Technical Specification for Cummins Industrial Type Generator Set

Rated Power 360KW/450KVA TPD463C5-1

**DIESEL GENERATOR DATA:**

Generator set model: TPD463C5-1  
Generator rated power: 370KW/463KVA  
Generator standby power: 407KW/509KVA  
Rated frequency: 50HZ  
Rated voltage: 400/230V (Can be adjusted)  
Rated speed: 1500RPM  
Fuel consumption: 82L/h  
Open type size: 3066x1360x1855 MM  
Silent type size: 4400x1350x2300 MM  
Open type weight: 3200 Kg  
Silent type weight: 4620 Kg

**ENGINE DATA:**

Engine model: 6ZTAA13-G4  
Engine brand: CUMMINS  
Engine rated power: 400KW  
Engine standby power: 415KW  
Engine speed: 1500RPM  
Bore & Stroke: 130 × 163 mm  
Displacement: 13 L  
Compression ratio: 17:1  
Fuel consumption at 100% load: 192 g/kW.h  
Type: In line, 6 cylinders, 4 stroke  
Aspiration: Turbocharged Charge Air cooled  
Governor: Electronic  
Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**

Alternator model: HCI 544C  
Alternator brand: STAMFORD, MARATHON, TONTEK  
Rated power: 400KW  
Frequency: 50HZ  
Speed: 1500RPM  
Voltage: 400/230V (Can be adjusted)

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Power factor : 0.8 (lagging)
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

*ABB MCCB circuit breaker
*Super silent canopy
*Residential exhaust muffler
*50℃ radiator
*12 hours/24 hours base fuel tank
*Water heater
*Dual wall base fuel tank
*Oil heater
*External fuel tank
*Oil-water separator
*Droop Kit for synchronizing work
*PMG excitation
*Anti Condensation Heater
*Remote Control panel

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**Paralleling System**  
**ATS control cabinet**

### DOCUMENTATION:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
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<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>
</tr>
<tr>
<td>Generator set testing report</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Electric drawing</td>
<td>1 Set</td>
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### 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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Please contact the salesman before ordering.