POWER IS OUR WORLD

About Product

IDE

IDEA generator sets are designed to be used as backup or continuous power supply. They are subjected to detailed load and performance tests in our production facilities in order to provide ideal performance and safe usage.



Power Output Values

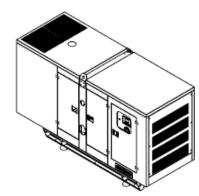
kVA kW Ampere kVA kW Amp		Standby Power (ESP)		Prime Power (PRP)			
400/231 170 kVA 136kW 245 155 kVA 124 kW 22	Voltage	kVA	kW	Ampere	kVA	kW	Ampere
	400/231	170 kVA	136kW	245	155 kVA	124 kW	224

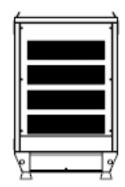
Standby Power (ESP) : This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure. No overload is permitted.

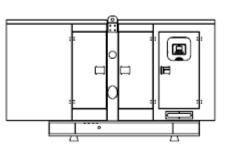
Prime Power (PRP) : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Weight And Dimensions

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	1100x2300x1570 mm	1450 kg	200 lt	ТВА
Soundproofed	1100x3200x1770 mm	1750 kg	200 lt	ТВА









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REV NO:2020-00

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Engine



	50 Hz		
kW	145		
	CUMMINS - 6BTAA5.9-G7		
	Diesel		
	Direct		
	Turbocharged		
	6		
mm	102×120		
lt	5,9		
	Water		
	SAE 15W40		
lt	16,4		
lt	21,4		
	Electronical		
	Dry element		
lt/h	37		
lt/h	29		
lt/h	19		
m³/min	3 <mark>,</mark> 7		
Ah	1x80		
V	12		
	mm It It It It It It/h It/h It/h It/h M ³ /min		

Alternator

Poles	4 pole
Winding Connections	Star
Insulation	Class H
Enclosure	IP23
Exciter System	Self regulating Brushless
Voltage Regulator	AVR
Steady State Voltage Regulation	± 1 %
Bearing	Single bearing sealed
Coupling	Flexible disc
Cooling	Direct drive centrifugal blower fan



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INDUSTRIAL RANGE DATASHEET

IDJ170C

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Control Panel IDP300

The new IDP300 genset controller is a cost effective modular genset controller ready for internet monitoring through plug-in modules.

Its main advantages are multifunctionality, support for multiple topologies, harmonic analysis and detailed power measurements.



Software features are complete with easy firmware upgrade through USB port. The Windows based PC software allows monitoring and programming through USB, RS-485, RS-232, Ethernet and GPRS.

The Rainbow Scada web service allows monitoring and control of an unlimited number of gensets from a single central location.

Optional Equipments

Some Optional Equipment IDEA Provides with Generator Sets;

- Remote radiator applications,
- Automatic fuel filling system,
- Fuel tank, oil pan, instrument panel, alternator, coil heaters,
- Synchronization systems,
- Generator output fuse,
- Mains generator transfer switches,
- Seismic solutions,
- Remote monitoring
- Other requested solutions

Reference Standards

IDEA Generator Sets are CE approved and comply with the following standards;

- Power according to ISO 3046 and ISO 8528
- EN 12100, EN 13857, EN 60204
- 2006/42/CE Machinery Safety
- 2006/95/EC Low Voltage
- 2004/108/CE EMC
- Ambient reference conditions 1000 mbar, 25 °C, 30 % relative humidity ISO8528

All the information in this leaflet is intended for general purposes only. IDEA reserves the right to change the specifications without notice.



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