

## 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**

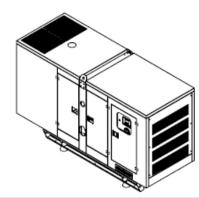
kVA kW Ampere kVA kW A	Prime Power (PRP)			(ESP)	andby Power	Sta	Maltana
Δ00/231 <b>1540 kVΔ</b> 1232kW 2225 <b>1400 kVΔ</b> 1120 kW	Ampere	kW	kVA	Ampere	kW	kVA	Voltage
	2023	1120 kW	1400 kVA	2225	1232kW	1540 kVA	400/231

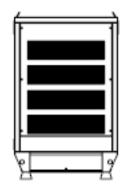
**Standby Power (ESP) :** This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure. No overload is permitted.

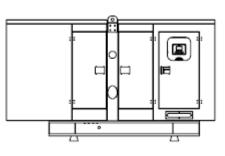
**Prime Power (PRP) :** This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

## Weight And Dimensions

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	2200x5400x2580 mm	10050 kg	2000 lt	ТВА
Soundproofed	2270x9000x2650 mm	14100 kg	2000 lt	ТВА









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### Engine



Frequency		50 Hz		
Output Rating	kW	1383		
Manufacturer and Model		CUMMINS - KTA50-G8		
Fuel		Diesel		
Injection		Direct		
Aspiration		Turbocharged & Aftercooled		
Cylinders		16 Cylinders - V Type		
Bore and Stroke	mm	158 X 158		
Displacement	lt	50		
Cooling		Water		
Engine Oil Specification		SAE 15W40		
Engine Oil Capacity	lt	204		
Coolant Capacity (incl.radiator)	lt	240		
Governor		Electronic		
Air Filter		Dry element		
FUEL CONSUMPTION				
100 % Load	lt/h	289		
75 % Load	lt/h	222		
50 % Load	lt/h	155		
AIR SYSTEM				
Intake Air Flow	m³/min	2 <mark>8,</mark> 8		
STARTING SYSTEM				
Battery Capacity	Ah	4x150		
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



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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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