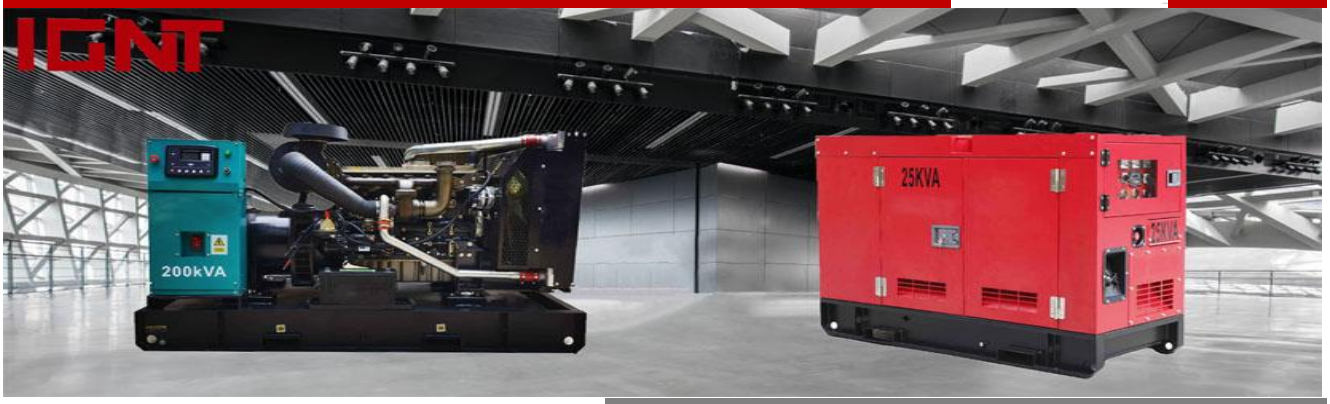
IG385P

INDUSTRIAL RANGE
POWER BY PERKINS



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	350	385
Power	KW	280	308
Standard Voltage	V	400/230	
Available Voltage	v	380/220	415/240
Rated Current	A	505	
Frequency/Speed	HZ/RPM	50/1500	

Weight and Dimension

Dimension			Open	Silent
Length	(L)	mm	3350	4290
Width	(W)	mm	1150	1400
Height	(H)	mm	2050	2220
Net Weight		KG		
Fuel Tank		L		697

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Engine Specifications

General Engine Date -- PERKINS	
Engine Model	2206C-E13TAG2
Governer	ECM
Aspiration	Turbocharged and Air to Air charge cooled
No. of Cylinders	6
Displacement (L)	12.5
Bore* Stroke (mm)	130*157
Compression Ratio	16.3
Rated Net Power(KW)	280
Cooling system	Water-cooled

Fuel System		
Fuel Consumption @100% ESP	L/h	84
Fuel Consumption @100% PRP	L/h	75
Fuel Consumption @75% PRP	L/h	58
Fuel Consumption @50% PRP	L/h	40
Fuel Tank Capacity (Open)	L	
Fuel Tank Capacity (Silent)	L	448

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

Air intake system		
Intake air flow	L/s	355
Cooling air flow	L/s	TBD

Cooling System		
Coolant capacity-engine only	L	
Thermostat adjusting temp.	℃	
Min. Pressure Cap	kPa	

Lubrication System		
Engine Oil Capcity	L	40
Rated speed	kPa	662
Max.oil temp.permitted in oil pan		120℃

Exhaust system		
Max.exhaust temperature	℃	630
Exhaust gas flow	L/s	943
Max.allowed back pressure	kPa	10

Alternator Specifications

Alternator Date-- IGNT	
Alternator Model	IA444E
Phase	3
Voltage (V)	400
Prime Power (KW)	280
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

Alternator Date-- Stamford		
Alternator Model		S4L1D-E41/S4L1S-E4
Phase		3
Voltage	V	400
Prime Power	KW	280
Pole		4
Excitation System		elf-excited, Brushles
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	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 box
● 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

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