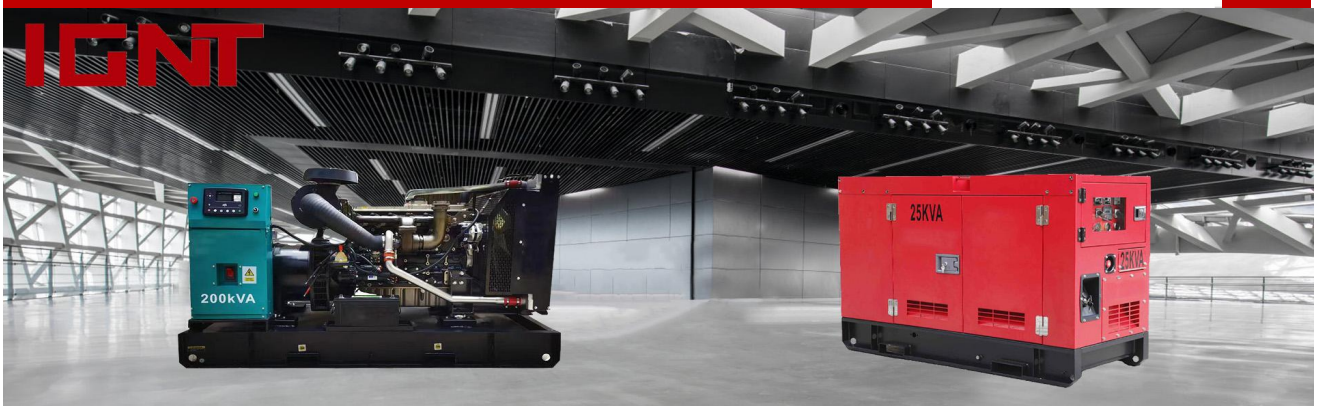
IG88C

INDUSTRIAL RANGE
POWER BY CUMMINS



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 ℃
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

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 Safty System;
ISO 9001:2015 Quality System

SERVICE		PRP	ESP
Power	KVA	80	88
Power	KW	64	70
standard voltage	V	400/230	
available voltage	V	380/220	415/240
Rated Current	A	115	
frequency/speed	hz/rpm	50/1500	

Weight and Dimension

Dimension		Open	Silent
Length (L)	mm	1900	2540
Width (W)	mm	800	1000
Height (H)	mm	1300	1500
Net Weight	KG	1005	1375
Fuel Tank	L		112

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Engine Specifications

General Engine Date-- Cummins		
Engine Model		4BTA3.9-G11
Piston Speed	m/s	6
Engine Weight	kg	350
No. of Cylinders		4
Displacement	L	3.9
Bore* Stroke	mm	102*120
Compression Ratio		/
Rated Net Power	KW	64
Governor Type		E
Base Output Power	kw	70

Fuel System		
Fuel Consumption @110% ESP	L/h	20
Fuel Consumption @100% PRP	L/h	17.6
Fuel Consumption @75% PRP	L/h	13.2
Fuel Consumption @50% PRP	L/h	9.1
Maximum Restriction	kPa	13.6
Fuel Tank Capacity (Silent)	L	/

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

Air intake system		
Maximum intake air restriction		
with heavy duty air cleaner:		
Air Intake Flow	L/s	64

Cooling System		
Engine Coolant Capacity	L	8.3
Thermostat Operating Range	℃	83 - 95
Max.coolant cycling	kPa	28
Min. Pressure Cap	kPa	69

Lubrication System		
Engine Oil Capcity	L	10.9
Low idle	kPa	207
Rated speed	kPa	345

Exhaust System		
Max. Exhaust Temp.	℃	/
Exhaust Gas Flow	L/s	125
Max. Back Pressure	kPa	10

Alternator Specifications

Alternator Date-- IGNT		
Alternator Model		IA224G
Phase		3
Voltage	V	400
Prime Power	KVA	80
Pole		4
Excitation System		Self-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

Alternator Date-- Stamford		
Alternator Model		UCI224G
Phase		3
Voltage	V	400
Prime Power	KVA	80
Pole		3
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

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Controller Specifications

Control Panel Date-- Deepsea DSE6120

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

Generator Specifications

Standard Configuration

- 50℃ radiator for belt driven fan
- 12/24V charging alternator
- One set of air/fuel/oil fiters
- 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 seperator
- Inside automatic transfer switch/ ATS box
- Grounding cooper 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