

IG1238WP

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	1125	1238
Power	KW	900	990
Standard Voltage	V	400/230	
Available Voltage	v	380/220	415/240
Rated Current	A	1624	
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	12M33D1108E200	
Governer	E	
Aspiration	Turbocharged & intercooling	
No. of Cylinders	12	
Displacement (L)	39.2	
Bore* Stroke (mm)	150*185	
Compression Ratio	15:01	
Rated Net Power(KW)	1007	
Fuel system	Mechanical Pump+Electronic Speed Governor	

Air intake system		
Clean filter	kPa	≤3
Dirty filter	kPa	/
Air flow	kg/h	4968

Lubrication System		
Oil capacity	L	117
Oil consumption	g/kwh	0.3
Oil pressure	kPa	400-650

Alternator Specifications

Alternator Data-- IGNT		
Alternator Model	IA634F	
Phase	3	
Voltage (V)	400	
Prime Power (KW)	900	
Pole	4	
Excitation System	lf-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	219.8
Fuel Consumption @75% PRP	L/h	/
Fuel Consumption @50% PRP	L/h	/
Fuel Tank Capacity (Open)	L	1900
Fuel Tank Capacity (Silent)	L	/

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

Cooling System		
Total coolant capacity	L	83
Thermostat operation range	℃	80-92
Coolant alarm temperature	℃	103

Exhaust system		
Exhaust gas flow	L/s	5576
Max. exhaust temperature	℃	550
Max. allowed back pressure	kPa	7.5

Alternator Data-- Stamford		
Alternator Model	S6L1D-F4	
Phase	3	
Voltage V	400	
Prime Power KW	900	
Pole	4	
Excitation System	elf-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/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	Optional Configuration
● 50°C radiator for belt driven fan	● Battery charger
● 12/24V charging alternator	● Engine pre-heater
● One set of air/fuel/oil filters	● Alternator pre-heater
● Chassis with integrated fuel tank	● PMG/ AREP/ MAUX
● Emergency stop button	● Water-oil separator
● Anti-vibration shock absorbers	● Inside automatic transfer switch/ ATS box
● Main circuit breaker/ MCCB	● Grounding copper 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

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