Technical Specification for Cummins Industrial Type Generator Set

Rated Power 300KW/375KVA TPD375C5-3

**DIESEL GENERATOR DATA:**

- Generator set model : TPD375C5-3
- 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 : 83L/h
- Open type size : 3066x1245x1990 MM
- Silent type size : 4400x1350x2300 MM
- Open type weight : 3550 Kg
- Silent type weight : 4680 Kg

**ENGINE DATA:**

- Engine model: : KTA19-G2
- Engine brand : CUMMINS
- Engine rated power : 336KW
- Engine standby power : 369KW
- Engine speed : 1500RPM
- Bore & Stroke : 159 × 159 mm
- Displacement : 19 L
- Compression ratio : 14.5:1
- Type : In line,6 cylinders,4 stroke
- Aspiration : Turbocharged, Aftercooled
- Governor : Electronic
- Cooling method : Water cooled by radiator

**ALTERNATOR DATA:**

- Alternator model : HCI 444FS MP-300-4A TP-300-4
- Alternator brand : STAMFORD MARATHON TONTEK
- Rated power : 304KW 300KW 300KW
- 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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<th>Documents</th>
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<td>Engine documents</td>
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<td>Alternator documents</td>
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<td>Control system documents</td>
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<td>Generator set operation &amp; manual</td>
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<td>Generator set testing report</td>
<td>1 Pcs</td>
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<td>Electric drawing</td>
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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.

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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