

# DIESEL Generator Set



Service		Standby	Prime		
Power	kVA	159	138		
Frequency	Hz	50			
Voltage	V	230/400			
Phase	Cos Phi	3			
Fuel		Die	sel		
Control Panel		Datako			
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ENMAKSAN has ISO 9001, ISO 14001 and OHSAS 18001 quality certifications. ENMAKSAN gensets are compliant with EC mark which includes the following directives:

• 2006/42/CE Machinery safety.

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- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2002/88/EC & 2004/26/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. G2 class load acceptance in accordance with ISO 8528-5:2013



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### ENGINE

Service	Specifications			
Engine Brand	LISTER PETTER			
Engine Model	LP665EG1			
Model Series	Venüs Max			
Emission	Stage III			
Fuel Type	4 Stroke – Diesel			
Injection Type and System	Indirect injection			
Aspiration	Turbo Charge & Air-Air Inter-			
Governor System	FCU			
Number of Cylinders	6			
Bore x Stroke	105×124 mm			
Total Displacement	6,5 lt.			
Cooling System	Water Cooled			
Compression Ratio	16:01			
Fuel Consumption 50% PRP	15 lt/s			
Fuel Consumption 75% PRP	22,30 lt/s			
Fuel Consumption 100 % PRP	29,80 lt/s			
Fuel Consumption Standby	33,40 lt/s			
Total oil capacity	17,5 lt.			
Total coolant capacityTotal coolant capacity	42 lt.			



### **ALTERNATOR**

Service	Specifications		
No of Phases	3		
Power Factor	0,8		
No of Bearings	Single		
No of Poles	4		
No of Leads	6-12		
Insulation Class	Н		
Degree of Protection	IP23		
Excitation System	AVR		

### OPTIONAL ALTERNATOR MODELS

#### maranello alternator

M159

### **Standard Generator Features**

- Heavy duty water cooled diesel engine and brushless alternator
- Solid steel base frame with minimum 8 hours base tank and anti-vibration mountings
- AMF Control panel with digital-automatic main control module
- 50C Tropical radiator
- Battery charge redressor. Lead acid battery
- Residencial type silencer
- Flexible exhaust compensator
- Block water heater unit
- All rotating parts are covered by metal mesh against damages
- · Engine and alternator manufacturer test reports (if provided )
- Factory load, performance and function tests
- User Manual, Electrical Drawing and Gurantee certificate

#### Note

All data based on operation to ISO 3046/1, BS 5514 and DIN 6271 standard reference conditions.

### 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, Emergency 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.



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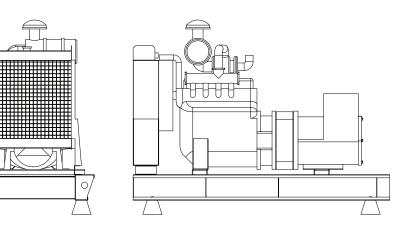
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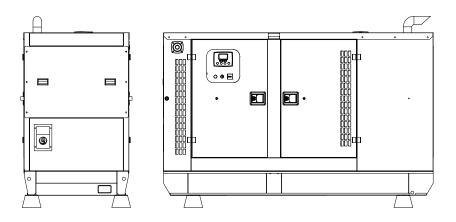


### **DIMENSIONS**



#### **OPEN TYPE**

LxWxH	mm	2460x1100x1740
Weight	kg	1500
Fuel Tank Capacity	lt	320



#### CANOPIED

LxWxH	mm	2980x1100x2000
Weight	kg	1860
Fuel Tank Capacity	lt	320

#### **Sound Proof Canopy Specifications**

- Special design for minimizing acoustic level
- · Galvanized steel construction further protected by polyester powder coat paint
- Black finish stainless steel locks and hinges
- Control panel viewing window in a lockable access door
- · Emergency stop push button (red) mounted on enclosure exterior
- Lifting, drag and jacking points on base frame
- Radiator fill via removable, flush mounted rain cap fitted with compression seal



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## **OPTIONAL GENSET CONTROLLERS**

Next generation single gen-set controllers for Stand-by and Prime power applications combining multi-functionality and wide communication with EFI engines.



	Datakom SMART 200	Datakom D500	Datakom D500-GSM	Deepsea 6120	Deepsea 7320	ComAp AMF25	EMKO Trans-AUTO
Automatic Mains Monitoring	✓	✓	✓	✓	✓	✓	✓
Manuel Start	✓	✓	✓	✓	✓	✓	✓
Remote Start	OPTIONAL	OPTIONAL	✓	X	OPTIONAL	OPTIONAL	OPTIONAL
Remote Monitoring With Sim Card	Х	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
1 Adıtıonal Option (Horn, Oil-Fuel Heater Etc.)	✓	✓	✓	✓	✓	✓	✓
Light Warning And Mimic Diagram	✓	✓	✓	✓	✓	✓	✓
Battery Charger	✓	✓	✓	✓	✓	✓	✓
Rs-485 Communication	OPTIONAL	✓	✓	Х	✓	OPTIONAL	✓
Ethernet (Tcp-Ip) Communication	Х	✓	✓	Х	OPTIONAL	OPTIONAL	OPTIONAL

#### **GENSET CONTROLLERS FOR SYNCHRONIZATION SYSTEMS**

Next generation synchronizing genset controller capable of every communication and functionality.

Datakom D500 MK2



DEEPSEA 8660



Datakom D700



ComAp InteliCompact NT SPtM



DEEPSEA 8610



ComAp InteliGen BaseBox



DEEPSEA 8620



ComAp InteliGen 200





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