Technical Specification for Cummins Industrial Type Generator Set

Standby Power 1100KW/1375KVA TPD1250C6

**DIESEL GENERATOR DATA:**

- Generator set model: TPD1250C6
- Generator rated power: N/A
- Generator standby power: 1100KW/1375KVA
- Rated frequency: 60HZ
- Rated voltage: 440V (Can be adjusted)
- Rated speed: 1800RPM
- Fuel consumption: 261L/h
- Open type size: 4128x2080x2300 MM
- Silent type size: 9000x2438x2800 MM
- Open type weight: 8000 Kg
- Silent type weight: 9200 Kg

**ENGINE DATA:**

- Engine model: KTA38-G9
- Engine brand: CUMMINS
- Engine rated power: N/A
- Engine standby power: 1220KW/1525KVA
- Engine speed: 1800RPM
- Bore & Stroke: 159 × 159 mm
- Displacement: 37.8 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 634F
- Alternator brand: STAMFORD
- Rated power: 1019KW/1274KVA
- 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-exiting, 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:**
- 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>Document Type</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>
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<tr>
<td>Generator set operation&amp;manual</td>
<td>1 Pcs</td>
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<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

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