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TPG500CN

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

TPG500CN



**500KVA/400KW
POWERED BY CUMMINS**

GAS Generating Set

MODEL		TPG500CN	
Power Pf. 0.8	Standby power	kVA	550
		kW	440
	Prime power	kVA	500
		kW	400

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.

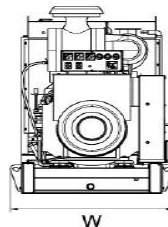
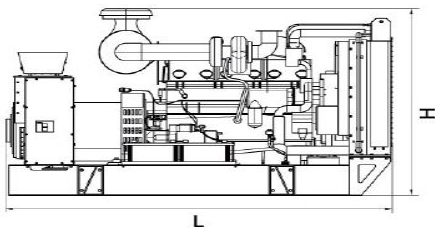
Ratings and Performance Data

Cummins Engine Model	KTAA38-N
Stamford Alternator Model	HCI5C
Frequency	50/60Hz
Rated speed	1500 /1800 RPM
Phase	3
Rated voltage	400/230 V

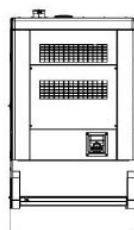
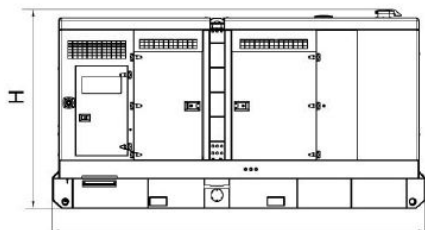
Remark: Also available in the following voltages 415/240V-380/220V-220/127V-200/115V;

Dimensions and Weights

Generating Set Type	Length (L) mm	Width (W) mm	Height (H) mm	Weight kg
Open Type	4525	1900	2310	8700
Silent Type	4700	2100	2450	11000



Open type



Silent type

GAS Engine Data

CUMMINS BRAND

Model	KTAA38-N
Prime Power	594 kW/742.5 kVA
Standby Power	653.4 kW/816.75 kVA
Governor	Electrical
Number of Cylinder and Arrangement	12 V-type
Engine Speed	1500/1800 rpm
Bore and Stroke	159 x 159 mm
Aspiration	Turbocharged Intercooled
Reference Gas Consumption (m³/h)	178
Reference Air Consumption (m³/h)	2674
Coolant Heat (kw)	470.9
Coolant Flux (kg/s)	18.7
Fan-air Flux (m³/h)	32.5
Exhaust Flux (m³/h)	3587

AC Alternator Data

STAMFORD BRAND

Alternator model	HCI5C
Exciter type	Brushless
Frequency	50/60HZ
Rated Speed	1500 /1800 rpm
Design	Brushless single bearing, revolving field
Prime Power	400 kW
Standby Power	440 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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