## **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**

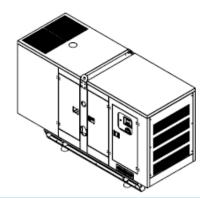
Voltage	Sta	Standby Power (ESP)			Prime Power (PRP)		
	kVA	kW	Ampere	kVA	kW	Ampere	
400/231	25 kVA	20 kW	36	22,5 kVA	18 kW	32,5	

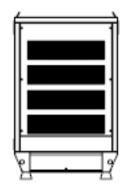
**Standby Power (ESP) :** This rating is for the supply of continuous electrical power at variable load , in the event of utility power failure. No overload is permitted.

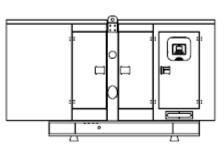
**Prime Power (PRP) :** This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

## Weight And Dimensions

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	900x1450x1100 mm	560 kg	60 lt	-
Soundproofed	900x2100x1185 mm	770 kg	60 lt	77









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 / 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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# Engine



Frequency		50 Hz	
Output Rating	kW	25	
Manufacturer and Model		Baudouin 4M06G4D0/S - 4M06G25/5	
Fuel		Diesel	
Injection		Direct	
Aspiration		Naturally Aspirated	
Cylinders		4	
Bore and Stroke	mm	89 x 92	
Displacement	lt	2,3	
Cooling		Water	
Engine Oil Specification		SAE 15W40	
Compression Ratio		17,5:1	
Engine Oil Capacity(Sump Only)	lt	9,5	
Coolant Capacity (incl.radiator)	lt	16	
Governor		Electronic	
Air Filter		Dry element	
FUEL CONSUMPTION			
<u>100 % Load</u>	lt/h	6,1	
75 % Load	lt/h	4,5	
50 % Load	lt/h	3,2	
EXHAUST SYSTEM			
Maximum Temperature	°C	700	
Exhaust Gas Flow	m³/min	5 <mark>,3</mark> 2	
Maximum Exhaust Back Pressure	mBar	80	
Exhaust Flange Size (Internal Dia.)	mm	50	
AIR SYSTEM			
Intake Air Flow	m³/min	1,44	
Air Intake Temperature Rise	°C	<5	
STARTING SYSTEM		Y	
Starter Motor	kW	3	
Battery Capacity	Ah	60	
Auxiliary Voltage	V	12	

#### 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

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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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