Technical Specification for Cummins Industrial Type Generator Set

Rated Power 1200KW/1500KVA TPD1500C5

**DIESEL GENERATOR DATA:**
- Generator set model: TPD1375C5
- Generator rated power: 1200KW/1500KVA
- Generator standby power: 1320KW/1650KVA
- Rated frequency: 50HZ
- Rated voltage: 400/230V (Can be adjusted)
- Rated speed: 1500RPM
- Fuel consumption: 308.8L/h
- Open type size: 5138x2120x2600 MM
- Silent type size: 9000x2438x2800 MM
- Open type weight: 9800 Kg
- Silent type weight: 11100 Kg

**ENGINE DATA:**
- Engine model: KTA50-GS8
- Engine brand: CUMMINS
- Engine rated power: 1287KW
- Engine standby power: 1429KW
- Engine speed: 1500RPM
- Bore & Stroke: 159 × 159 mm
- Displacement: 50.3 L
- Compression ratio: 14.9:1
- Type: V-type, 16 cylinders, 4 stroke
- Aspiration: Turbocharged, Aftercooled
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**
- Alternator model: PI 734C, MX-1240-4, TP-1240-4
- Alternator brand: STAMFORD, MARATHON, TONTEK
- Rated power: 1240KW, 1240KW, 1240KW
- 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]

**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:**
<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel generator (Open type)</td>
<td>1 Set</td>
</tr>
<tr>
<td>Soundproof canopy</td>
<td>1 Set</td>
</tr>
<tr>
<td>Control system</td>
<td>1 Set</td>
</tr>
<tr>
<td>CHINT breaker</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Daily use base fuel tank for 8 working hours</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Muffler</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Maintenance-free battery DC24V and connection wires</td>
<td>1 Set</td>
</tr>
<tr>
<td>Flange</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Bellows</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Standard maintenance tool</td>
<td>1 Set</td>
</tr>
</tbody>
</table>

**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>Qty</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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