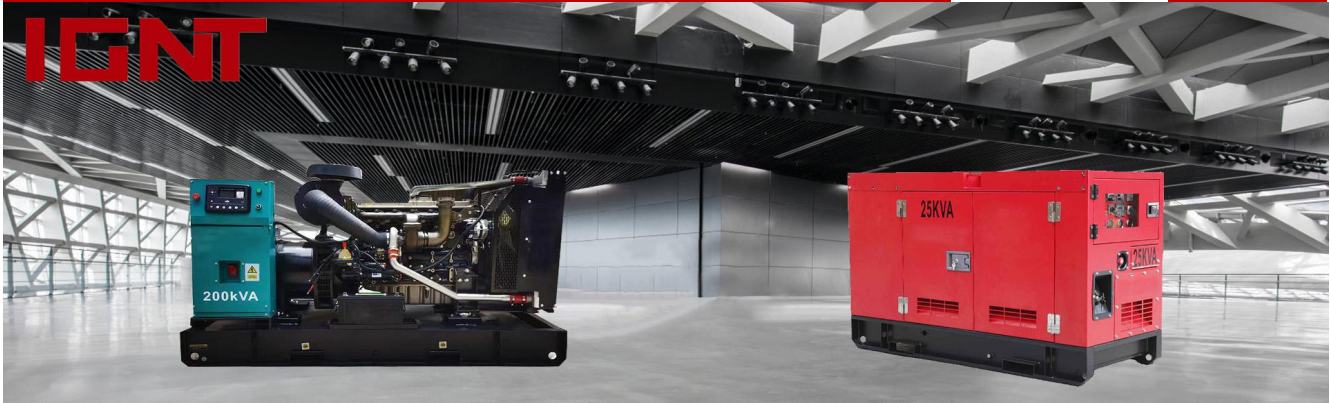


# IG253WP

INDUSTRIAL RANGE  
POWER BY WEICHAI

# 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	230	253
Power	KW	184	202
Standard Voltage	V	400/230	
Available Voltage	v	380/220	415/240
Rated Current	A	332	
Frequency/Speed	HZ/RPM	50/1500	

## Weight and Dimension

	Dimension	Open	Silent
Length	(L) mm	2850	3960
Width	(W) mm	1040	1280
Height	(H) mm	1580	2150
Net Weight	KG		
Fuel Tank	L	600	

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**IGNT**

## Engine Specifications

General Engine Data -- WEICHAI	
Engine Model	WP10D238E200
Governer	E
Aspiration	Turbocharged & aftercooled
No. of Cylinders	6
Displacement (L)	9.7
Bore* Stroke (mm)	126*130
Compression Ratio	17:01
Rated Net Power(KW)	216
Fuel system	mechanical pump

Aspiration system		
Clean filter	kPa	≤3.5
Dirty filter	kPa	/
Air flow	L/s	1047

Lubrication System		
Oil capacity	L	24
Oil consumption	g/kwh	0.2
Oil pressure	kPa	300-550

## Alternator Specifications

Alternator Date-- IGNT	
Alternator Model	IA274J
Phase	3
Voltage (V)	400
Prime Power (KW)	184
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		
Fuel Consumption @100% ESP	L/h	/
Fuel Consumption @100% PRP	L/h	46
Fuel Consumption @75% PRP	L/h	/
Fuel Consumption @50% PRP	L/h	/
Fuel Tank Capacity	L	480
Fuel Tank Capacity (Silent)	L	/

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

Cooling System		
Total coolant capacity	L	22
Thermostat operation range	°C	71-82
Max water temperature	°C	98

Exhaust system		
Max.exhaust temperature	°C	600
Exhaust gas flow	L/s	1084
Max.allowed back pressure	kPa	6±0.5

Alternator Date-- Stamford		
Alternator Model		UCDI274J
Phase		3
Voltage	V	400
Prime Power	KW	184
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

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