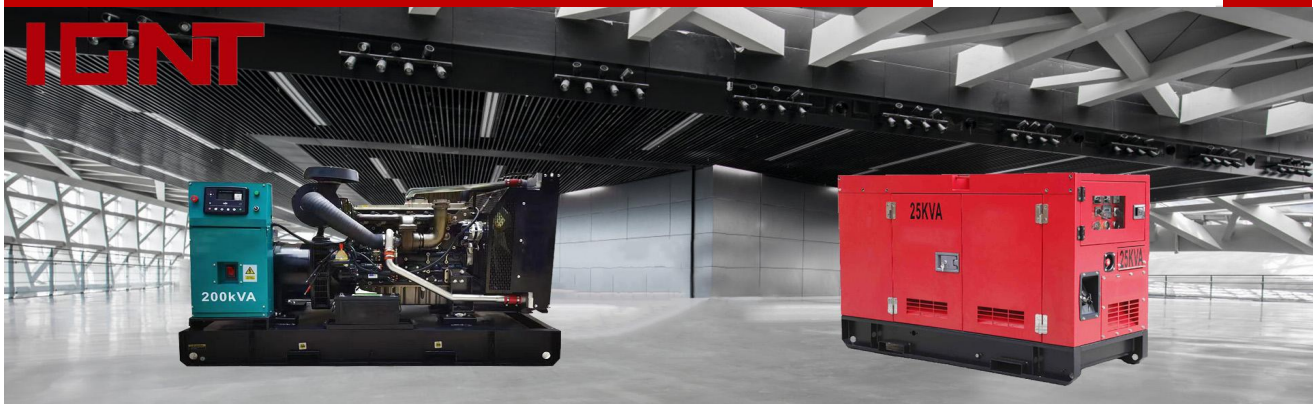
IG124C

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	113	124
Power	KW	90	99
standard voltag	V	400/230	
available voltage	V	380/220	415/240
Rated Current	A	162	
frequency/speed	hz/rpm	50/1500	

Weight and Dimension

Dimension		Open	Silent
Length (L)	mm	2200	2940
Width (W)	mm	880	1080
Height (H)	mm	1360	1690
Net Weight	KG	1300	1860
Fuel Tank	L		235

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Engine Specifications

General Engine Date-- Cummins		
Engine Model		6BTA5.9-G2
Aspiration		Turbocharged & Aftercooler
Fuel Injection		Direct
No. of Cylinders		6
Displacement	L	5.9
Bore* Stroke	mm	102*120
Compression Ratio		17.3
Rated Net Power	KW	90
Governor Type		E
Cooling Way		Water-cooled

Air intake system		
Maximum intake air restriction		
Intake air flow	L/s	118
Cooling air flow	L/s	3.377

Lubrication System		
Engine Oil Capcity	L	16.4
Oil Consumption	%	0.5-1
Oil Pressure	kPa	/

Fuel System		
Fuel Consumption @100% ESP	L/h	30
Fuel Consumption @100% PRP	L/h	27
Fuel Consumption @75% PRP	L/h	20
Fuel Consumption @50% PRP	L/h	14
Fuel Tank Capacity (Open)	L	260
Fuel Tank Capacity (Silent)	L	175

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

Cooling System		
Total Coolant Capacity	L	25.9
Engine oil capacity	L	16.4
Air Filte	Type	Dry
Min. Pressure Cap	kPa	/

Exhaust System		
Max. Exhaust Temp.	℃	570
Exhaust Gas Flow	L/s	334
Max. Back Pressure	kPa	10

Alternator Specifications

Alternator Date-- IGNT		
Alternator Model		IA274D
Phase		3
Voltage	V	400
Prime Power	KVA	113
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		UCI274D
Phase		3
Voltage	V	400
Prime Power	KVA	113
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