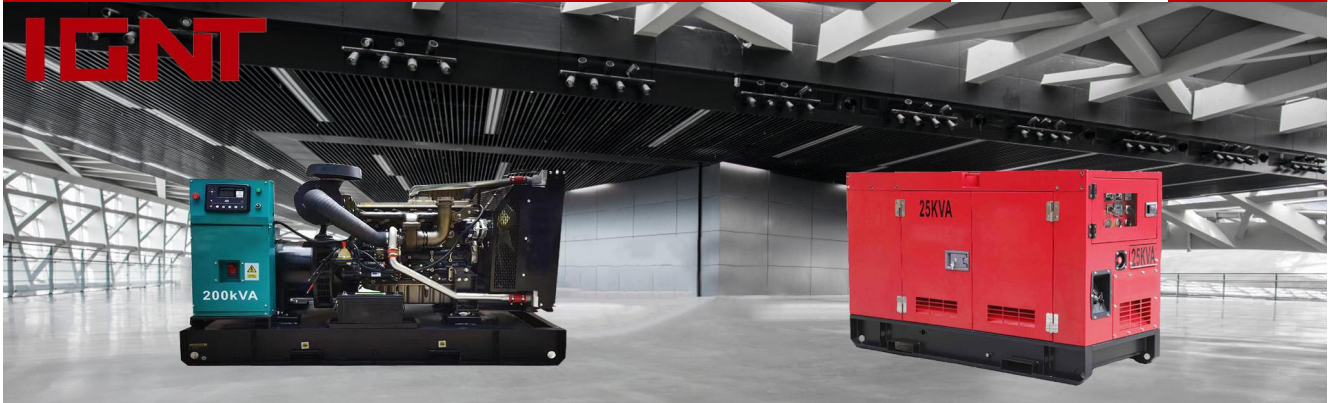


IG1650WP

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	1500	1650
Power	KW	1200	1320
Standard Voltage	V	400/230	
Available Voltage	v	380/220	415/240
Rated Current	A	2165	
Frequency/Speed	HZ/RPM	50/1500	

Weight and Dimension

	Dimension		Open	Silent
Length	(L)	mm	4700	12192
Width	(W)	mm	2000	2438
Height	(H)	mm	2400	2591
Net Weight		KG		
Fuel Tank		L		

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Engine Specifications

General Engine Data -- WEICHAI	
Engine Model	12M33D1500E310
Valves	48
Aspiration	Turbocharged & intercooling
No. of Cylinders	12
Displacement (L)	39.2
Bore* Stroke (mm)	150*185
Compression Ratio	15
Rated Net Power(KW)	1200
Flywheel housing	SAE 0

Air intake system		
Clean filter	kPa	≤3
Dirty filter	kPa	≤6.2
Air intake temp	°C	5

Lubrication System		
Oil capacity(high)	L	146
Oil flow	L/min	≥392
Max. oil temp.	°C	105

Alternator Specifications

Alternator Date-- IGNT	
Alternator Model	IA734C
Phase	3
Voltage (V)	400
Prime Power (KW)	1200
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		
Max. restriction at fuel pump inlet		50kPa
Max. fuel return restriction	kPa	20
Max. fuel inlet temperature	°C	70
Min. pressure of fuel pump	kPa	600
Min. diameter of inlet pipe	mm	19
Min. diameter of return pipe	mm	19

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

Cooling System		
Total coolant capacity	L	76
Thermostat operation range	°C	78-92
Coolant alarm temperature	°C	101

Exhaust system		
Exhaust gas flow(ESP)	kg/h	7482.6
Max. exhaust temperature	°C	550
Max. allowed back pressure	kPa	7.5

Alternator Date-- Stamford		
Alternator Model		S7L1D-C4
Phase		3
Voltage	V	400
Prime Power	KW	1200
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

Email: ignt@igntpower.com

Web: www.igntpower.com