

ALMSD SERIES
77-1000 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
- SMP5 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 × 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

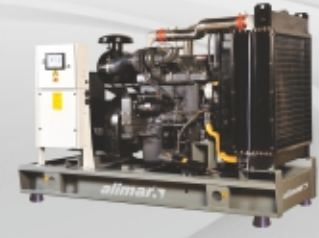
- Electrical oil drain pump
- Residential silencer
- Trailer
- Main fuel tank
- Automatic transfer switch
- Seismic isolator
- Coolant level

› 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



ALMSD SERIES 77-1000 kVA



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

Group

Model		ALMSD77	ALMSD100	ALMSD132	ALMSD150	ALMSD165	ALMSD185	ALMSD200
Power ESP	kWe/kVA	61,6/77	80/100	105/132	120/150	132/165	148/185	160/200
Power PRP	kWe/kVA	56/70	72,8/91	96/120	109/137	120/150	135/169	145/182
Power Factor	cosφ	0,8	0,8	0,8	0,8	0,8	0,8	0,8

Diesel Engine (4 Stroke - Cycle Water Cooled)

Manufacturer	SDEC							
Model		SC4H95D2	SC4H115D2	SC4H160D2	SC4H180D2	SC8D200D	SC8D220D	SC7H230D2
Gross Engine Power	kWm	68	86	116	132	145	160	170
Cylinder Arrangement		4L	4L	4L	4L	6L	6L	6L
Displacement	lt	4,3	4,3	4,3	4,3	8,27	8,27	6,5
Bore x Stroke	mm	105x124	105x124	105x124	105x124	114x135	114x135	105x124
Compression Ratio		17,3:1	17,3:1	16,0:1	16,0:1	18,0:1	18,0:1	16,0:1
Aspiration*		TC	TC	TC, IC	TC, IC	TC, IC	TC, IC	TC, IC
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Starting Voltage	VDC	24	24	24	24	24	24	24
Lubricating Oil Capacity	lt	15	15	15	15	24	24	20
Total Coolant Capacity	lt	26	26	26	26	32	32	46

Fuel Consumption

%100 PRP	g/kWh	204	204	198	198	205	205	193
----------	-------	-----	-----	-----	-----	-----	-----	-----

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)

	mm	900	900	900	900	900	900	900
Width	mm	900	900	900	900	900	900	900
Length	mm	2000	2000	2400	2400	2400	2400	2600
Height	mm	1375	1375	1680	1500	1820	1820	1600
Weight (dry)	kg	1010	1370	1500	1470	1600	1600	1530
Fuel Tank Capacity	lt	190	190	268	268,8	268	268	291

Overall Dimensions (With Canopy)

	mm	1100	1100	1100	1100	1100	1100	1100
Width	mm	1100	1100	1100	1100	1100	1100	1100
Length	mm	2850	2850	3300	3300	3300	3300	3400
Height	mm	1680	1680	1880	1880	1880	1880	1880
Weight (dry)	kg	1650	1900	1930	2000	2686	2686	2100
Fuel Tank Capacity	lt	190	190	268	268,8	268	268	291



ALMSD SERIES
77-1000 kVA

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

Group

Model		ALMSD210	ALMSD220	ALMSD275	ALMSD350	ALMSD400	ALMSD440	ALMSD550
Power ESP	kWe/kVA	168/210	176/220	220/275	280/350	320/400	352/440	440/550
Power PRP	kWe/kVA	153/191	160/200	200/250	254/318	288/360	320/400	400/500
Power Factor	cosφ	0,8	0,8	0,8	0,8	0,8	0,8	0,8

Diesel Engine (4 Stroke - Cycle Water Cooled)

Manufacturer	SDEC							
Model		SC7H250D2	SC9D280D2	SC9D340D2	SC13G420D2	SC12E460D2	SC15G500D2	SC25G610D2
Gross Engine Power	kWm	185	204	250	308	338	363	445
Cylinder Arrangement		6L	6L	6L	6L	6L	6L	12V
Displacement	lt	6,5	8,9	8,9	12,88	11,8	14,16	25,8
Bore x Stroke	mm	105x124	114x135	114x144	135x150	128x153	135x165	135x150
Compression Ratio		16,0:1	18,0:1	16,5:1	16,0:1	17,0:1	15,55:1	16,4:1
Aspiration*		TC, IC	TC, IC	TC, IC	TC, IC	TC, IC	TC, IC	TC, IC
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Starting Voltage	VDC	24	24	24	24	24	24	24
Lubricating Oil Capacity	lt	20	24	27	41	41	41	65
Total Coolant Capacity	lt	46	46	46	56	94	96	105

Fuel Consumption

%100 PRP	g/kWh	193	205	195	200	196	200	202
----------	-------	-----	-----	-----	-----	-----	-----	-----

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)

	mm	900	900	1050	1300	1300	1300	1400
Width	mm	2600	2600	2600	3200	3265	3265	3600
Length	mm	1820	1600	1970	2001	2001	2001	2302,5
Height	kg	1600	1715	2800	3200	3550	3650	4000
Weight (dry)	lt	290	291	165	523,25	572	572	746,7
Fuel Tank Capacity								

Overall Dimensions (With Canopy)

	mm	1100	1100	1250	1500	1500	1500	1700
Width	mm	3400	3400	3700	3800	3800	3800	4100
Length	mm	1880	2020	2070	2270	2310	2310	2410
Height	kg	2790	2840	3700	4300	4620	4720	5275
Weight (dry)	lt	290	291	323	730,2	661,4	661,4	948
Fuel Tank Capacity								



ALMSD SERIES 77-1000 kVA



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

Group

Model		ALMSD600	ALMSD660	ALMSD725	ALMSD770	ALMSD880	ALMSD1000
Power ESP	kWe/kVA	480/600	528/660	580/725	616/770	704/880	800/1000
Power PRP	kWe/kVA	436/545	480/600	527/660	560/700	640/800	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		SDEC					
Model		SC25G690D2	SC27G755D2	SC27G830D2	SC27G900D2	SC33W990D2	SC33W1150D2
Gross Engine Power	kWm	505	555	610	662	726	860
Cylinder Arrangement		12V	12V	12V	12V	6L	6L
Displacement	lt	25,8	26,6	26,6	26,6	32,8	32,8
Bore x Stroke	mm	135x150	135x155	135x155	135x155	180x215	180x215
Compression Ratio		16,0:1	16,0:1	16,0:1	15,0:1	15,0:1	15,0:1
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	65	65	65	65	75	75
Total Coolant Capacity	lt	105	144	144	165	175	175

Fuel Consumption

%100 PRP	g/kWh	202	202	202	207	205	204
----------	-------	-----	-----	-----	-----	-----	-----

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	1500	1450	1450	1450	1800	1800
Length	mm	3600	3700	3700	3800	4350	4350
Height	mm	2302,5	2320	2320	2320	2550	2550
Weight (dry)	kg	4175	4225	4250	4250	5025	5125
Fuel Tank Capacity	lt	746,7	760	760	746	1500(H)	1500(H)

Overall Dimensions (With Canopy)

Width	mm	1700	1800	1800	1800	2000	2000
Length	mm	4100	4200	4200	4400	4900	4900
Height	mm	2410	2410	2410	2410	2710	2710
Weight (dry)	kg	5250	5600	5680	5680	6200	6300
Fuel Tank Capacity	lt	948	990	950	950	1500(H)	1500(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

www.alimar.com.tr