

**Technical Specification for Cummins Industrial Type Generator Set****Rated Power 120KW/150KVA TPD150C6****DIESEL GENERATOR DATA:**

|                         |                          |
|-------------------------|--------------------------|
| Generator set model     | : TPD150C6               |
| Generator rated power   | : 120KW/150KVA           |
| Generator standby power | : 132KW/165KVA           |
| Rated frequency         | : 60HZ                   |
| Rated voltage           | : 440V (Can be adjusted) |
| Rated speed             | : 1800RPM                |
| Fuel consumption        | : 31L/h                  |
| Open type size          | : 2215x785x1550 MM       |
| Silent type size        | : 3250x1100x1550 MM      |
| Open type weight        | : 1250 Kg                |
| Silent type weight      | : 2180 Kg                |

**ENGINE DATA:**

|                               |                                  |
|-------------------------------|----------------------------------|
| Engine model:                 | : 6BTAA5.9-G2                    |
| Engine brand                  | : CUMMINS                        |
| Engine rated power            | : 130KW/162.5KVA                 |
| Engine standby power          | : 143KW/178.75KVA                |
| Engine speed                  | : 1800RPM                        |
| Bore & Stroke                 | : 102 × 120 mm                   |
| Displacement                  | : 5.9 L                          |
| Compression ratio             | : 17.3:1                         |
| Fuel consumption at 100% load | : 203 g/kW.h                     |
| Type                          | : In line, 6 cylinders, 4 stroke |
| Aspiration                    | : Turbocharged & Aftercooled     |
| Governor                      | : Electronic                     |
| Cooling method                | : Water cooled by radiator       |

**ALTERNATOR DATA:**

|                  |                          |                |                |
|------------------|--------------------------|----------------|----------------|
| Alternator model | : UCI 274E               | MP-104-4       | TP-134         |
| Alternator brand | : STAMFORD               | MARATHON       | TONTEK         |
| Rated power      | : 134KW/167.5KVA         | 130KW/162.5KVA | 134KW/162.5KVA |
| Frequency        | : 60HZ                   |                |                |
| Speed            | : 1800RPM                |                |                |
| Voltage          | : 440V (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 |
| 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         | *Super silent canopy  |
| *Residential exhaust muffler      | *50°C radiator        |
| *12 hours/24 hours base fuel tank | *Water heater         |
| *Dual wall base fuel tank         | *Oil heater           |
| *External fuel tank               | *Oil-water separator  |
| *Droop Kit for synchronizing work | *PMG excitation       |
| *Anti Condensation Heater         | *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](mailto:info@tontekpower.com)

Website : [www.tontekpower.com](http://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!-***