# Technical Specification for Cummins Industrial Type Generator Set

**Rated Power 900KW/1125KVA TPD1125C6**

### DIESEL GENERATOR DATA:
- Generator set model: TPD1125C6
- Generator rated power: 900KW/1125KVA
- Generator standby power: 1000KW/1250KVA
- Rated frequency: 60HZ
- Rated voltage: 440V (Can be adjusted)
- Rated speed: 1800RPM
- Fuel consumption: 242L/h
- Open type size: 4152x1800x2300 MM
- Silent type size: 9000x2438x2800 MM
- Open type weight: 7200 Kg
- Silent type weight: 9400 Kg

### ENGINE DATA:
- Engine model: KTA38-G4
- Engine brand: CUMMINS
- Engine rated power: 1007KW/1258.75KVA
- Engine standby power: 1112KW/1390KVA
- Engine speed: 1800RPM
- Bore & Stroke: 159 × 159 mm
- Displacement: 38 L
- Compression ratio: 13.9:1
- Type: V-type, 12 cylinders, 4 stroke
- Aspiration: Turbocharged, Aftercooled
- Governor: Electronic
- Cooling method: Water cooled by radiator

### ALTERNATOR DATA:
- Alternator model: LVI 634E
- Alternator brand: STAMFORD
- Rated power: 916KW/1145KVA
- Frequency: 60HZ
- Speed: 1800RPM
- Voltage: 440V (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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