# Technical Specification for Cummins Industrial Type Generator Set

## Rated Power 210KW/263KVA TPD388C5

### DIESEL GENERATOR DATA:

- **Generator set model**: TPD388C5  
- **Generator rated power**: 210KW/263KVA  
- **Generator standby power**: 231KW/289KVA  
- **Rated frequency**: 50HZ  
- **Rated voltage**: 400/230V (Can be adjusted)  
- **Rated speed**: 1500RPM  
- **Fuel consumption**: 53L/h  
- **Open type size**: 2600x1100x1550 MM  
- **Silent type size**: 3500x1200x1800 MM  
- **Open type weight**: 1950 Kg  
- **Silent type weight**: 2980 Kg

### ENGINE DATA:

- **Engine model**: 6LTA8.9-G3  
- **Engine brand**: CUMMINS  
- **Engine rated power**: 230KW  
- **Engine standby power**: 250KW  
- **Engine speed**: 1500RPM  
- **Bore & Stroke**: 114 × 145 mm  
- **Displacement**: 8.9 L  
- **Compression ratio**: 16.6:1  
- **Fuel consumption at 100% load**: 195 g/kW.h  
- **Type**: In line, 6 cylinders, 4 stroke  
- **Aspiration**: Turbocharged and Charge Air Cooled  
- **Governor**: Electronic  
- **Cooling method**: Water cooled by radiator

### ALTERNATOR DATA:

- **Alternator model**: HCI 444D MP-217-4 TP-240-4  
- **Alternator brand**: STAMFORD MARATHON TONTEK  
- **Rated power**: 240KW  
- **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
- Super silent canopy
- *50℃ radiator
- Water heater
- Oil heater
- Oil-water separator
- PMG excitation
- Remote Control panel

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*Paralleling System

*ATS control cabinet

**DOCUMENTATION:**
Engine documents  1 Set
Alternator documents  1 Set
Control system documents  1 Set
Generator set operation & manual  1 Pcs
Generator set testing report  1 Pcs
Electric drawing  1 Set

**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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