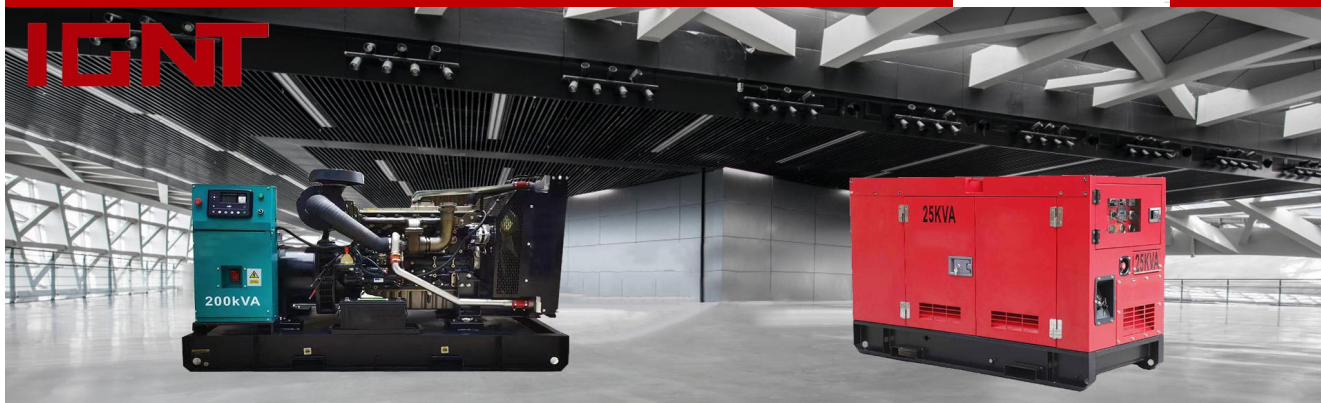


# IG3025MTU

INDUSTRIAL RANGE  
POWER BY MTU

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	2750	3025
Power	KW	2200	2420
Standard Voltage	V	400/230	
Available Voltage	v	380/220	415/240
Rated Current	A	3969	
Frequency/Speed	HZ/RPM	50/1500	

## Weight and Dimension

Dimension			Open	Silent
Length	(L)	mm	6500	12192
Width	(W)	mm	2850	2438
Height	(H)	mm	3290	2591
Net Weight	KG			
Fuel Tank	L			

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## Engine Specifications

General Engine Data -- MTU	
Engine Model	20V 4000 G63
Operated method	Four stroke diesel
Number of Turbocharger	2
No. of Cylinders	20
Displacement (L)	95.4
Bore* Stroke (mm)	170*210
Compression Ratio	16.5
Rated Net Power(KW)	2200
Combustion system	Direction injection

Air intake system	
Maximum intake air restriction	
Combustion air volume flow	3m <sup>3</sup> /sec
Intake air depression	15 mbar

Heat dissipation	
Engine coolant dissipation 100% load	1070kw
Radiation and convection heat	105kw

## Alternator Specifications

Alternator Data-- IGNT	
Alternator Model	IA734HM
Phase	3
Voltage (V)	400
Prime Power (KW)	2265
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	672.79
Fuel Consumption @100% PRP	L/h	611.63
Fuel Consumption @75% PRP	L/h	472.98
Fuel Consumption @50% PRP	L/h	332.75
Fuel Tank Capacity (Open)	L	/
Fuel Tank Capacity (Silent)	L	/

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

Cooling System		
Coolant temperature	°C	100
Coolant pump: inlet pressure, max		1.5bar
Cooling equipment: design pressure		2.5bar
Coolant flow rate	m <sup>3</sup> /H	83

Exhaust System		
Max. Exhaust Temp.	°C	505
Exhaust volume flow	M <sup>3</sup> /sec	8
Exhaust backpressure limite value		85mbar

Alternator Data-- Stamford		
Alternator Model		N/A
Phase		3
Voltage	V	400
Prime Power	KW	2265
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

- 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](mailto:ignt@igntpower.com)

Web: [www.igntpower.com](http://www.igntpower.com)