

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	380	418
Power	KW	304	334
standard voltage	V	400/	230
available voltage	V	380/220	415/240
Rated Current	А	54	8
frequency/speed	hz/rpm	50/1	500

Weight and Dimension

Dimension		0pen	Silent
Length (L)	mm	3500	4590
Width (W)	mm	1300	1600
Height (H)	mm	2050	2500
Net Weight	KG	2910	4160
Fuel Tank	L		678

www.igntpower.com

IG418C

INDUSTRIAL RANGE POWER BY CUMMINS



Engine Specifications

General Engine	Date Cumm	nins	
Engine Model	QS	Z13-G3	
Aspiration	Turbo, Air		
Fuel system	HPCR		
No. of Cylinders		6	
Displacement	L	13	
Bore* Stroke	mm	130*163	
Compression Ratio		17.1	
Rated Net Power	KW	304	
Governor Type		ECU	
Rated speed	r/min	1500	

Maximum intake air restriction with heavy duty air cleaner:	Air intake system			
	Maximum intake ai	r restriction		
Deted Net Demore 1 450	with heavy duty a	ir cleaner:		
Rated Net Power KW 400	Rated Net Power	kw	450	

Lubrication System		
Engine Oil Capcity	L	45.4
0il Consumption	g/kWh	0.5
0il Pressure	kPa	780

Alternator Specifications

Alternator Date	IGNT	
Alternator Model		IA544C
Phase		3
Voltage	V	400
Prime Power	KVA	380
Pole		4
Excitation System	Self-excited,	Brushless
No. of Bearing		1
Power Factor		0.8
Wiring Connection	3 Phases	s, 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	101
Fuel Consumption @75% PRP	L/h	74.2
Fuel Consumption @50% PRP	L/h	48.9
Fuel Tank Capacity (Open)	L	780
Fuel Tank Capacity (Silent)	L	/
Starter System		
Start Motor Voltage	V	24
No. of Batteries		2
Cooling System		
Engine Coolant Capacity	L	23.1
Thermostat Operating Range	°C	82
Max. Water Temp.	°C	102
Min. Pressure Cap	kPa	/
Exhaust System		

Exhaust System		
Max. Exhaust Temp.	°C	473
Exhaust Gas Flow	L/s	43.8
Max. Back Pressure	kPa	13

Alternator Date	Stamford	
Alternator Model		S5L1D-C4
Phase		3
Voltage	V	400
Prime Power	KVA	380
Pole		3
Excitation System	Self-excited,	Brushless
No. of Bearing		3
Power Factor		0.8
Wiring Connection	3 Phase	s, 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 	ullet 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
ullet Generator overload protection (kW)	 Engine speed protection
• Equipped with manual closing and opening function	io 🔍 Engine preheating
ullet Start gen-set when the battery voltage is low	 Engine starts rapidly&stops rapidly
ullet 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 fiters
- Chassis with integrated fuel tank
- Emergency stop button
- Anti-vibration shock absorbers
- Main circuit breaker/ MCCB
- Auto control s
- User manual

Optional Configuration

Battery charger
Engine pre-heater
Alternator pre-heater
PMG/ AREP/ MAUX
Water-oil seperator
Inside automatic transfer switch/ ATS box
Grounding cooper rod
Remote control system
Switch box

Warranty of Generator Set

One year or 1000 running hours whichever comes first

Generator

One year or 1000 running hours whichever comes first



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