Technical Specification for Cummins Industrial Type Generator Set

Rated Power 1825KW/2280KVA TPD2280C6

**DIESEL GENERATOR DATA:**
- Generator set model: TPD2280C6
- Generator rated power: 1825KW/2280KVA
- Generator standby power: 2000KW/2500KVA
- Rated frequency: 60HZ
- Rated voltage: 440V (Can be adjusted)
- Rated speed: 1800RPM
- Fuel consumption: 450L/h
- Open type size: 6175x2287x2537 MM
- Silent type size: 12192x2438x2896 MM
- Open type weight: 15366 Kg
- Silent type weight: 24866 Kg

**ENGINE DATA:**
- Engine model: QSK60-G4
- Engine brand: CUMMINS
- Engine rated power: 1984KW/2480KVA
- Engine standby power: 2182.4KW/2728KVA
- Engine speed: 1800RPM
- Bore & Stroke: 159 × 190 mm
- Compression ratio: 14.5:1
- Type: V-type, 16 cylinders, 4 stroke
- Aspiration: Turbocharged, Aftercooled
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**
- Alternator model: PI 734E, MX-1600-4, TP-1830
- Alternator brand: STAMFORD, MARATHON, TONTEK
- Rated power: 1840KW/2300KVA, 1850KW/2313KVA, 1830KW/2288KVA
- Frequency: 60HZ
- Speed: 1800RPM
- Voltage: 440V (Can be adjusted)
- Power factor: 0.8 (lagging)
- Phase and wire: 3 phase 4 wires

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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℃ 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

**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.

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