Technical Specification for Cummins Industrial Type Generator Set

Rated Power 728KW/910KVA TPD910C5

**DIESEL GENERATOR DATA:**
- Generator set model: TPD910C5
- Generator rated power: 728KW/910KVA
- Generator standby power: 800KW/1000KVA
- Rated frequency: 50HZ
- Rated voltage: 400/230V (Can be adjusted)
- Rated speed: 1500RPM
- Fuel consumption: 191L/h
- Open type size: 4152x1800x2300 MM
- Silent type size: 9000x2438x2800 MM
- Open type weight: 7000 Kg
- Silent type weight: 9400 Kg

**ENGINE DATA:**
- Engine model: KTA38-G2A
- Engine brand: CUMMINS
- Engine rated power: 813KW
- Engine standby power: 895KW
- Engine speed: 1500RPM
- Bore & Stroke: 159 × 159 mm
- Displacement: 38 L
- Compression ratio: 14.5:1
- Type: V-type, 12 cylinders, 4 stroke
- Aspiration: Turbocharged, Aftercooled
- Governor: Electronic
- Cooling method: Water cooled by radiator

**ALTERNATOR DATA:**
- Alternator model: LVI 634D MX-750-4 TP-728-4
- Alternator brand: STAMFORD MARATHON TONTEK
- Rated power: 728KW 750KW 728KW
- 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)

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:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine documents</td>
<td>1 Set</td>
</tr>
<tr>
<td>Alternator documents</td>
<td>1 Set</td>
</tr>
<tr>
<td>Control system documents</td>
<td>1 Set</td>
</tr>
<tr>
<td>Generator set operation &amp; manual</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Generator set testing report</td>
<td>1 Pcs</td>
</tr>
<tr>
<td>Electric drawing</td>
<td>1 Set</td>
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</tbody>
</table>

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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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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