



PCC1250B

Prime Power: 900KW/1125KVA Powered by Cummins KTA38-G9E Standby Power:1000KW/1250KVA

Engine

≤+20% ≤-15%

 \leq 1S(Voltage \pm 3%)

≤3S

Voltage: 400V

Genset Performance

- 230/400V, 50Hz, 0.8PF, 3 Phases 4 wires
- Frequency drop ≤3%
- Voltage regulation ≤0.3%
- The steady state frequency ≤0.5%
- The steady state voltage deviation $\leq \pm 1\%$
- The transient frequency deviation \leq +10% \leq -15%
- The transient voltage deviation
- Frequency recovery time
- Voltage recovery time
- THF (Telephone Harmonic Factor) <3</p>
- TIF (Telephone Influence Factor) <50
 Comply to Standard NEMA MG1-22.43
- Built-in vibration isolator with high performance on shock absorption.

Optional Items

- Starting batteries
- Fuel tank
- Circuit Breaker
- Lubricate-water separator
- Sensor for low coolant level, low fuel/oil level
- City power monitoring & controlling system
- Coolant heater
- Oil heater
- Heat exchanger--Water cooled tower system
- 20HQ or 40HQ Contatiner Type Soundproof canopy
- Trailer Type
- Environmentally design and construction of Genset room engineering for the Genset room

Standard Configuration

- Cummins Engine
- Brushless synchronous alternator
- POWERTEC intelligent controller
- 40°C standard ambient temperature (50°C Optional)
- Float battery charger
- Battery connect wire
- Steel base frame
- Silencer, bellows, exhaust bend
- Manual book and files



Diesel Engine

Model: KTA38-G9E

- Construction: replaceable wet type cylinder block has excellent radiation. Mature standard spare parts commonly apply to other engine in this series.Cylinder block and head will have no fault with the designment of internal oil passage and compact structure
- Cooling system: Adopt gear centrifugal water pump to cool down water temperature. With large flow channel designmeng ,it has good cooling performance;
- Fuel system: Cummins patented technology (PT) fuel system optimizes combustion and reduces emission;

The engine may be operated at :



1800 RPM up to 5000 ft. (1500 m) and 104° F (40 °C) without power deration. 1500 RPM up to 5000 ft. (1500 m) and 104 ° F (40 °C) without power deration. For sustained operation above these conditions, derate by 4% per 1,000 ft.(300 m), and 1% per 10 ° F (2% per 11 °C).

Alternator

- Optional brands: Stamford / Marathon / Faraday / Engga / Mecc Alt
- Brushless, 4 pole rotating magnetic field, single bearing with protective cover.
- Insulation: H Class.
- IP Class: IP23
- Cooling system
- AC exciter, rotate rectifying
- Rotor and exciter made with high temperature insulating resin, to satify tough environment.
- Rotor dynamic balancing complys for BS5625, class 2.
- Sealed with advanced lubricating grease to prolong life of bearing.



Intelligent Control System



Standard

- 3 phases voltage: Ua, Ub, Uc
- Frequency F1
- Apparent power PR
- Power factor PF
- Coolant temperature WT
- Temperature °C display
- Oil pressure OP
- Engine speed

- **3 phases current**: La, Lb, Lc
- Active power PA
- Power factor PF
- Temperature °C display
- KPa/Psi/Bar display
- Battery voltage V
- Running Hour
- Starting timer:(999999)



Standard Protection

Genset Protection

Programmable I/O signal

Engine Protection

- Stop for over speed
- Low oil pressure
- High Coolant temperature
- Sensor fail

Alternator Protection

- Over Voltage
- Over current
- Voltage signal lost

Control System Components

- Manual/auto/stop/start
- Setting button
- Fault status indicators

Emergency stop

- Alarm for low/high battery voltage
- Low battery voltage
- Fail to start/Cranking fail
- Over Voltage
- Over frequency
- Under frequency
- Screen menu selection button
- Emergency stop button
- Digital displayer

Communication Interface

(Option)

International standard MODBUS communication protocol RS232/ RS485 is suitable for remote control and monitor; It is easy integrated with SCADA.



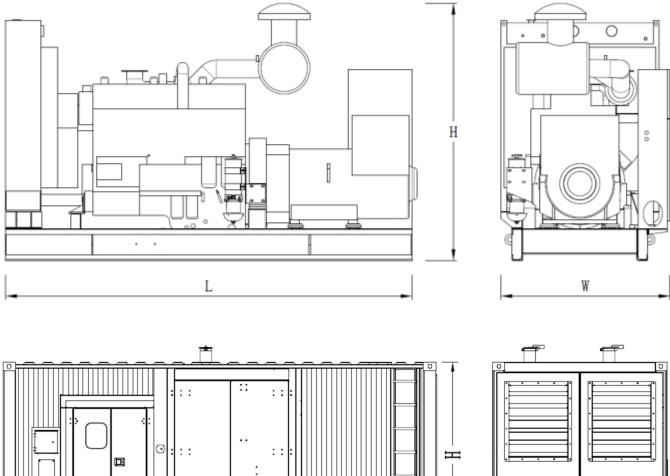
Data sheet of Genset

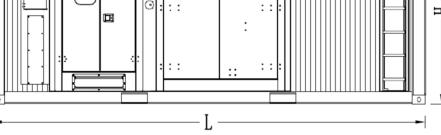


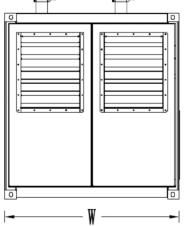
ModelPCC1250BPrime Rating (kw)900Standby Rating (kw)1000Rate voltage(V)400Rate current(A)1624Frequency(Hz)50Engine				
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Rate current(A)1624Frequency(Hz)50				
Frequency(Hz) 50				
Engine				
Ligine				
Engine Model KTA38-G9E				
Gross Engine output-Prime (kw) 990				
Gross Engine output-Standby (kw) 1100				
Bore * stroke (mm) 159*159				
Cylinders and structure 12 Cylinder ; Vee				
Displacement(Liter) 38				
Compression Ratio 14.7:1				
Intake way Turbocharged/Water-Air intercooler				
Max intake resistance (KPa) 6.23				
Air intake (m3/h) 4132				
Max exhaust back pressure (KPa) 10				
Exhaust gas flow (m3/h) 4289				
Exhaust temp (°C) 488				
Cooling way Water Radiator & Fan				
Fan exhaust flow (m3/min)1500				
Coolant capacity (L) 354				
Highest water temperature(°C)96				
Minimum air opening to room (m2) 5.2/4.3				
Thermostat range (°C)82-93				
Max oil temperature (°C) 121				
Lubrication system oil capacity (L) 135				
Rate load fuel consumption(L/H) 240.7				
Standard Governor/Class Electronic				
Emission Provide non-road China III emission reports				
Alternator				
Rated Voltage(V) 230/400				
Output Way 3 Phases, 4 wires				
Rated power factor 0.8				
Exciter Brushless, Self-exciter				
Max voltage regulation ±1%				
Phase 3				
Protection class IP21-23				
Insulation class H				
Controller				
Brand POWERTEC				

Dimension and Weight









Туре	Dimension (mm) (L*W*H)	Weight (kg)	Fuel Tank Capacity (L)
Open Type	4800*2098*2339	7500	-
Silent Type	6058*2438*2591	11700	1500

Contact Us

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Powertec Generator System Inc.

Add:	Danshui Yanna Industry Zone, Huiyang, Huizhou, Guangdong, China
Tel:	+86 752-3911119 / 3911118
Fax:	+86 752-3911110
Web:	www.powertec.com.cn
Email:	powertec@powertec.com.cn