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

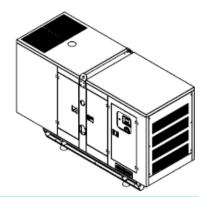
kVA kW Ampere kVA kW		Sta	Standby Power (ESP)			Prime Power (PRP)		
	Voltage	kVA	kW	Ampere	kVA	kW	Ampere	
400/231 230 kVA 184 kW 332 207 kVA 165,5	400/231	230 kVA	184 kW	332	207 kVA	165,5 kW	299	

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.

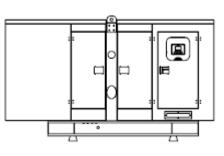
Prime Power (PRP) : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Weight And Dimensions

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	1300x3000x1800 mm	1830 kg	400 lt	ТВА
Soundproofed	1300x4000x2100 mm	2315 kg	400 lt	79









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Engine

DAEWOO

Frequency		50 Hz		
Output Rating	kW	206		
Manufacturer and Model		DAEWOO 6DWD-235A		
Fuel		Diesel		
Injection		Direct		
Aspiration		Turbo Charged & Intercooled		
Cylinders		6		
Bore and Stroke	mm	126 x 130		
Displacement	lt	9,726		
Cooling		Water		
Engine Oil Specification		SAE 15W40		
Compression Ratio		16:1		
Engine Oil Capacity(Sump Only)	lt	28		
Coolant Capacity (incl.radiator)	lt	ТВА		
Governor		Electronical		
Air Filter		Dry element		
FUEL CONSUMPTION				
100 % Load	lt/h	47,5		
75 % Load	lt/h	33		
50 % Load	lt/h	24		
EXHAUST SYSTEM				
Maximum Temperature	°C	ТВА		
Exhaust Gas Flow	m³/min	3 <mark>2</mark> ,6		
Maximum Allowed Back Pressure	kPA	6		
Exhaust Flange Size (Internal Dia.)	mm	89		
AIR SYSTEM				
Intake Air Flow	m³/min	16,6		
Total Cooling Air Flow	m³/min	346		
STARTING SYSTEM		Y		
Starter Motor	kW	7,5		
Battery Capacity	Ah	2x82		
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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İstanbul Deri O.S.B. Sama Cd. (12.Yol) No:7 TUZLA / İSTANBUL Tel : +90 216 313 42 77 I Fax : +90 216 313 42 79 www.ideajenerator.com I info@ideajenerator.com

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INDUSTRIAL RANGE DATASHEET

50 Hz Diesel Generator Set

IDJ230DW

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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.

