Technical Specification for Cummins Industrial Type Generator Set

Rated Power 30KW/38KVA TPD38C5-2

**DIESEL GENERATOR DATA:**
- Generator set model: TPD38C5-2
- Generator rated power: 30KW/38KVA
- Generator standby power: 33KW/41KVA
- Rated frequency: 50HZ
- Rated voltage: 400/230V (Can be adjusted)
- Rated speed: 1500RPM
- Fuel consumption: 9.3L/h
- Open type size: 1680x730x1285 MM
- Silent type size: 2400x1000x1560 MM
- Open type weight: 700 Kg
- Silent type weight: 1200 Kg

**ENGINE DATA:**
- Engine model: 4BT3.9-G2
- Engine brand: CUMMINS
- Engine rated power: 36KW/45KVA
- Engine standby power: 40KW/50KVA
- Engine speed: 1500RPM
- Bore & Stroke: 102 × 120 mm
- Displacement: 3.9 L
- Compression ratio: 18.0:1
- Fuel consumption at 100% load: 214 g/kW.h
- Type: In line, 4 cylinders, 4 stroke
- Aspiration: Turbocharged
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**
- Alternator model: PI 144J
- Alternator brand: STAMFORD
- Rated power: 32KW
- Frequency: 50HZ
- Speed: 1500RPM
- Voltage: 400/230V (Can be adjusted)

- Green Power, Power with our heart!
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)

![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
- Super silent canopy
- 50°C radiator
- Water heater
- Oil heater
- Oil-water separator
- PMG excitation
- Remote Control panel

*Green Power, Power with our heart!*
*Paralleling System  *ATS control cabinet

**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.

Contact Us
TONTEK POWER LIMITED.
Add: Hailing Industrial Zone, Taizhou City, Jiangsu P.R.C.
Tel: +86 523 81556166
Fax: +86 523 81558066
E-mail: info@tontekpower.com
Website: www.tontekpower.com

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.

-Green Power, Power with our heart!-