

GENERATING RATES

SERVICE		PRIME	STANDBY
Power	kVA	140	155
Power	kW	112	124
Rated Speed	r.p.m.	1500)
Standard Voltage	V	400	
Available Voltages	V	230 - 230/132 - 400/230 V	
Rated at Power Factor	Cos Phi	0,8	

EUROGEN Company with quality certification ISO 9001

EUROGEN gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2006/95/EC Low voltage.
- 2004/108/CE Electromagnetic compatibility.
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- EN 12100, EN 13857, EN 60204
- Ambient conditions of reference according to ISO 8528-1:2005 normative: 1000 mbar, 25°C, 30% relative humidity.

Prime Power (PRP):

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

Emergency Standby Power (ESP):

According to ISO 8528-1:2005, Émergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals

and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

EUROGEN HEADQUARTERS:

Factory: Büyükdikili Mah. 93015 Sok. No:1/1 (Adana-Mersin Yolu Üzeri 15. Km. Bossa Karşısı) Seyhan / ADANA / TURKEY









ENGINE SPECIFICATIONS 1500 r.p.m.

Rated Output		Prime	Standby
	kW	128	142

Make	LEYLAND
Model	AL6DTIG3
Engine Type	Diesel 4 strokes-cycle
Number of Cylinder	6
Cylinder arrangement	In line
Aspiration	Turbocharged
Compression ratio	17,5:1
Bore and Stroke	104 x 113
Displacement	5,7
Cooling system	Water Cooled
Total coolant capacity	25
Total lubrication	16
Governor type	Electronic
Electric system	12 VDC
	Model Engine Type Number of Cylinder Cylinder arrangement Aspiration Compression ratio Bore and Stroke Displacement Cooling system Total coolant capacity Total lubrication Governor type

Engine Dimension and Weight

Lenth x Width x Height	1605 x 1030 x 1203	mm
Weight	600	Kg







GENERATOR

Winding Conections (standard) Frame Mounting Star-se	
	"1/2
In a violation Class	
Insulation Class H o	class
Enclosure (according IEC-34-5) Num	IP23
Exciter System self-excited, brush	ıless
Voltage Regulator A.V.R. (Electro	onic)
Bearing Single bea	aring
Coupling	disc
Coating type Standard (Vacuum impregna	tion)

APPLICATION DATA

Exhaust System		
Maximum Exhaust Temperature	°C	550
Maximum Allowable Back Pressure	kPa	7
Air Inlet System		
Alternator fan air flow	m³/s	0,242
Starting System		
Starting Motor	kW	3
Recommended Battery Capacity	Ah	150
Auxiliary Voltage	Vcc	12
Fuel System		
Fuel Oil Specifications		Diesel
Fuel Tank Capacity	Lt	335
Fuel Consumption :		
Fuel Consumption 50% Loaded	Lt/h	15
Fuel Consumption 75% Loaded	Lt/h	21,5





GENERATING SETS STANDARD and OPTIONAL FEATURES

Engine

- Diesel engine
- 4 strokes-cycle
- Water cooled
- 12 V electrical system
- Radiator with blowing fan
- Water separator decanting fitler (no visible level)
- Mechanical / Electronic governor
- Sender WT
- Senders OP
- Dry air cleaner
- Hot components and radiator guards
- Mobile components guards

Optional: Low water level sensor

Alternator

- VDE 0530 & IEC 34-1 standardizations
- Synchron type brushless
- Automatic voltage regulation (AVR)
- Overload acceptance: 110% for 1 hour, 150% for 2 minutes
- Short circuit resistance: 300 for 10 seconds
- Insulation class: H
- Insulation resistance: 1800 VAC
- Voltage: 230/400 V 3 phase
- Voltage regulation: +/- 0,5%
- Protection class: IP23
- Power factor (cosq): 0,8
- Frequency: 50 Hz







Chassis

- Mounted on the steel base chassis
- Elastic vibration dampers between engine and chassis
- Chassis integrated fuel tank
- Dial type mechanical fuel indicator

Canopy

- Easy lifting and moving
- Metal parts are coated with electrostatic polyester coated, powder painted
- Thermally insulated exhaust system

Automatic Control Panel

- Microprocessed AMF Electronic Control Panel
- Protection fuses
- Battery charger
- Power transfer (For ATS)
- Emergency stop button



Manuel Control Panel

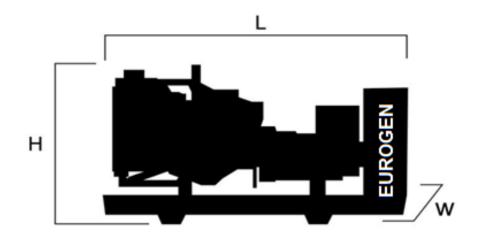
- Microprocessed Electronic Control Panel
- Relays
- Protection fuses
- Thermic magnetic circuit breaker (TMS) 3-pole
- Emergency stop button







GENSET DIMENSIONS



Open Type Dimension and Weight

Lenth x W idth x H eight	2400 x 1100 x 1650	mm
Weight	1300	Kg

(*) (with standard accesories)

Canopy Type Dimension and Weight

Lenth x Width x Height	3300 x 1100 x 1800	mm
Weight	1740	Kg

^{(*) (}with standard accesories)

Eurogen reserves the right to modify any characteristic without prior notice.

Weights and dimensions based on products standar. Illustrations may include optional equipment. Technical data described here correspond with the available information at the moment of printing. Industrial design under patent.

Local

