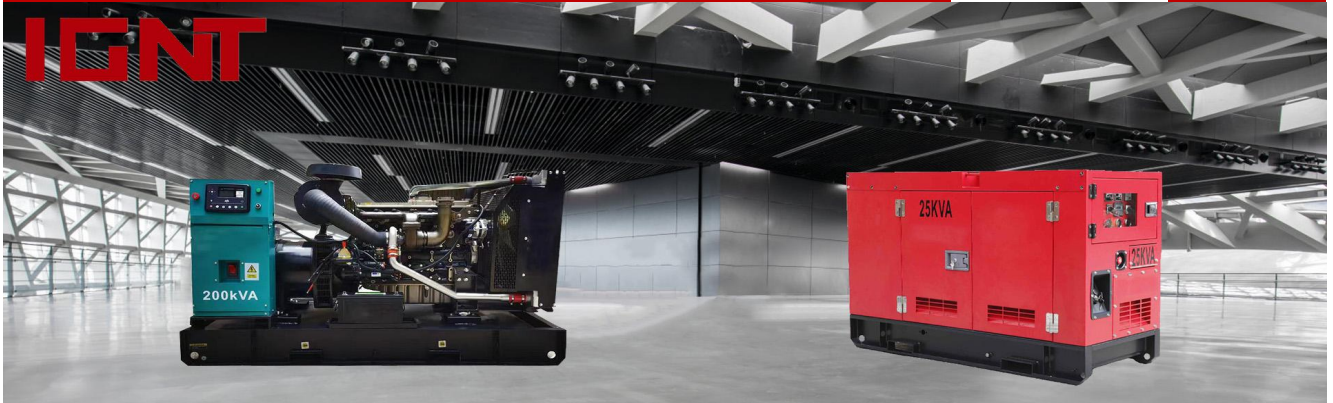


IG3025WP

INDUSTRIAL RANGE
POWER BY CUMMINS

IGNT



POWER DEFINITION

PRP: Prime Power is required for continuous operation under variable load and infinite operating hours per year.

ESP: Standby power refers to the ability of the generator to operate at varying loads in the event of power outage, with an annual operating time of up to 200h.

STANDARD USAGE CONDITIONS:

1. Altitude: below 1000 meters;
2. Environmental temperature: 25 °C
3. Relative humidity: 30%

ABOUT NOISE:

The noise level of the generator largely depends on the installation conditions and usage environment, so it is not possible to specify the noise value in manual. The noise value we provide is based on laboratory testing and is for reference.

QUALIFICATION STANDARD

IGNT POWER generator set complies with ISO and CE standards, which also include the following certification standards:
ISO 1400:2015 Environmental System;
ISO 45001:2018 Safety System;
ISO 9001:2015 Quality System

	SERVICE	PRP	ESP
Power	KVA	2750	3025
Power	KW	2200	2420
Standard Voltage	V	400/230	
Available Voltage	v	380/220	415/240
Rated Current	A	3969	
Frequency/Speed	HZ/RPM	50/1500	

Weight and Dimension

	Dimension	Open	Silent
Length	(L) mm	6500	12192
Width	(W) mm	2850	2438
Height	(H) mm	3290	2591
Net Weight	KG		
Fuel Tank	L		

IG3025C

INDUSTRIAL RANGE
POWER BY CUMMINS

IGNT

Engine Specifications

General Engine Data -- CUMMINS CCEC	
Engine Model	16M55D2750E310
Valves	64
Flywheel housing	SAE00
No. of Cylinders	16
Displacement (L)	87.5
Bore* Stroke (mm)	180*215
Compression Ratio	16.5
Rated Net Power(KW)	2200
Aspiration	Turbocharging and intercooling

Air intake system		
Intake air flow	kPa	<=3
Cooling air flow	L/s	/
Air intake temp	°C	5

Lubrication System		
Min. capacity	L	350
Lowest oil pressure	kPa	180
Oil flow	L/min	1460

Alternator Specifications

Alternator Date-- IGNT	
Alternator Model	TCU528B
Phase	3
Voltage (V)	400
Prime Power (KW)	2200
Pole	4
Excitation System	If-excited, Brushless
No. of Bearing	1
Power Factor	0.8
Wiring Connection	3 Phases, 4 Wires
Insulation Grade	H/H
Protection Grade	IP23
Voltage Regulation (%)	±0.5

Fuel System		
Max. restriction at fuel pump inlet		10kPa
Max. fuel return restriction	kPa	20
Max. fuel inlet temperature	°C	70
Min. pressure of fuel pump	kPa	50
Min. diameter of inlet pipe	mm	19
Min. diameter of return pipe	mm	19

Starter System		
Start Motor Voltage	V	24
No. of Batteries		2

Cooling System		
Coolant capacity-engine only	L	89.2
Thermostat adjusting temperature	°C	40-52
Max.coolant cycling resistance exterior engine		/
Coolant alarm temperature	°C	110

Exhaust system		
Max.exhaust temperature	°C	/
Exhaust gas flow(PRP)	kg/h	12385
Max.allowed back pressure	kPa	15

Alternator Date-- Stamford		
Alternator Model		N/A
Phase		3
Voltage	V	400
Prime Power	KW	2200
Pole		4
Excitation System		Self-excited, Brushless
No. of Bearing		3
Power Factor		0.8
Wiring Connection		3 Phases, 4 Wires
Insulation Grade		H/H
Protection Grade		IP23
Voltage Regulation	%	±0.5

Controller Specifications

Control Panel Date-- Deepsea DSE6120

- | | |
|------------------------------------------------------|----------------------------------------------------|
| ● Built in PLC logic programming | ● Generator/load current monitoring and protection |
| ● Generator voltage detection | ● Fuel pump control function |
| ● Mains voltage detection | ● Can connect to all expansion modules |
| ● Generator/load power detection (kW, kVA, kVAR, pf) | ● Capable of graded loading |
| ● Generator overload protection (kW) | ● Engine speed protection |
| ● Equipped with manual closing and opening functions | ● Engine preheating |
| ● Start gen-set when the battery voltage is low | ● Engine starts rapidly&stops rapidly |
| ● LCD and LED alarm indication | ● Custom remote start signal |

Generator Specifications

Standard Configuration

- 50°C radiator for belt driven fan
- 12/24V charging alternator
- One set of air/fuel/oil filters
- Chassis with integrated fuel tank
- Emergency stop button
- Anti-vibration shock absorbers
- Main circuit breaker/ MCCB
- Auto control system
- User manual

Optional Configuration

- Battery charger
- Engine pre-heater
- Alternator pre-heater
- PMG/ AREP/ MAUX
- Water-oil separator
- Inside automatic transfer switch/ ATS box
- Grounding copper rod
- Remote control system
- Switch box

Warranty of Generator Set

Cummins Engine

One year or 1000 running hours whichever comes first

Generator

One year or 1000 running hours whichever comes first

Email: ignt@igntpower.com

Web: www.igntpower.com