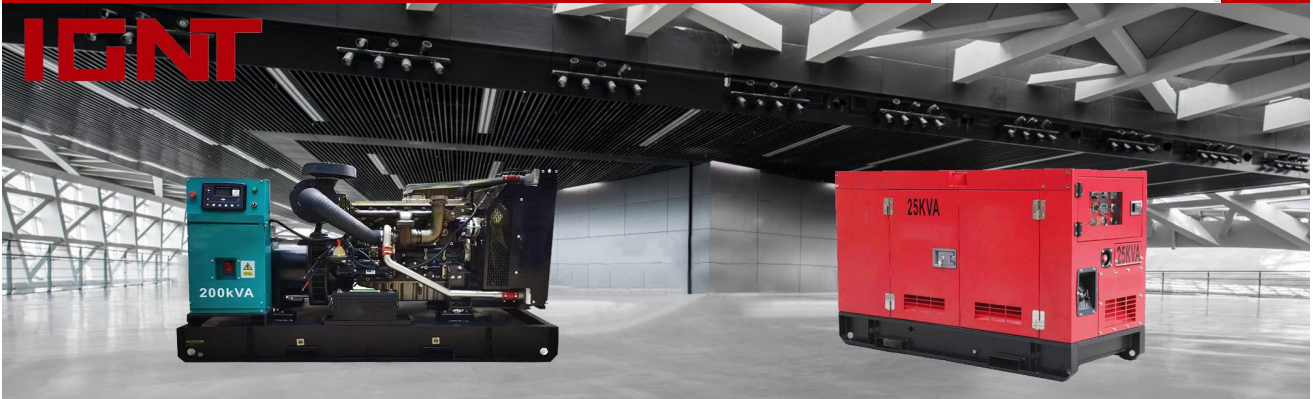


IG250C

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

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	227	250
Power	KW	182	200
standard voltage	V	400/230	
available voltage	V	380/220 415/240	
Rated Current	A	328	
frequency/speed	hz/rpm	50/1500	

Weight and Dimension

Dimension		Open	Silent
Length (L)	mm	2650	3590
Width (W)	mm	1000	1180
Height (H)	mm	1800	2150
Net Weight	KG	1795	2475
Fuel Tank	L	400	

IG250C

INDUSTRIAL RANGE
POWER BY CUMMINS

IGNT

Engine Specifications

General Engine Data-- Cummins		
Engine Model	6CTAA8.3-G9	
Aspiration	Turbocharged and charge air cooled	
Piston speed	m/s	6.8
No. of Cylinders	6	
Displacement	L	/
Bore* Stroke	mm	114*135
Compression Ratio	16.7	
Rated Net Power	KW	182
Governor Type	E	
Lube oil capacity	L	24

Air intake system		
Maximum intake air restriction with heavy duty air cleaner:		
Maximum air cleaner	kPa	3.7

Lubrication System		
Lube oil capacity	L	24
Oil Consumption	g/kWh	/
Oil Pressure	kPa	/

Alternator Specifications

Alternator Data-- IGNT		
Alternator Model	IA274J	
Phase	3	
Voltage	V	400
Prime Power	KVA	227
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

Fuel System		
Maximum fuel flow	L/h	208
Maximum fuel inlet restriction	mm Hg	102
Maximum fuel inlet temperature	°C	70
Combustion air	m3/min	15.3
Fuel Tank Capacity (Open)	L	/
Fuel Tank Capacity (Silent)	L	/

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

Cooling System		
Engine Coolant Capacity	L	12.3
Ambient design	°C	50
Fan load,	kw	9
Min. Pressure Cap	kPa	/

Exhaust System		
Exhaust Temp.	°C	520
Exhaust Gas Flow	m3/min	35.8
Max. Back Pressure	kPa	6.7

Alternator Data-- Stamford		
Alternator Model	UCDI274J	
Phase	3	
Voltage	V	400
Prime Power	KVA	227
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

Controller Specifications

Control Panel Date-- Deepsea DSE6120

- Built in PLC logic programming
- Generator voltage detection
- Mains voltage detection
- Generator/load power detection (kW, kVA, kVA, 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°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





