## POWER IS OUR WORLD

### **About Product**

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**

Voltage	Standby Power (ESP)			Prime Power (PRP)		
	kVA	kW	Ampere	kVA	kW	Ampere
400/231	38,5 kVA	30,8kW	55	35 kVA	28 kW	50

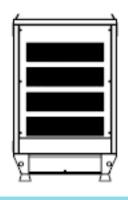
**Standby Power (ESP):** This rating is for the supply of continuous electrical power at variable load, in the event of utility power failure. No overload is permitted.

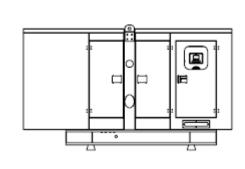
**Prime Power (PRP):** This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

## **Weight And Dimensions**

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	900x1750x1350 mm	765 kg	110 lt	ТВА
Soundproofed	900x2400x1550 mm	995kg	110 lt	TBA







# **IDE**

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# Engine



Frequency		50 Hz		
Output Rating kW		31		
Manufacturer and Model		CUMMINS - X3.3-G1		
Fuel		Diesel		
Injection		Direct		
Aspiration		Naturally Aspirated		
Cylinders		4		
Bore and Stroke	mm	91.4×127		
Displacement It		3,3		
Cooling	Water			
Engine Oil Specification		SAE 15W40		
Engine Oil Capacity	lt	8		
Coolant Capacity (incl.radiator)	lt	11		
overnor Mechanical		Mechanical		
Air Filter	Dry element			
FUEL CONSUMPTION				
100 % Load	lt/h	8,5		
75 % Load	lt/h	6,1		
50 % Load	lt/h	4,3		
AIR SYSTEM				
Intake Air Flow	m³/min	1 <mark>,7</mark> 6		
STARTING SYSTEM				
Battery Capacity	Ah	1x60		
Auxiliary Voltage	V	12		

# **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





#### **POWER IS OUR WORLD**

#### **Control Panel IDP300**

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

**INDUSTRIAL RANGE** 

DATASHEET

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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