

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

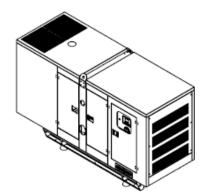
kVA kW Ampere kVA kW Ar		Standby Power (ESP) Prime Power (PRP)			Standby Power (ESP)			
400/231 450 kVA 360kW 650 410 kVA 328 kW	mpere	,	kW	kVA	Ampere	kW	kVA	Voltage
	592	٧W	328 kW	410 kVA	650	360kW	450 kVA	400/231

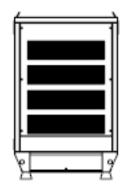
Standby Power (ESP) : This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure. No overload is permitted.

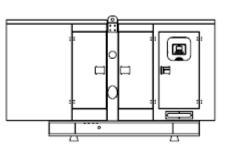
Prime Power (PRP) : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Weight And Dimensions

Type Width x Length x Height (mm)		Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	1300x3200x1980 mm	3300 kg	600 lt	ТВА
Soundproofed	1300x4500x2280 mm	3950 kg	600 lt	ТВА









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Engine



Frequency		50 Hz
Output Rating	kW	390
Manufacturer and Model		CUMMINS - QSG12-G2
Fuel		Diesel
Injection		Direct
Aspiration		Turbocharged
Cylinders		6
Bore and Stroke	mm	132×144
Displacement	lt	11,8
Cooling		Water
Engine Oil Specification		SAE 15W40
Engine Oil Capacity	lt	34,1
Coolant Capacity (incl.radiator)	lt	48
Governor	nor Electronical	
Air Filter		Dry element
FUEL CONSUMPTION		
100 % Load	lt/h	82
75 % Load	lt/h	60
50 % Load	lt/h	41
AIR SYSTEM		
Intake Air Flow	m³/min	7, <mark>1</mark> 5
STARTING SYSTEM		
Battery Capacity	Ah	2x100
Auxiliary Voltage	V	24

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

IDJ450C

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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.

