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	1110 kVA	888 kW	1604	1030 kVA	824 kW	1448,5	

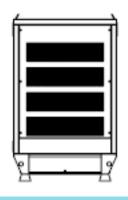
Standby Power (ESP): This rating is for the supply of continuous electrical power at variable load, in the event of utility power failure. No overload is permitted.

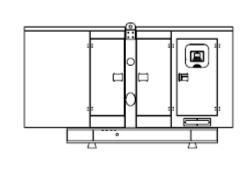
Prime Power (PRP): This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Weight And Dimensions

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @1mt
Open	2300x5200x2985 mm	6950 kg	1500	TBA
Soundproofed	2300x5200x3285 mm	12090 kg	1500	87











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Engine



Frequency		50 Hz		
Output Rating	kW	924		
Manufacturer and Model		Perkins 4008-TAG2A		
Fuel		Diesel		
Injection		Direct		
Aspiration		Turbocharged and Aircooled		
Cylinders		8		
Bore and Stroke	mm	160 x 190		
Displacement	lt	30,561		
Cooling		Water		
Engine Oil Specification		SAE 15W40		
Compression Ratio		13,6:1		
Engine Oil Capacity	lt	149		
Coolant Capacity (incl.radiator)	lt	143		
Governor		Electronical		
Air Filter		Dry element		
FUEL CONSUMPTION				
100 % Load	lt/h	220		
75 % Load	lt/h	160		
50 % Load	lt/h	108		
EXHAUST SYSTEM				
Maximum Temperature	°C	440		
Exhaust Gas Flow	m³/min	1 <mark>83</mark>		
Maximum Allowed Back Pressure	kPA	TBA		
Exhaust Flange Size (Internal Dia.)	mm	152		
AIR SYSTEM				
Intake Air Flow	m³/min	74		
Total Cooling Air Flow	m³/min	870		
STARTING SYSTEM		▼		
Starter Motor	kW	8,2		
Battery Capacity	Ah	2x150		
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.

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.

