Technical Specification for Cummins Industrial Type Generator Set

Rated Power 1000KW/1250KVA TPD1250C5-2

**DIESEL GENERATOR DATA:**

- Generator set model: TPD1250C5-2
- 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: 254L/h
- Open type size: 4618x1850x2500 MM
- Silent type size: 9000x2438x2800 MM
- Open type weight: 8800 Kg
- Silent type weight: 11100 Kg

**ENGINE DATA:**

- Engine model: KTA50-G3
- Engine brand: CUMMINS
- Engine rated power: 1097KW
- Engine standby power: 1227KW
- Engine speed: 1500RPM
- Bore & Stroke: 159 × 159 mm
- Displacement: 50.3 L
- Compression ratio: 13.9:1
- Type: V-type,16 cylinders,4 stroke
- Aspiration: Turbocharged, Aftercooled
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**

- Alternator model: LVI 634G, MX-1030-4, TP-1000-4
- Alternator brand: STAMFORD, MARATHON, TONTEK
- Rated power: 1000KW, 1030KW, 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)

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**

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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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