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

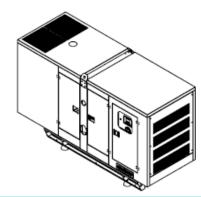
kVA kW Ampere kVA kW Ar		Prime Power (PRP)			Standby Power (ESP)			Velhere
Δ00/231 1313 kVΔ 1050 kW 1897 1193 5 kVΔ 955 kW 1	npere	N I	kW	kVA	Ampere	kW	kVA	Voltage
	24,5	kW	955 kW	1193,5 kVA	1897	1050 kW	1313 kVA	400/231

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.

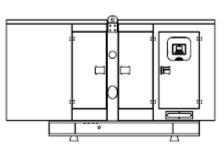
Prime Power (PRP) : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Weight And Dimensions

Width x Length x Height Type (mm)		Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	2400x5900x2450 mm	9600 kg	1500 lt	ТВА
Soundproofed	2400x7250x2750 mm	14450 kg	1500 lt	90









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Engine

Frequency		50 Hz
Output Rating	kW	1221
Manufacturer and Model		DAEWOO 12DWG-1390
Fuel		Diesel
Injection		Direct
Aspiration		Turbo Charged & Intercooled
Cylinders		12
Bore and Stroke	mm	170 x 195
Displacement	lt	53,1
Cooling		Water
Engine Oil Specification		SAE 15W40
Compression Ratio		13,5:1
Engine Oil Capacity(Sump Only)	lt	180
Coolant Capacity (incl.radiator)	lt	280
Governor		Electronical
Air Filter		Dry element
FUEL CONSUMPTION		
100 % Load	lt/h	252
75 % Load	lt/h	191
50 % Load	lt/h	133
EXHAUST SYSTEM		
Maximum Temperature	°C	ТВА
Exhaust Gas Flow	m³/min	3 <mark>05</mark>
Maximum Allowed Back Pressure	kPA	TBA
Exhaust Flange Size (Internal Dia.)	mm	220
AIR SYSTEM		
Intake Air Flow	m³/min	122
Total Cooling Air Flow	m³/min	TBA
STARTING SYSTEM		V
Starter Motor	kW	13
Battery Capacity	Ah	2x200
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

50 Hz Diesel Generator Set

IDJ1315DW

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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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