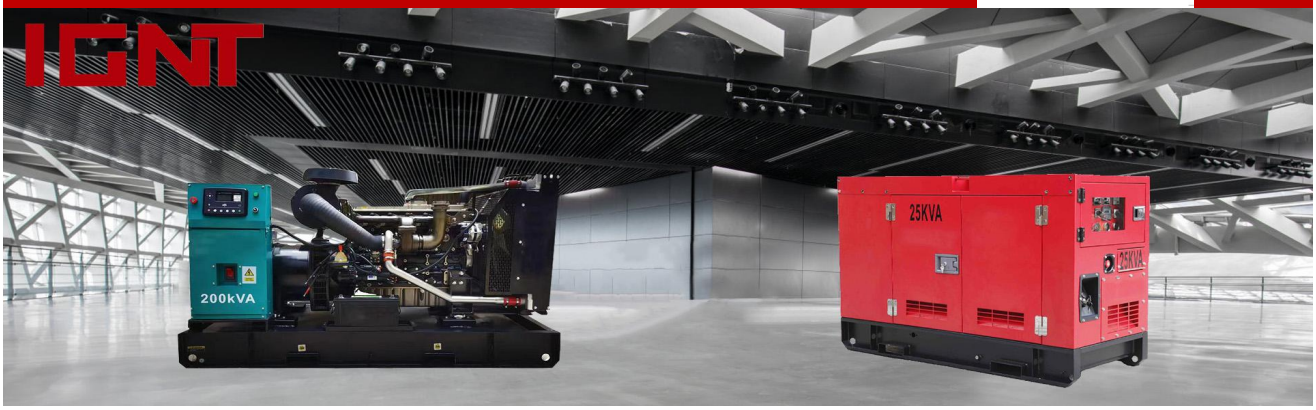
IG2200MTU

INDUSTRIAL RANGE
POWER BY MTU



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 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 Safty System;
ISO 9001:2015 Quality System

SERVICE		PRP	ESP
Power	KVA	2000	2200
Power	KW	1600	1760
Standard Voltage	V	400/230	
Available Voltage	v	380/220	415/240
Rated Current	A	2887	
Frequency/Speed	HZ/RPM	50/1500	

Weight and Dimension

Dimension			Open	Silent
Length	(L)	mm	5800	12192
Width	(W)	mm	2800	2438
Height	(H)	mm	3400	2591
Net Weight		KG		
Fuel Tank		L		

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Engine Specifications

General Engine Date -- MTU	
Engine Model	16V 4000 G63
Operated method	Four stroke diesel
Number of Turbocharge	4
No. of Cylinders	16
Displacement (L)	76.3
Bore* Stroke (mm)	170*210
Compression Ratio	16.5
Rated Net Power(KW)	1600
Combustion system	Direction injection

Fuel System		
Fuel Consumption @100% ESP	L/h	497.32
Fuel Consumption @100% PRP	L/h	452.11
Fuel Consumption @75% PRP	L/h	344.38
Fuel Consumption @50% PRP	L/h	241.36
Fuel Tank Capacity (Open)	L	/
Fuel Tank Capacity (Silent)	L	/

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

Air intake system	
Maximum intake air restriction	
Combustion air volume flow	2.3m3/sec
Intake air depression	15 mbar

Cooling System		
Coolant temperature	℃	100
Coolant pump: inlet pressure, max		1.5bar
Cooling equipment: design pressure		2.5bar
Coolant flow rate	m3/H	68.5

Heat dissipation	
Engine coolant dissipation 100% load	730kw
Radiation and convection heat	90kw

Exhaust System		
Max. Exhaust Temp.	℃	485
Exhaust volume flow	M3/sec	5.8
Exhaust backpressure limite value		85mbar

Alternator Specifications

Alternator Date-- IGNT	
Alternator Model	IA734F
Phase	3
Voltage (V)	400
Prime Power (KW)	1664
Pole	4
Excitation System	-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

lternator Date-- Stamfor		
Alternator Model		S7L1D-G4
Phase		3
Voltage	V	400
Prime Power	KW	1664
Pole		4
Excitation System		lf-excited, Brushle
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 protect
○ 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℃ 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 bo
● 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

Email: ignt@igntpower.com
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