



➤ **Engine: Cummins NTA855-G2A**

➤ **Alternator: Stamford/Leroy**


**Somer/Hengsheng**

➤ **Controller: DeepSea/SmartGen/**

**DEIF/ComAp**

## Genset

Model	JHK5-344GF
Voltage	230/400V
Frequency&Speed	50HZ;1500RPM
Prime Power	275kW/344kVA
Standby Power	300kW/375kVA

	CHONGQING CUMMINS ENGINE PERFORMANCE CURVE	Engine Model NTA855-G2A		Curve No. C-0173A	Rev 2019/04/24
		CPL Code 3525	Data Sheet C-0173A	Emission Level	
Displacement: 14L [855 in. <sup>3</sup> ]		Cylinders: 6	Fuel System: PT		
Bore: 140mm [5.50 in.]		Speed: 1500 r/min	Cfg. Number: D093517DX02		
Stroke: 152mm [6.00 in.]		Aspiration: Turbocharged & Aftercooled			

## GENERAL ENGINE DATA

Type.....4-Cycle;In-line;6-Cylinder  
 Aspiration .....Turbocharged,Aftercooled  
 Bore x Stroke - in. × in. (mm × mm)..... 5.5 × 6 ( 140 × 152 )  
 Displacement - in.<sup>3</sup>(L)..... 855 ( 14 )  
 Compression Ratio ..... 14.0:1  
 Firing Order ..... 1-5-3-6-2-4

	Output Power		Fuel Consumption		Fuel Rate
	HP	kW	kg/h	L/h	g/kW-h
Standby100%	460	343	66.0	79.5	192.4
Prime100%	418	312	59.7	71.9	191.3
75%	314	234	45.6	54.9	194.9
50%	209	156	32.3	38.9	207.1
25%	105	78	18.1	21.8	232.1
10%	42	31	8.1	9.8	259.6

## Alternator

Pole No.	4-Pole
Exciter Type	Single bearing, Brushless, Self-excited
Power factor	0.8
Voltage adjust range	≤ 5%
Insulation Grade	H
Protection Grade	IP23/22
Phase / wire	3 phase 4 wires

- ✧ NEMAMG1.JIANGHAO,and ANSI standards compliance for temperature rise and motor starting.
- ✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- ✧ Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the generator field.
- ✧ Self-ventilated and drip-proof construction.
- ✧ Superior voltage waveform from two-thirds pitch windings and skewed stator.
- ✧ Digital solid-state.volts-per-hertz voltage regulator with +1% no-load to full-load regulation.

## Control Panel



**The control module gives digital readouts of:**

Generator voltage;  
Output frequency;  
Engine speed;  
Battery voltage;  
Engine hours run.

The **control panel** is an Digital Control Module suitable for a wide variety of single, diesel or gas, gen-set applications.

Monitoring an extensive number of engine parameters, the module will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LEDs.

**The control module has indicators for failure information:**

Over speed/Low speed,  
Emergency stop  
Low oil pressure;  
High water temperature  
Failure to start  
Battery charger failure



Dimension:3100\*1050\*1800mm  
Weight:2800kg



Dimension:4000\*1700\*2000mm  
Weight:4700kg  
Fuel Tank Capacity:680L

**Automatic shutdown occurs under:**

Low engine oil pressure;  
High engine water temperature;  
Over speed/Low speed;  
Failure to start after three attempts.

## Electrical system

- Maintenance-free and anti-explosion battery
- Standard breaker
- ABB breaker (optional)
- ATS (optional)
- Battery charger (optional)
- GMS monitoring (optional)

## Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

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