



MITSUBISHI

ALMMH SERIES
8 - 2500 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

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

»» **Group**

Model		ALMMH8,5	ALMMH11	ALMMH16	ALMMH23	ALMMH35	ALMMH45	ALMMH52	ALMMH66	ALMMH77	ALMMH105
Power ESP	kWe/kVA	7/8,5	9/11	13/16	18,4/23	28/35	36/45	41,6/52	52,8/66	61,6/77	84/105
Power PRP	kWe/kVA	6/7,5	8/10	11/14	16/20	25,6/32	32/40	36,8/46	48/60	56/70	76/95
Power Factor	cosφ	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8

»» **Diesel Engine (4 Stroke - Cycle Water Cooled)**

Manufacturer	MITSUBISHI										
Model		L3E	S3L2	S4L2	S4Q2	S4S	S4S-DT	S4K	S4K-T	S6K	S6K-T
Gross Engine Power	kWm	7,5	11	15,4	22,4	31,6	41,2	46,7	59,7	70,5	89,7
Cylinder Arrangement		3L	3L	4L	4L	4L	4L	4L	4L	6L	6L
Displacement	lt	0,952	1,318	1,758	2,505	3,331	3,331	4,249	4,249	6,373	6,373
Bore x Stroke	mm	76x70	78x92	78x92	88x103	94x120	94x120	102x130	102x130	102x130	102x130
Compression Ratio		23,0:1	22,0:1	22,0:1	22,0:1	22,0:1	17,0:1	17,0:1	17,0:1	17,0:1	17,0:1
Aspiration*		NA	NA	NA	NA	NA	TC	NA	TC	NA	TC
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Starting Voltage	VDC	12	12	12	12	12	12	24	24	24	24
Lubricating Oil Capacity	lt	3,6	4,2	6	6,5	10	10	13	13	20,5	20,5
Total Coolant Capacity	lt	3,7	4,2	4,9	8,1	8,5	14,1	12	12,7	17,9	18,1

»» **Fuel Consumption**

%100 PRP	g/kWh	280	281	300	260	260	240	245	235	245	230
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»» **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	850	850	850	850	900	900	900	900	900	900
Length	mm	1000	1000	1300	1300	1600	1600	1800	1800	2000	2000
Height	mm	1050	1050	1050	1250	1280	1300	1400	1400	1400	1550
Weight (dry)	kg	333	402	445	525	654	733	904	964	1116	1315
Fuel Tank Capacity	lt	46,2	46,2	54,6	54,6	107,8	107,8	145	145	190	190
Overall Dimensions (With Canopy)											
Width	mm	850	850	950	950	1000	1000	1100	1100	1100	1100
Length	mm	1750	1750	1950	1950	2400	2400	2650	2650	2850	2850
Height	mm	1380	1380	1380	1380	1530	1530	1680	1680	1680	1680
Weight (dry)	kg	720	789	828	924	1208	1279	1609	1669	1964	2163
Fuel Tank Capacity	lt	46,2	46,2	54,6	54,6	107,8	107,8	145	145	190	190



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

Group

Model		ALMMH300	ALMMH350	ALMMH440	ALMMH770	ALMMH850	ALMMH880	ALMMH1000	ALMMH1100	ALMMH1175
Power ESP	kWe/kVA	240/300	280/350	352/440	616/770	680/850	704/880	800/1000	880/1100	940/1175
Power PRP	kWe/kVA	216/270	252/315	320/400	560/700	616/770	640/800	728/910	800/1000	856/1070
Power Factor	cosφ	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8

Diesel Engine (4 Stroke - Cycle Water Cooled)

Manufacturer	MITSUBISHI									
Model		S6B-PTA	S6B-PTA2	S6B3-PTA	S6R2-PTA	S6R2-PTAA	S12A2-PTA	S12A2-PTA2	S12H-PTA	S12H-PTA
Gross Engine Power	kWm	261	301	370	655	710	746	840	1020	1020
Cylinder Arrangement		6L	6L	6L	6L	6L	12V	12V	12V	12V
Displacement	lt	12,88	12,88	14,6	29,96	29,96	33,93	33,93	37,11	37,11
Bore x Stroke	mm	135x150	135x150	135x170	170x220	170x220	150x160	150x160	150x175	150x175
Compression Ratio		15,0:1	15,0:1	14,2:1	14,0:1	14,0:1	14,5:1	15,3:1	14,0:1	14,0:1
Aspiration*		TC,AC	TC,AC	TC,AC	TC,AC	TC,IC	TC,AC	TC,AC	TC,AC	TC,AC
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Starting Voltage	VDC	24	24	24	24	24	24	24	24	24
Lubricating Oil Capacity	lt	50	50	50	100	100	120	120	200	200
Total Coolant Capacity	lt	50	47	74	118	141	215	215	244	244

Fuel Consumption

%100 PRP	g/kWh	217	217	207	205	207	214	214	206	206
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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	1400	1250	1450	1680	1700	1700	2050	2050
Length	mm	3100	2850	3250	3500	4400	4100	4500	4500	4500
Height	mm	1850	1850	1850	1910	1910	2375	2377	2185	2185
Weight (dry)	kg	2357	2665	2897	3850	5827	5950	7250	7320	7540
Fuel Tank Capacity	lt	650	650	630	1215(H)	1500(H)	1500(H)	1500(H)	1815(H)	1815(H)
Overall Dimensions (With Canopy)										
Width	mm	1500	1500	1500	1700	1900	2000	2000	2250	2250
Length	mm	4000	4000	3800	4300	4700	4400	4800	4800	4800
Height	mm	2270	2310	2310	2410	2410	2610	2610	2610	2610
Weight (dry)	kg	3433	3688	4140	4300	7757	7880	9050	9130	9340
Fuel Tank Capacity	lt	793	793	780	1215(H)	1500(H)	1500(H)	1500(H)	1815(H)	1815(H)

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

Group

Model		ALMMH1350	ALMMH1430	ALMMH1550	ALMMH1650	ALMMH1760	ALMMH1915	ALMMH2000	ALMMH2100	ALMMH2250	ALMMH2500
Power ESP	kWe/kVA	1080/1350	1144/1430	1240/1550	1320/1650	1408/1760	1532/1915	1600/2000	1680/2100	1800/2250	2000/2500
Power PRP	kWe/kVA	1008/1260	1040/1300	1128/1410	1200/1500	1320/1650	1400/1750	1520/1900	1500/1875	1500/2000	1800/2250
Power Factor	cosφ	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8

Diesel Engine (4 Stroke - Cycle Water Cooled)

Manufacturer		MITSUBISHI									
Model		S12R-PTA	S12R-PTA	S12R-PTA2	S12R-PTAA2	S16R-PTA	S16R-PTA	S16R-PTA2	S16R-PTA2	S16R-PTAA2	S16R2-PTAW
Gross Engine Power	kWm	1220	1220	1315	1441	1620	1620	1790	1790	1939	2167
Cylinder Arrangement		12V	12V	12V	12V	16V	16V	16V	16V	16V	16V
Displacement	lt	49,03	49,03	49,03	49,03	65,37	65,37	65,37	65,37	65,37	79,9
Bore x Stroke	mm	170x180	170x180	170x180	170x180	170x180	170x180	170x180	170x180	170x180	170x220
Compression Ratio		14,0:1	14,0:1	13,5:1	13,5:1	14,0:1	14,0:1	13,5:1	13,5:1	13,5:1	14,0:1
Aspiration*		TC, AC	TC, AC	TC, AC	TC, IC	TC, AC	TC, AC	TC, AC	TC, AC	TC, AC	TC, IC
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Starting Voltage	VDC	24	24	24	24	24	24	24	24	24	24
Lubricating Oil Capacity	lt	180	180	180	180	230	230	230	230	230	290
Total Coolant Capacity	lt	335	335	305	327	350	350	445	445	413	400

Fuel Consumption

%100 PRP	g/kWh	205	205	212	205	203	203	212	212	203	203
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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	1830	1830	2030	2200	2300	2300	2250	2250	2400	3000
Length	mm	4650	4600	4500	5300	5250	5300	5250	5200	5750	6500
Height	mm	2760	2650	2435	2134	2773	2853	2773	2760	3450	3600
Weight (dry)	kg	7740	10220	10660	10890	11290	12800	13200	13200	14200	18600
Fuel Tank Capacity	lt	2000(H)	2500(H)	2500(H)	2500(H)	3000(H)	3000(H)	3000(H)	3500(H)	3500(H)	4000(H)

Overall Dimensions (With Canopy)

Width	mm	2100	2100	2100	2430	2600	2438(K)	2600(K)	2600(K)	2600(K)	3300(K)
Length	mm	4900	4900	4900	5600	6058	7100(K)	6058(K)	6058(K)	7100(K)	7500(K)
Height	mm	2860	2710	2710	3310	3000	3350(K)	3000(K)	3350(K)	3800(K)	4000(K)
Weight (dry)	kg	9540	12070	12660	12890	13290	15090	15290	15200	16200	21600
Fuel Tank Capacity	lt	2000(H)	2500(H)	2500(H)	2500(H)	3000(H)	3000(H)	3000(H)	3500(H)	3500(H)	4000(H)

*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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