Technical Specification for Cummins Industrial Type Generator Set

Rated Power 570KW/713KVA TPD713C5

**DIESEL GENERATOR DATA:**
- **Generator set model:** TPD713C5
- **Generator rated power:** 570KW/713KVA
- **Generator standby power:** 630KW/788KVA
- **Rated frequency:** 50HZ
- **Rated voltage:** 400/230V (Can be adjusted)
- **Rated speed:** 1500RPM
- **Fuel consumption:** 160.4L/h
- **Open type size:** 4052x1800x2300 MM
- **Silent type size:** 6058x2438x2591 MM
- **Open type weight:** 6500 Kg
- **Silent type weight:** 6720 Kg

**ENGINE DATA:**
- **Engine model:** KTA38-GH
- **Engine brand:** CUMMINS
- **Engine rated power:** 658KW
- **Engine standby power:** 731KW
- **Engine speed:** 1500RPM
- **Bore & Stroke:** 159 × 159 mm
- **Displacement:** 38 L
- **Type:** V-type, 12 cylinders, 4 stroke
- **Aspiration:** Turbocharged
- **Governor:** Electronic
- **Cooling method:** Water cooled by radiator

**ALTERNATOR DATA:**
- **Alternator model:** LVI 634B
- **Alternator brand:** STAMFORD
- **Rated power:** 600KW
- **Frequency:** 50HZ
- **Speed:** 1500RPM
- **Voltage:** 400/230V (Can be adjusted)
- **Power factor:** 0.8 (lagging)
- **Phase and wire:** 3 phase 4 wires

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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
*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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**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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