Technical Specification for Cummins Industrial Type Generator Set

Rated Power 1000KW/1250KVA TPD1250C5-1

**DIESEL GENERATOR DATA:**
- Generator set model: TPD1250C5-1
- Generator rated power: 1000KW/1250KVA
- Generator standby power: 1100KW/1375KVA
- Rated frequency: 50HZ
- Rated voltage: 400/230V (Can be adjusted)
- Rated speed: 1500RPM
- Fuel consumption: 274L/h
- Open type size: 4188x2180x2500 MM
- Silent type size: 9000x2438x2800 MM
- Open type weight: 8200 Kg
- Silent type weight: 11100 Kg

**ENGINE DATA:**
- Engine model: QSKTA38-G5
- Engine brand: CUMMINS
- Engine rated power: 1063KW
- Engine standby power: 1224KW
- Engine speed: 1500RPM
- Bore & Stroke: 159 × 159 mm
- Displacement: 37.7 L
- Compression ratio: 13.9:1
- Type: V-type,12 cylinders,4 stroke
- Aspiration: Turbocharged, Aftercooled
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**
- Alternator model: LVI 634G
- Alternator brand: STAMFORD
- Rated power: 1000KW
- Frequency: 50HZ
- Speed: 1500RPM
- Voltage: 400/230V (Can be adjusted)
- Power factor: 0.8 (lagging)

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Phase and wire: 3 phase 4 wires
Excite type: Single Bearing, Close coupled. Brushless, self-exciting, AVR
Protection class: IP23
Insulation class: H

**CONTROL SYSTEM DATA:**
Deepsea-DSE6020 (Standard)

![Control Module Display](image.png)

**The control module display**
- Generator voltage
- Generator frequency
- Battery voltage
- Engine speed
- Load current
- Engine run-time Hours
- Engine oil pressure (Panel Meter)
- Engine coolant temperature (Panel Meter)

**Protecting Functions**
- Over frequency / under frequency
- Over voltage / under voltage
- Over current
- Over speed / under speed
- Emergency stop
- Low oil pressure
- High water temperature
- Failure to start/Failure to stop
- Battery charger failure
- Comprehensive shutdown or warning on fault condition

**SCOPE OF SUPPLY:**
- Diesel generator (Open type): 1 Set
- Soundproof canopy: 1 Set
- Control system: 1 Set
- CHINT breaker: 1 Pcs
- Daily use base fuel tank for 8 working hours: 1 Pcs
- Muffler: 1 Pcs
- Maintenance-free battery DC24V and connection wires: 1 Set
- Flange: 1 Pcs
- Bellows: 1 Pcs
- Standard maintenance tool: 1 Set

**OPTION:**
- ABB MCCB circuit breaker
- Residential exhaust muffler
- 12 hours/24 hours base fuel tank
- Dual wall base fuel tank
- External fuel tank
- Droop Kit for synchronizing work
- Anti Condensation Heater
- Paralleling System
- Super silent canopy
- 50°C radiator
- Water heater
- Oil heater
- Oil-water separator
- PMG excitation
- Remote Control panel
- ATS control cabinet

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**DOCUMENTATION:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine documents</td>
<td>1 Set</td>
</tr>
<tr>
<td>Alternator documents</td>
<td>1 Set</td>
</tr>
<tr>
<td>Control system documents</td>
<td>1 Set</td>
</tr>
<tr>
<td>Generator set operation&amp;manual</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Generator set testing report</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Electric drawing</td>
<td>1 Set</td>
</tr>
</tbody>
</table>

**FACTORY ACCEPTANCE TEST (FAT):**

The safety function test for the generator set will be carried out in Tontek Power Limited factory in China. All consumables items during the test will be provided.

**WARRANTY:**

18 months or 1500 Working Hours from the shipment date, whichever comes first.

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**Contact Us**

TONTEK POWER LIMITED.
Add:Hailing Industrial Zone, Taizhou City, Jiangsu P.R.C.
Tel: +86 523 81556166  
Fax: +86 523 81558066  
E-mail : info@tontekpower.com  
Website : www.tontekpower.com

TONTEK POWER LIMITED reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice.  
Please contact the salesman before ordering.

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