

# IG62C

INDUSTRIAL RANGE  
POWER BY CUMMINS

# 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

## 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	56	62
Power	KW	45	50
standard voltage	V	400/230	
available voltage	V	380/220	415/240
Rated Current	A	81	
frequency/speed	hz/rpm	50/1500	

## Weight and Dimension

Dimension		Open	Silent
Length ( L)	mm	1850	2540
Width ( W)	mm	800	1000
Height ( H)	mm	1260	1450
Net Weight	KG	920	1128
Fuel Tank	L	920	

**Engine Specifications**

General Engine Data-- Cummins		
Engine Model		4BTA3.9-G2
Piston Speed	m/s	6
Fuel Injection		BYC A
No. of Cylinders		4
Displacement	L	3.9
Bore* Stroke	mm	102*120
Compression Ratio		/
Rated Net Power	KW	45
Governor Type		E
Engine Weight	kg	350

**Air intake system**

Maximum intake air restriction with heavy duty air cleaner:		
Air Intake Flow	L/s	49

**Lubrication System**

Engine Oil Capacity	L	10.9
Low idle	kPa	207
Rated speed	kPa	345

**Alternator Specifications**

Alternator Data-- IGNT		
Alternator Model		IA224E
Phase		3
Voltage	V	400
Prime Power	KVA	56
Pole		4
Excitation System	Self-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 @110% ESP	L/h	14.1
Fuel Consumption @100% PRP	L/h	12.9
Fuel Consumption @75% PRP	L/h	10.1
Fuel Consumption @50% PRP	L/h	7
Total Drain Flow	L/h	30
Fuel Tank Capacity (Silent)	L	/

**Starter System**

Start Motor Voltage	V	24
No. of Batteries		2

**Cooling System**

Engine Coolant Capacity	L	8.3
Thermostat Operating Range	°C	82- 95
Max. coolant cycling	kPa	28
Min. Pressure Cap	kPa	69

**Exhaust System**

Max. Exhaust Temp.	°C	/
Exhaust Gas Flow	L/s	125
Max. Back Pressure	MMHG	76

**Alternator Data-- Stamford**

Alternator Model		S1L2-Y1
Phase		3
Voltage	V	400
Prime Power	KVA	56
Pole		3
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, p | ● Capable of graded loading                        |
| ● Generator overload protection (kW)               | ● Engine speed protection                          |
| ● Equipped with manual closing and opening functio | ● 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

