



TONTEKPOWER
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TPG100CBI

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

TPG100CBI



**100KVA/80KW
POWERED BY CUMMINS**

GAS Generating Set

MODEL		TPG100CBI	
Power Pf. 0.8	Standby power	kVA	110
		kW	88
	Prime power	kVA	100
		kW	80

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	6BTAA5.9-BI
Stamford Alternator Model	UCI274C
Frequency	50/60Hz
Rated speed	1500 /1800 RPM
Phase	3
Rated voltage	400/230 V

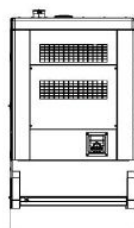
Remark: Also available in the following voltages 415/240V-380/220V-220/127V-200/115V;

Dimensions and Weights

Generating Set Type	Length (L) mm	Width (W) mm	Height (H) mm	Weight kg
Open Type	2200	820	1400	1500
Silent Type	3000	1240	1760	2320



Open type



Silent type

GAS Engine Data

CUMMINS BRAND

Model	6BTAA5.9-BI
Prime Power	91 kW/113.75 kVA
Standby Power	100.1 kW/110.11 kVA
Governor	Electrical
Number of Cylinder and Arrangement	6 – In line
Engine Speed	1500/1800 rpm
Bore and Stroke	102 x 120 mm
Aspiration	Turbocharged Intercooled
Reference Gas Consumption (m³/h)	41
Reference Air Consumption (m³/h)	410
Coolant Heat (kw)	69.7
Coolant Flux (kg/s)	2.8
Fan-air Flux (m³/h)	4.8
Exhaust Flux (m³/h)	574

AC Alternator Data

STAMFORD BRAND

Alternator model	UCI274C
Exciter type	Brushless
Frequency	50/60HZ
Rated Speed	1500 /1800 rpm
Design	Brushless single bearing, revolving field
Prime Power	80 kW
Standby Power	88 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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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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