Technical Specification for Cummins Industrial Type Generator Set

Standby Power 550KW/688KVA TPD625C5-1

**DIESEL GENERATOR DATA:**

- Generator set model: TPD625C5-1
- Generator standby power: 550KW/688KVA
- Rated frequency: 50HZ
- Rated voltage: 400/230V (Can be adjusted)
- Rated speed: 1500RPM
- Fuel consumption: 155L/h
- Open type size: 3462x1550x2200 MM
- Silent type size: 4700x1800x2500 MM
- Open type weight: 4500 Kg
- Silent type weight: 5920 Kg

**ENGINE DATA:**

- Engine model: KTAA19-G6A
- Engine brand: CUMMINS
- Engine standby power: 610KW
- Engine speed: 1500RPM
- Bore & Stroke: 159 × 159 mm
- Displacement: 19 L
- Compression ratio: 13.0:1
- 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 544FS MP-500-4 TP-500-4
- Alternator brand: STAMFORD MARATHON TONTEK
- Rated power: 500KW 500KW 500KW
- Frequency: 50HZ
- Speed: 1500RPM
- Voltage: 400/230V (Can be adjusted)
- Power factor: 0.8 (lagging)
- Phase and wire: 3 phase 4 wires
- Excite type: Single Bearing, Close coupled. Brushless, self-exciting, AVR

-Green Power, Power with our heart!-
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

**DOCUMENTATION:**

*Green Power, Power with our heart!*
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! -