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

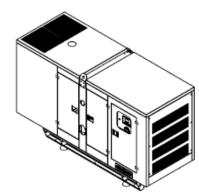
Voltage	Sta	Standby Power (ESP)			Prime Power (PRP)		
	kVA	kW	Ampere	kVA	kW	Ampere	
400/231	1400 kVA	1120 kW	2023	1250 kVA	1000 kW	1806	
				_			

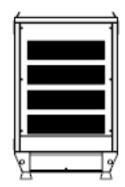
Standby Power (ESP) : This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure. No overload is permitted.

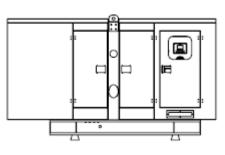
Prime Power (PRP) : This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

Weight And Dimensions

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @1mt
Open	2400x5900x2450 mm	9600 kg	1500 lt	-
Soundproofed	2400x7250x2750 mm	14000 kg	1500 lt	90









90 216 313 42 77 info@ideajenerator.com

REV NO:2020-00

IDEA Makina İmalat Sanayi Tic. Ltd. Şti. istanbul 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



POWER IS OUR WORLD

Engine

Frequency		50 Hz	
Output Rating	kW	1210	
Manufacturer and Model		Baudouin 12M33G1400/5	
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	258,6	
75 % Load	lt/h	190,7	
50 % Load	lt/h	129,2	
EXHAUST SYSTEM			
Maximum Temperature	°C	750	
Exhaust Gas Flow	m³/min	237	
Maximum Exhaust Back Pressure	mBar	75	
Exhaust Flange Size (Internal Dia.)	mm	200	
AIR SYSTEM			
Intake Air Flow	m³/min	82,1	
Air Intake Temperature Rise	°C	<5	
STARTING SYSTEM		Y	
Starter Motor	kW	10	
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		



+90 216 313 42 77 info@ideajenerator.com IDEA Makina İmalat Sanayi Tic. Ltd. Şti.

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

REV NO:2020-00



INDUSTRIAL RANGE DATASHEET

IDJ1400B

POWER IS OUR WORLD

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.

