Technical Specification for Cummins Industrial Type Generator Set

Rated Power 100KW/125KVA TPD125C6

**DIESEL GENERATOR DATA:**
- Generator set model: TPD125C6
- Generator rated power: 100KW/125KVA
- Generator standby power: 110KW/138KVA
- Rated frequency: 60HZ
- Rated voltage: 440V (Can be adjusted)
- Rated speed: 1800RPM
- Fuel consumption: 29L/h
- Open type size: 2145x785x1550 MM
- Silent type size: 3250x1100x1550 MM
- Open type weight: 1250 Kg
- Silent type weight: 2180 Kg

**ENGINE DATA:**
- Engine model: 6BTA5.9-G2
- Engine brand: CUMMINS
- Engine rated power: 120KW/225KVA
- Engine standby power: 132KW/247.5KVA
- Engine speed: 1800RPM
- Bore & Stroke: 102 × 120 mm
- Displacement: 5.9 L
- Compression ratio: 17.3:1
- Fuel consumption at 100% load: 211 g/kW.h
- Type: In line, 6 cylinders, 4 stroke
- Aspiration: Turbocharged & Aftercooled
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**
- Alternator model: UCI 274D
- Alternator brand: STAMFORD
- Rated power: 110KW/137.5KVA
- Frequency: 60HZ
- Speed: 1800RPM
- Voltage: 440V (Can be adjusted)

-Green Power, Power with our heart!
Green Power, Power with our heart!

Power factor: 0.8 (lagging)
Phase and wire: 3 phase 4 wires
Excite type: Single Bearing, Close coupled. Brushless, self-exiting, 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

• Super silent canopy
• 50°C radiator
• Water heater
• Oil heater
• Oil-water separator
• PMG excitation
• Remote Control panel

-Green Power, Power with our heart!-
*Paralleling System

**ATS control cabinet**

**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.

---

**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!-