Technical Specification for Cummins Industrial Type Generator Set

Rated Power 250KW/313KVA TPD313C6

**DIESEL GENERATOR DATA:**
- Generator set model: TPD313C6
- Generator rated power: 250KW/313KVA
- Generator standby power: 280KW/350KVA
- Rated frequency: 60HZ
- Rated voltage: 440V (Can be adjusted)
- Rated speed: 1800RPM
- Fuel consumption: 71L/h
- Open type size: 2930x1010x1710 MM
- Silent type size: 3500x1200x1800 MM
- Open type weight: 2800 Kg
- Silent type weight: 2980 Kg

**ENGINE DATA:**
- Engine model: NTA855-G1
- Engine brand: CUMMINS
- Engine rated power: 287KW/358.75KVA
- Engine standby power: 317KW/396.25KVA
- Engine speed: 1800RPM
- Bore & Stroke: 140 × 152 mm
- Displacement: 14 L
- Compression ratio: 14.5:1
- Type: In line, 6 cylinders, 4 stroke
- Aspiration: Turbocharged, Aftercooled
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**
- Alternator model: HCI 444D, MP-217-4A, TP-280
- Alternator brand: STAMFORD, MARATHON, TONTEK
- Rated power: 288KW/360KVA, 278KW/348.75KVA, 280KW/350KVA
- Frequency: 60HZ
- Speed: 1800RPM
- Voltage: 440V (Can be adjusted)
- Power factor: 0.8 (lagging)

*Green Power, Power with our heart!*
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)

!![Image]

**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℃ radiator  
- Water heater  
- Oil heater  
- Oil-water separator  
- PMG excitation  
- Remote Control panel  
- ATS control cabinet

*Green Power, Power with our heart!*
DOCUMENTATION:

- Engine documents: 1 Set
- Alternator documents: 1 Set
- Control system documents: 1 Set
- Generator set operation & manual: 1 Pcs
- Generator set testing report: 1 Pcs
- Electric drawing: 1 Set

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.

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.

-Green Power, Power with our heart!-