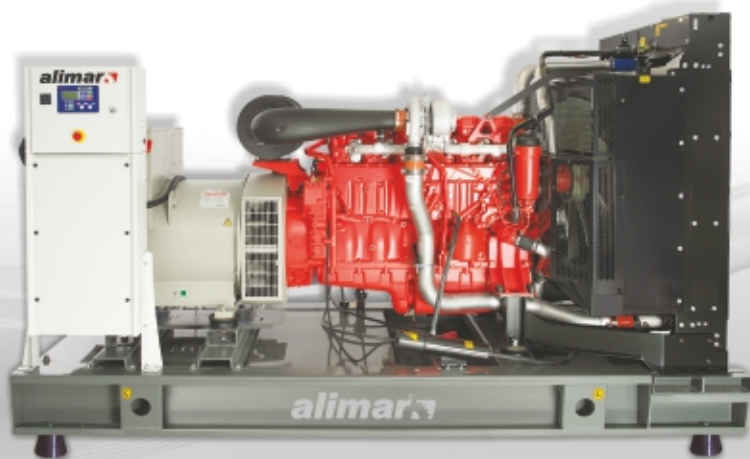




SCANIA

ALMSC SERIES
275-770 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 REGISTRAR
- BS4999/5000
- VDE 0530



DIESEL GENERATOR TECHNICAL SPECIFICATIONS

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

Group

Model		ALMSC275	ALMSC300	ALMSC330	ALMSC360	ALMSC400
Power ESP	kWe/kVA	220/275	240/300	264/330	288/360	320/400
Power PRP	kWe/kVA	200/250	218/272	240/300	261/327	290/363
Power Factor	cosφ	0,8	0,8	0,8	0,8	0,8

Diesel Engine (4 Stroke - Cycle Water Cooled)

Manufacturer		SCANIA				
Model		DC09072A 02-11	DC09072A 02-12	DC09072A 02-13	DC09072A 02-14	DC13072A 02-11
Gross Engine Power	kWm	249	273	294	317	356
Cylinder Arrangement		5L	5L	5L	5L	6L
Displacement	lt	9,3	9,3	9,3	9,3	12,7
Bore x Stroke	mm	130x140	130x140	130x140	130x140	130x160
Compression Ratio		16,0:1	16:1	16,0:1	16,0:1	16,3:1
Aspiration*		TC, IC	TC, IC	TC, IC	TC, IC	TC, IC
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Starting Voltage	VDC	24	24	24	24	24
Lubricating Oil Capacity	lt	36	36	36	36	45
Total Coolant Capacity	lt	38	38	38	38	39

Fuel Consumption

%100 PRP	g/kWh	189	192	194	197	182
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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	1200	1200	1200	1200	1250
Length	mm	2900	2900	2900	2900	3360
Height	mm	1970	1950	1950	1970	2000
Weight (dry)	kg	2334	2340	2357	2665	2693
Fuel Tank Capacity	lt	474	474	474	474	594
Overall Dimensions (With Canopy)						
Width	mm	1400	1400	1400	1400	1600
Length	mm	3700	3700	3700	3700	4400
Height	mm	2110	2110	2110	2110	2510
Weight (dry)	kg	3410	3420	3433	3688	3700
Fuel Tank Capacity	lt	627	627	627	627	731



SCANIA
ALMSC SERIES
275-770 kVA

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

»» **Group**

Model		ALMSC450	ALMSC500	ALMSC550	ALMSC600
Power ESP	kWe/kVA	360/450	400/500	440/550	480/600
Power PRP	kWe/kVA	328/410	364/455	400/500	436/545
Power Factor	cosφ	0,8	0,8	0,8	0,8

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

Manufacturer		SCANIA			
Model		DC13072A 02-12	DC13072A 02-13	DC13072A 02-14	DC1644A 10-27
Gross Engine Power	kWm	403	438	480	523
Cylinder Arrangement		6L	6L	6L	8V
Displacement	lt	12,7	12,7	12,7	15,6
Bore x Stroke	mm	130x160	130x160	130x160	127x154
Compression Ratio		16,3:1	16,3:1	16,3:1	16,0:1
Aspiration*		TC, IC	TC, IC	TC, IC	TC, IC
Governor Type		Electronic	Electronic	Electronic	Electronic
Starting Voltage	VDC	24	24	24	24
Lubricating Oil Capacity	lt	45	45	45	48
Total Coolant Capacity	lt	39	39	39	48

»» **Fuel Consumption**

%100 PRP	g/kWh	183	186	192	195
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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	1250	1250	1350
Length	mm	3360	3360	3360	3360
Height	mm	2000	2000	2000	2200
Weight (dry)	kg	2897	3008	3318	3466
Fuel Tank Capacity	lt	594	594	538	703
Overall Dimensions (With Canopy)					
Width	mm	1600	1600	1600	1600
Length	mm	4400	4400	4400	4400
Height	mm	2510	2510	2510	2510
Weight (dry)	kg	4014	4215	4525	4673
Fuel Tank Capacity	lt	731	731	783	866



DIESEL GENERATOR TECHNICAL SPECIFICATIONS

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

Group

Model		ALMSC660	ALMSC720	ALMSC770
Power ESP	kWe/kVA	528/660	576/720	616/770
Power PRP	kWe/kVA	480/600	524/655	560/700
Power Factor	cosφ	0,8	0,8	0,8

Diesel Engine (4 Stroke - Cycle Water Cooled)

Manufacturer		SCANIA		
Model		DC16072A 02-11	DC16072A 02-12	DC16072A 02-13
Gross Engine Power	kWm	587	634	680
Cylinder Arrangement		8V	8V	8V
Displacement	lt	16,4	16,4	16,4
Bore x Stroke	mm	130x154	130x154	130x154
Compression Ratio		16,7:1	16,7:1	16,7:1
Aspiration*		TC, IC	TC, IC	TC, IC
Governor Type		Electronic	Electronic	Electronic
Starting Voltage	VDC	24	24	24
Lubricating Oil Capacity	lt	45	45	45
Total Coolant Capacity	lt	48	48	48

Fuel Consumption

%100 PRP	g/kWh	192	193	193
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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	1350	1350	1350
Length	mm	3360	3360	3500
Height	mm	2200	2200	2200
Weight (dry)	kg	3500	3650	3720
Fuel Tank Capacity	lt	703	703	867
Overall Dimensions (With Canopy)				
Width	mm	1600	1600	1600
Length	mm	4400	4400	4500
Height	mm	2510	2510	2510
Weight (dry)	kg	4800	4900	5000
Fuel Tank Capacity	lt	997	997	1183

*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.