

## **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.

**INDUSTRIAL RANGE** 

**DATASHEET** 



# **Power Output Values**

Voltage	Sta	Standby Power (ESP)			Prime Power (PRP)		
	kVA	kW	Ampere	kVA	kW	Ampere	
400/231	880 kVA	704kW	1271	800 kVA	640 kW	1156	

**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.

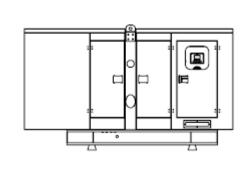
**Prime Power (PRP):** This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

# **Weight And Dimensions**

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	2100x4200x2550 mm	5900 kg	1500 lt	ТВА
Soundproofed	2100x5400x3160 mm	8100kg	1500 lt	TBA









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# **IDE**

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# **Engine**



Frequency		50 Hz		
Output Rating	kW	739		
Manufacturer and Model		CUMMINS - QSK23-G3		
Fuel		Diesel		
Injection		Direct		
Aspiration		Turbocharged & Aftercooled		
Cylinders		6		
Bore and Stroke	mm	170 X 170		
Displacement	lt	23,15		
Cooling		Water		
Engine Oil Specification		SAE 15W40		
Engine Oil Capacity	lt	103		
Coolant Capacity (incl.radiator)	lt	120		
Governor		Electronical		
Air Filter		Dry element		
FUEL CONSUMPTION				
100 % Load	lt/h	161		
75 % Load	lt/h	121		
50 % Load	lt/h	85		
AIR SYSTEM				
Intake Air Flow	m³/min	1 <mark>3,</mark> 5		
STARTING SYSTEM				
Battery Capacity	Ah	<mark>2x150</mark>		
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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#### **Control Panel IDP300**

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

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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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