Technical Specification for Cummins Industrial Type Generator Set

Rated Power 640KW/800KVA TPD800C5

DIESEL GENERATOR DATA:
Generator set model : TPD800C5
Generator rated power : 640KW/800KVA
Generator standby power : 710KW/888KVA
Rated frequency : 50HZ
Rated voltage : 400/230V (Can be adjusted)
Rated speed : 1500RPM
Fuel consumption : 167.3L/h
Open type size : 4052x1800x2300 MM
Silent type size : 9000x2438x2800 MM
Open type weight : 6500 Kg
Silent type weight : 6720 Kg

ENGINE DATA:
Engine model: : KTA38-G2B
Engine brand : CUMMINS
Engine rated power : 711KW
Engine standby power : 789KW
Engine speed : 1500RPM
Bore & Stroke : 159 × 159 mm
Displacement : 38 L
Compression ratio : 15.5:1
Type : V-type,12 cylinders,4 stroke
Aspiration : Turbocharged Charge Air cooled
Governor : Electronic
Cooling method : Water cooled by radiator

ALTERNATOR DATA:
Alternator model : LVI 634C  MX-640-4  TP-640-4
Alternator brand : STAMFORD  MARATHON  TONTEK
Rated power : 640KW  640KW  640KW
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)

<image of control system module>

**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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