



MAN

ALMMN SERIES 510-1000 kVA

STANDARD SPECIFICATIONS

› Diesel Engine

- Oil pressure, temperature sensor
- Electronic or mechanic governor
- Exhaust gases compensator and industrial type silencer
- Radiator with mechanical fan
- Protective grille for fan and rotating parts
- Standard air, oil, fuel filter
- Starting battery (with lead aid) including rack and cables
- Engine jacket water heater

› AC Generator

- Three-phase brushless
- 4 pole alternator
- Short circuit current > 300%

› Chassis

- Steel chassis
- Fuel tank integrated in the chassis
- Anti-vibration shock absorbers
- Hoisting points reinforced for crane lifting
- Robust construction designed for continuous and emergency applications

› Canopy

- Soundproof insulation made of high density material
- High mechanical resistance
- Low level of sound emissions
- Door with window to visualize control panel, alarms and measurements
- Emergency stop button
- Easy access to the power connection

› Control System

- Automatic control module
- SMPS static battery charger
- Relays and fuses
- Emergency stop button

› Alimar Intellite AMF 25 Specifications

- Event and Performance Log + RTC**
Flexible event based history with up to 119 events
Reason, Running Hours + all important values are stored

User Interface

- Graphic 128 x 64 pixels display
- Wide range of languages in package

EFI Engine Support

- Engine specific J 1939 for all major manufacturers

Miscellaneous Features

- Fuel theft protection
- Alternative configuration (50Hz/60Hz)

SMS/E-mails

- SMS commands
- E-mails
- Alarm and event SMS

Communication Interfaces

- Optional RS232, RS485 (including Modem support) or USB plug-in interface
- Modbus RTU/TCP (requires RS485 interface/IB-Lite)
- Optional Internet/Ethernet via IB-Lite
- On-line control and monitoring over web pages (embedded web server) via IB-Lite
- Optional GSM modem/wireless Internet via IL-NT GPRS

› Optional Equipment

Engine

- Fuel - water separator filter
- Oil heater
- Remote radiator

Alternator

- Anti-condensation heater
- Main line circuit breaker

Control System

- Automatic synchronizing and power control system (multi gen-set parallel)
- Parallel system with mains
- Automatic or manual fuel filling system

Other Accessories

- Electrical oil drain pump
- Residential silencer
- Trailer
- Main fuel tank
- Automatic transfer switch
- Seismic isolator
- Coolant level

› Quality Certificates

- TSE CERTIFICATE
- AFTER-SALES QUALIFICATION CERTIFICATE
- INDUSTRIAL REGISTRY
- ISO 9001:2008
- ISO 14001:2004
- ISO 8528
- ISO 9046
- IEC 60034
- OHSAS 18001
- BRAND REGISTRY
- BS4999/5000
- VDE 0530

MAN

ALMMN SERİSİ

510-1000 kVA



DIESEL GENERATOR TECHNICAL SPECIFICATIONS

DIESEL GENERATOR SET - 50 Hz 1500rpm 400/230V

Group

Model		ALMMN510	ALMMN630	ALMMN700	ALMMN730	ALMMN825	ALMMN1000
Power ESP	kWe/kVA	408/510	504/630	560/700	584/730	660/825	800/1000
Power PRP	kWe/kVA	370/463	457/572	504/630	530/663	600/750	728/910
Power Factor	cosφ	0,8	0,8	0,8	0,8	0,8	0,8

Diesel Engine (4 Stroke - Cycle Water Cooled)

Manufacturer	MAN						
Model		D2676LE223	D2840LE203	D2840LE213	D2842LE203	D2842LE213	D2862LE223
Gross Engine Power	kWm	440	545	610	633	702	880
Cylinder Arrangement		6L	10V	10V	12V	12V	12V
Displacement	lt	12,42	18,27	18,27	21,927	21,927	24,2
Bore x Stroke	mm	126x166	128x142	128x142	128x142	128x142	128x157
Compression Ratio		15,5:1	15,5:1	15,5:1	15,5:1	15,5:1	17,0:1
Aspiration*		TC, IC	TC, IC	TC, IC	TC, IC	TC, IC	TC, IC
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Starting Voltage	VDC	24	24	24	24	24	24
Lubricating Oil Capacity	lt	40	30	32	32	32	90
Total Coolant Capacity	lt	58	86	101	98	98	117

Fuel Consumption

%100 PRP	g/kWh	196	196	205	195	202	194

AC Generator

Phase/Pole	3/4						
Control System	Self Excited, Brushless						
Voltage Regulator	A,V,R, (Electronic)						
Voltage Regulation	±%1						
Insulation	Class H						
Protection	IP23						
Winding Connection	Star						
Winding Pitch	2/3						
Bearing	Single						

Dimensions

Overall Dimensions (Without Canopy)							
Width	mm	1250	1600	1600	1600	1650	1650
Length	mm	3400	3200	3200	3200	3500	3800
Height	mm	2164	2260	2260	2260	2300	2300
Weight (dry)	kg	3000	3750	4300	4300	5080	5800
Fuel Tank Capacity	lt	579	730	730	730	687	860
Overall Dimensions (With Canopy)							
Width	mm	1600	1800	1800	1800	1800	1800
Length	mm	3900	3900	3900	3900	4200	4400
Height	mm	2310	2310	2310	2310	2410	2410
Weight (dry)	kg	4200	4400	5600	5700	6480	7000
Fuel Tank Capacity	lt	700	866	866	866	887	1097,5

*TC: Turbocharged, IC: Intercooler, AC: Aftercooler, NA: Natural Aspiration

Stand-by: Code: ESP

Applicable for supplying emergency power at varying load in the event of the normal utility power interruption.
Overload: Not allowed

Prime: Code: PRP

Applicable for supplying emergency power at varying load in the event of the normal utility power interruption.
Overload: %10 allowed

ALIMAR reserves the right to modify any characteristic without prior notice.
Dimensions based on products standart. Illustrations may include equipments.
Technical data described here correspond with the available information at the moment of printing.
Industrial design under patent.

alimar
GENERATOR

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