IG200C

**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 ℃
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	181	200
Power	KW	145	160
standard voltage	V	400/230	
available voltage	V	380/220	415/240
Rated Current	A	262	
frequency/speed	hz/rpm	50/1500	

Weight and Dimension

Dimension		Open	Silent
Length (L)	mm	2400	3290
Width (W)	mm	950	1130
Height (H)	mm	1560	1850
Net Weight	KG	1680	2280
Fuel Tank	L		360

Engine Specifications

General Engine Date-- Cummins

Engine Model		6CTA8.3-G2
Piston Speed	m/s	6.8
Fuel Injection		BYC A
No. of Cylinders		6
Displacement	L	8.3
Bore* Stroke	mm	114*135
Compression Ratio		17.3
Rated Net Power	KW	145
Governor Type		E
Output Power	kw	163

Air intake system

Maximum intake air restriction		
with heavy duty air cleaner:		
Air Intake Flow	L/s	192

Lubrication System

Low idle	kPa	103
Rated speed	kPa	276-414
Lubrication system	L	27.6

Fuel System

Fuel Consumption @110% ESP	L/h	48
Fuel Consumption @100% PRP	L/h	42
Fuel Consumption @75% PRP	L/h	31
Fuel Consumption @50% PRP	L/h	21
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
Thermostat Operating Range	℃	82-95
Max.coolant cycling	℃	28
Min. Pressure Cap	kPa	69

Exhaust System

Max. Exhaust Temp.	℃	/
Exhaust Gas Flow	L/s	521
Max. Back Pressure	kPa	10

Alternator Specifications

Alternator Date-- IGNT

Alternator Model		IA274G
Phase		3
Voltage	V	400
Prime Power	KVA	181
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		UCI274G
Phase		3
Voltage	V	400
Prime Power	KVA	181
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/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, p	● Capable of graded loading
● Generator overload protection (kW)	● Engine speed protection
● Equipped with manual closing and opening functio	● 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	Optional Configuration
● 50℃ radiator for belt driven fan	● Battery charger
● 12/24V charging alternator	● Engine pre-heater
● One set of air/fuel/oil fiters	● Alternator pre-heater
● Chassis with integrated fuel tank	● PMG/ AREP/ MAUX
● Emergency stop button	● Water-oil seperator
● Anti-vibration shock absorbers	● Inside automatic transfer switch/ ATS box
● Main circuit breaker/ MCCB	● Grounding cooper rod
● Auto control system	● Remote control system
● User manual	● 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