Technical Specification for Cummins Industrial Type Generator Set

Rated Power 800KW/1000KVA TPD1000C5

**DIESEL GENERATOR DATA:**

- Generator set model: TPD1000C5
- Generator rated power: 800KW/1000KVA
- Generator standby power: 880KW/1100KVA
- Rated frequency: 50HZ
- Rated voltage: 400/230V (Can be adjusted)
- Rated speed: 1500RPM
- Fuel consumption: 209L/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-G5
- Engine brand: CUMMINS
- Engine rated power: 880KW
- Engine standby power: 970KW
- Engine speed: 1500RPM
- 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, MX-850-4, TP-800-4
- Alternator brand: STAMFORD, MARATHON, TONTEK
- Rated power: 728KW, 750KW, 728KW
- Frequency: 50HZ
- Speed: 1500RPM
- Voltage: 400/230V (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)

![Control Module Display](image)

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:
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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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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