Technical Specification for Cummins Industrial Type Generator Set

Rated Power 50KW/63KVA TPD63C6

**DIESEL GENERATOR DATA:**

- Generator set model: TPD63C6
- Generator rated power: 50KW/63KVA
- Generator standby power: 55KW/69KVA
- Rated frequency: 60HZ
- Rated voltage: 440V (Can be adjusted)
- Rated speed: 1800RPM
- Fuel consumption: 15.5L/h
- Open type size: 1700x730x1285 MM
- Silent type size: 2400x1000x1560 MM
- Open type weight: 770 Kg
- Silent type weight: 1395 Kg

**ENGINE DATA:**

- Engine model: 4BTA3.9-G2
- Engine brand: CUMMINS
- Engine rated power: 60KW/75KVA
- Engine standby power: 66KW/82.5KVA
- Engine speed: 1800RPM
- Bore & Stroke: 102 × 120 mm
- Displacement: 3.9 L
- Compression ratio: 17.3:1
- Fuel consumption at 100% load: 213 g/kW.h
- Type: In line, 4 cylinders, 4 stroke
- Aspiration: Turbocharger & Aftercooler
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**

- Alternator model: UCI 224D MP-48-4 TP-50
- Alternator brand: STAMFORD MARATHON TONTEK
- Rated power: 50KW/63KVA 58KW/63KVA 50KW/63KVA
- Frequency: 60HZ
- Speed: 1800RPM
- Voltage: 440V (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°C radiator
- Water heater
- Oil heater
- Oil-water separator
- PMG excitation
- Remote Control panel

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**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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