

# IG358C

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 Safty System;  
 ISO 9001:2015 Quality System

SERVICE		PRP	ESP
Power	KVA	325	358
Power	KW	260	286
standard voltage	V	400/230	
available voltage	V	380/220 415/240	
Rated Current	A	469	
frequency/speed	hz/rpm	50/1500	

## Weight and Dimension

Dimension		Open	Silent
Length ( L)	mm	2850	3960
Width ( W)	mm	1140	1280
Height ( H)	mm	1800	2150
Net Weight	KG	2313	3433
Fuel Tank	L	550	

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## Engine Specifications

General Engine Data-- Cummins		
Engine Model	6LTAA9.5-G1	
Aspiration	Turbocharged and Charge Air Cooled	
Fuel Injection	Direct	
No. of Cylinders	6	
Displacement	L	9.5
Bore* Stroke	mm	117*148
Compression Ratio	16.6	
Rated Net Power	KW	260
Governor Type	ECU	
Cooling Way	Water-cooled	

Air intake system		
Maximum intake air restriction with heavy duty air cleaner:		
ntake air flow	L/s	345

Lubrication System		
Engine Oil Capacity	L	32.4
Oil Consumption	%	0.5-1
Oil Pressure	g/kWh	/

## Alternator Specifications

Alternator Data-- IGNT		
Alternator Model	IA444ES	
Phase	3	
Voltage	V	400
Prime Power	KVA	325
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 @100% ESP	L/h	76
Fuel Consumption @100% PRP	L/h	68
Fuel Consumption @75% PRP	L/h	50
Fuel Consumption @50% PRP	L/h	34
Fuel Tank Capacity (Open)	L	600
Fuel Tank Capacity (Silent)	L	650

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

Cooling System		
Engine Coolant Capacity	L	57.1
Thermostat Operating Range	°C	/
Max. Water Temp.	°C	/
Cooling air flow	L/s	6.4

Exhaust System		
Max. Exhaust Temp.	°C	495
Exhaust Gas Flow	L/s	348
Max. Back Pressure	kPa	10

Alternator Data-- Stamford		
Alternator Model	S4L1D-E41	
Phase	3	
Voltage	V	400
Prime Power	KVA	325
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 voltage detection
- Mains voltage detection
- Generator/load power detection (kW, kVA, kVAr, p
- Generator overload protection (kW)
- Equipped with manual closing and opening functio
- Start gen-set when the battery voltage is low
- LCD and LED alarm indication
- Generator/load current monitoring and protection
- Fuel pump control function
- Can connect to all expansion modules
- Capable of graded loading
- Engine speed protection
- Engine preheating
- Engine starts rapidly&stops rapidly
- 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



469.04



