

#### **POWER IS OUR WORLD**

#### **About Product**

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**

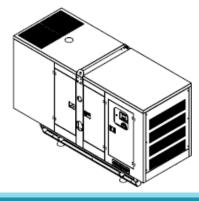
Voltage	Standby Power (ESP)			Prime Power (PRP)		
	kVA	kW	Ampere	kVA	kW	Ampere
400/231	1678 kVA	1342 kW	2424,5	1522 kVA	1217,5 kW	2199

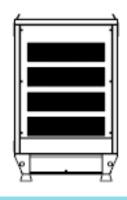
**Standby Power (ESP):** This rating is for the supply of continuous electrical power at variable load, in the event of utility power failure. No overload is permitted.

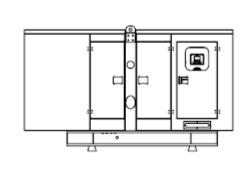
**Prime Power (PRP):** This rating is for the supply of continuous electrical power at variable load. There is no limitation on the annual hours in operation and 10% overload power can be supplied for 1 hour in 12.

# **Weight And Dimensions**

Туре	Width x Length x Height (mm)	Weight (kg)	Fuel Tank (Lt)	Sound dB(A) @7mt
Open	2400x5900x2450 mm	10280kg	2000 lt	ТВА
Soundproofed	2400x7250x2750 mm	15130kg	2000 It	91







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## **POWER IS OUR WORLD**

# **Engine**

**IDE** 



Frequency		50 Hz	
Output Rating	kW	1466	
Manufacturer and Model		DAEWOO 12DWG-1665	
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	302	
75 % Load	lt/h	227	
50 % Load	lt/h	160	
EXHAUST SYSTEM			
Maximum Temperature	°C	ТВА	
Exhaust Gas Flow	m³/min	3 <mark>6</mark> 6	
Maximum Allowed Back Pressure	kPA	TBA	
Exhaust Flange Size (Internal Dia.)	mm	220	
AIR SYSTEM			
Intake Air Flow	m³/min	146,3	
Total Cooling Air Flow	m³/min	TBA	
STARTING SYSTEM		Ψ	
Starter Motor	kW	13	
Battery Capacity	Ah	4x220	
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



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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.

