Technical Specification for Cummins Industrial Type Generator Set

Rated Power 1500KW/1875KVA TPD1875C5

**DIESEL GENERATOR DATA:**

- Generator set model: TPD1875C5
- Generator rated power: 1500KW/1875KVA
- Generator standby power: 1650KW/2063KVA
- Rated frequency: 50HZ
- Rated voltage: 400/230V (Can be adjusted)
- Rated speed: 1500RPM
- Fuel consumption: 371L/h
- Open type size: 6175x2287x2537 MM
- Silent type size: 12192x2438x2896 MM
- Open type weight: 15152 Kg
- Silent type weight: 24652 Kg

**ENGINE DATA:**

- Engine model: QSK60G3
- Engine brand: CUMMINS
- Engine rated power: 1287KW
- Engine standby power: 1429KW
- Engine speed: 1500RPM
- Bore & Stroke: 159 × 159 mm
- Displacement: 60.2 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 734E
- Alternator brand: STAMFORD
- Rated power: 1520KW
- 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)

**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

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