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

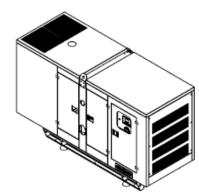
Voltage	Sta	Standby Power (ESP)			Prime Power (PRP)		
	kVA	kW	Ampere	kVA	kW	Ampere	
400/231	1250 kVA	1000 kW	1806	1150 kVA	920 kW	1661	
		_					

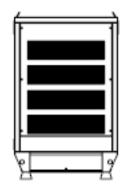
Standby Power (ESP) : This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure. No overload is permitted.

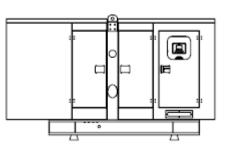
Prime Power (PRP) : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Weight And Dimensions

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @1mt
Open	2300x4450x2450 mm	4450 kg	1500 lt	-
Soundproofed	2300x5900x2750 mm	8100 kg	1500 lt	89









90 216 313 42 77 info@ideajenerator.com

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IDEA Makina İmalat Sanayi Tic. Ltd. Şti. istanbul Deri O.S.B. Sama Cd. (12.Yol) No:7 TUZLA / ISTANBUL

Tel : +90 216 313 42 77 I Fax : +90 216 313 42 79 www.ideajenerator.com I info@ideajenerator.com



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Baudouin

Engine

Frequency		50 Hz		
Output Rating	kW	1108		
Manufacturer and Model		Baudouin 12M33G1250/5		
Fuel		Diesel		
Injection		Direct		
Aspiration		Turbocharged and Aftercooled		
Cylinders		12 V		
Bore and Stroke	mm	150 x 185		
Displacement	lt	39,2		
Cooling		Water		
Engine Oil Specification		SAE 15W40		
Compression Ratio		15:1		
Engine Oil Capacity(Sump Only)	lt	155		
Coolant Capacity (incl.radiator)	lt	188		
Governor		Electronic		
Air Filter		Dry element		
FUEL CONSUMPTION				
100 % Load	lt/h	236,2		
75 % Load	lt/h	175		
50 % Load	lt/h	119,5		
EXHAUST SYSTEM				
Maximum Temperature	°C	750		
Exhaust Gas Flow	m³/min	212		
Maximum Exhaust Back Pressure	mBar	75		
Exhaust Flange Size (Internal Dia.)	mm	200		
AIR SYSTEM	7			
Intake Air Flow	m³/min	74,1		
Air Intake Temperature Rise	°C	<5		
STARTING SYSTEM		Y		
Starter Motor	kW	10		
Battery Capacity	Ah	2x180		
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



INDUSTRIAL RANGE DATASHEET

IDJ1250B

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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.

