Technical Specification for Cummins Industrial Type Generator Set

Rated Power 300KW/375KVA TPD375C5-2

**DIESEL GENERATOR DATA:**

Generator set model: TPD375C5-2  
Generator rated power: 300KW/375KVA  
Generator standby power: 330KW/413KVA  
Rated frequency: 50HZ  
Rated voltage: 400/230V (Can be adjusted)  
Rated speed: 1500RPM  
Fuel consumption: 86L/h  
Open type size: 3006x1120x1710 MM  
Silent type size: 4400x1350x2300 MM  
Open type weight: 3150 Kg  
Silent type weight: 4680 Kg

**ENGINE DATA:**

Engine model: NTAA855-G7  
Engine brand: CUMMINS  
Engine rated power: 343KW  
Engine standby power: 377KW  
Engine speed: 1500RPM  
Bore & Stroke: 140 × 152 mm  
Displacement: 13 L  
Compression ratio: 14.0:1  
Type: In line,6 cylinders,4 stroke  
Aspiration: Turbocharged, Air-Air Aftercooled  
Governor: Electronic  
Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**

Alternator model: HCI 444FS  
Alternator brand: STAMFORD, MARATHON, TONENTEK  
Rated power: 304KW  
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)

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:**
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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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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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