



**TONTEKPOWER**  
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# TPG40CBI

## TECHNICAL DATA

GAS GENERATING SET

**TONTEK POWER LIMITED**  
**GREEN POWER SUPPLIER**



ISO9001:2008  
TONTEK POWER LIMITED



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Specifications may change without Notice

## TPG40CBI



**40KVA/32KW  
POWERED BY CUMMINS**

## GAS Generating Set

| MODEL            |               | TPG40CBI |    |
|------------------|---------------|----------|----|
| Power<br>Pf. 0.8 | Standby power | kVA      | 44 |
|                  |               | kW       | 35 |
|                  | Prime power   | kVA      | 40 |
|                  |               | kW       | 32 |

Standby power: Continuous running at variable load for duration for an emergency. No overload is permitted on these ratings. In accordance with ISO 3046.

Prime power: Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hours period. In accordance with ISO 8528, ISO 3046

### Features:

- Excitation system: self-excited (AREP and PMG are optional)
- ATS (automatic transfer switch) receptacle (optional)
- Lockable battery isolator switch
- Stainless galvanized zinc plates with strong corrosion resistance
- Vibration isolators between the engine/alternator and base frame
- Integrated wiring design
- Equipped with an industrial muffler
- Engine oil pump
- 50°C radiator
- Top lifting and steel base frame with forklift holes
- Complete protection functions and safety labels
- IP54 (soundproof sets), IP56 (control system)
- Water jacket preheater, oil heater and double air cleaner, etc. are available.

## Ratings and Performance Data

|                           |                |
|---------------------------|----------------|
| Cummins Engine Model      | 4BTA3.9-BI     |
| Stamford Alternator Model | PI144J         |
| Frequency                 | 50/60Hz        |
| Rated speed               | 1500 /1800 RPM |
| Phase                     | 3              |
| Rated voltage             | 400/230 V      |

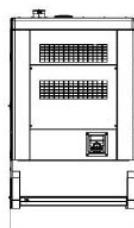
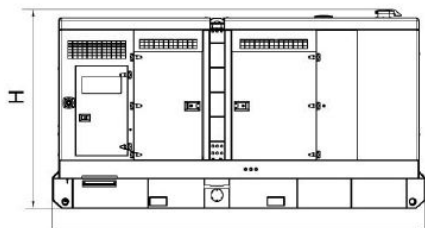
**Remark:** Also available in the following voltages 415/240V-380/220V-220/127V-200/115V;

## Dimensions and Weights

| Generating Set Type | Length (L)<br>mm | Width (W)<br>mm | Height (H)<br>mm | Weight<br>kg |
|---------------------|------------------|-----------------|------------------|--------------|
| Open Type           | 1800             | 800             | 1200             | 800          |
| Silent Type         | 2400             | 1000            | 1560             | 1300         |



Open type



Silent type

## GAS Engine Data

### CUMMINS BRAND

|                                    |                          |
|------------------------------------|--------------------------|
| Model                              | 4BTA3.9-BI               |
| Prime Power                        | 43 kW/53.75 kVA          |
| Standby Power                      | 47.3 kW/59.13 kVA        |
| Governor                           | Electrical               |
| Number of Cylinder and Arrangement | 4 – In line              |
| Engine Speed                       | 1500/1800 rpm            |
| Bore and Stroke                    | 102 x 120 mm             |
| Aspiration                         | Turbocharged Intercooled |
| Reference Gas Consumption (m³/h)   | 19                       |
| Reference Air Consumption (m³/h)   | 190                      |
| Coolant Heat (kw)                  | 32.3                     |
| Coolant Flux (kg/s)                | 1.3                      |
| Fan-air Flux (m³/h)                | 2.2                      |
| Exhaust Flux (m³/h)                | 266                      |

## AC Alternator Data

### STAMFORD BRAND

|                          |                                           |
|--------------------------|-------------------------------------------|
| Alternator model         | PI144J                                    |
| Exciter type             | Brushless                                 |
| Frequency                | 50/60HZ                                   |
| Rated Speed              | 1500 /1800 rpm                            |
| Design                   | Brushless single bearing, revolving field |
| Prime Power              | 32 kW                                     |
| Standby Power            | 35.2 kW                                   |
| Phase                    | 3                                         |
| Rated Voltage            | 400/230 V                                 |
| Power Factor             | 0.8                                       |
| Protection Grade         | IP23                                      |
| Insulation Grade         | H                                         |
| Voltage adjust range     | ≥5.0%                                     |
| Voltage regulation NL-FL | ≤±1.0%                                    |

## Standard Supply Scope



**Muffler**



**Maintenance free battery**



**Bellow**



**Elbow and flange**

## Contact Us

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