lube oil capacity -- L | 154 |
| Overspeed limit -- rpm | N.A |
| Regenerative power -- kWm | 58 |
| 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) | 1.38 |

Oil system

| | |
|------------------------------|------------------|
| Oil system capacity--(L) | 154 |
| Recommended oil | API-CD OR BETTER |
| Oil normal temperature--(°C) | 121 |
| Oil consumption at 100% | 1.0 |

Air

| | |
|---------------------------------------|-----------|
| Combustion air -- m ³ /min | 56.7/60.3 |
|---------------------------------------|-----------|

Exhaust

| | |
|-------------------------------------|-----------|
| Exhaust flow--(m ³ /min) | 165/178.8 |
| Exhaust temperature--(°C) | ≤575 |
| Allowable restriction--(kPa) | 6.8 |

| | |
|-----------------------------|-----------|
| Exhaust pipe diameter--(mm) | 2 × Φ 159 |
|-----------------------------|-----------|

Standard set-mounted radiator cooling

| | |
|-------------------------------------|--------|
| Radiator and engine capacity--(L) | 233 |
| Fan power--(kW) | 27 |
| Fan Air flow--(m ³ /min) | N.A |
| Coolant normal temperature--(°C) | 82-95 |
| Max water temperature--(°C) | 104 |
| Type of coolant | Glycol |

Alternator

| | |
|------------------------------------|-------------------------|
| Alternator manufacturer | Stamford |
| Alternator model | HCI634J |
| Control System | PMG |
| Insulation class | H |
| Temperature Rise | H |
| Rated Power Factor | 0.8 |
| Winding Pitch | Two Thirds |
| Voltage adjust scope | ≥ ±5% |
| Weight--(kg) | 1959 |
| A.V.R. | MX321 |
| Protection | IP 23 |
| Stator Winding | Double layer Concentric |
| Winding Leads | 6 |
| Voltage regulation | ≤ ±0.5% |
| Bearing number | 1 |
| Cooling Air--(m ³ /sec) | 1.614 |

Weights*

| | Open | Enclosed |
|---------------------|------|----------|
| Unit wet weight kgs | 7100 | 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 | 3958 | 1765 | 2346 |

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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