



Perkins

**ALMPE SERIES
10-2500 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 × 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 REGISTRİY
- BS4999/5000
- VDE 0530



ALMPE SERIES 10-2500 kVA



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

Group

Model		ALMPE-10	ALMPE-15	ALMPE-16	ALMPE-22	ALMPE-33	ALMPE-50	ALMPE-66	ALMPE-72
Power ESP	kWe/kVA	8/10	11,6/15	13/16	17,7/22	26,4/33	39,7/50	52,8/66	58/72
Power PRP	kWe/kVA	7,2/9	10,4/13	11/14	16/20	24/30	36/45	48/60	52/65
Power Factor	cosφ	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8

Diesel Engine (4 Stroke - Cycle Water Cooled)

Manufacturer	PERKINS								
Model		403A-11G1	403A-15G1	403A-15G2	404A-22G1	113A-33G	103A-33TG1	1103A-33TG2	1104A-44TG1
Gross Engine Power	kWm	9,5	13,5	15	20,6	31	46,5	60,5	65,6
Cylinder Arrangement		3L	3L	3L	4L	3L	3L	3L	4L
Displacement	lt	1,131	1,496	1,496	2,216	3,3	3,3	3,3	4,4
Bore x Stroke	mm	77X81	84X90	84X90	84X100	105X127	105X127	105X127	105X127
Compression Ratio		23:1	22,5:1	22,5:1	23,3:1	19,25:1	17,25:1	17,25:1	17,25:1
Aspiration*		NA	NA	NA	NA	NA	TC	TC	TC
Governor Type		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Starting Voltage	VDC	12	12	12	12	12	12	12	12
Lubricating Oil Capacity	lt	4,9	6	6	10,6	7,9	7,9	7,9	8
Total Coolant Capacity	lt	5,2	6	6	7	10,2	10,2	10,2	13

Fuel Consumption

%100 PRP	g/kWh	248	248	250	237	212	211	218	208
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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)

	mm	850	850	850	850	900	900	900	900
Width	mm	850	850	850	850	900	900	900	900
Length	mm	1000	1300	1300	1300	1600	1600	1800	1800
Height	mm	1100	1100	1100	1260	1380	1380	1380	1380
Weight (dry)	kg	443	410	410	600	800	861	940	1070
Fuel Tank Capacity	lt	46,2	54,6	54,6	54,6	107,8	107,8	145	145

Overall Dimensions (With Canopy)

	mm	850	950	950	950	1000	1000	1100	1100
Width	mm	850	950	950	950	1000	1000	1100	1100
Length	mm	1750	1950	1950	1950	2400	2400	2650	2650
Height	mm	1380	1380	1380	1380	1530	1530	1680	1680
Weight (dry)	kg	630	600	600	858	1050	1148	1220	1400
Fuel Tank Capacity	lt	46,2	54,6	54,6	54,6	107,8	107,8	145	145



ALMPE SERIES 10-2500 kVA



DIESEL GENERATOR TECHNICAL SPECIFICATIONS

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

Group

Model		ALMPE-88	ALMPE-110	ALMPE-150	ALMPE-165	ALMPE-200	ALMPE-220	ALMPE-250
Power ESP	kWe/kVA	70,4/88	89,6/111,9	120/150	132/165	160/200	176/220	200/250
Power PRP	kWe/kVA	64/80	81,4/101,4	109/136	120/150	144/180	160/200	182/228
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		PERKINS						
Model		1104A-44TG2	1104C-44TAG2	1106Ae-70TG1	1106A-70TAG2	1106A-70TAG3	1106A-70TAG4	1506A-E88TAG2
Gross Engine Power	kWm	80,7	103	129	153,6	179,8	196,3	236
Cylinder Arrangement		4L	4L	6L	6L	6L	6L	6
Displacement	lt	4,4	4,41	7,01	7,01	7,01	7,01	8,8
Bore x Stroke	mm	105X127	105X127	105X135	105X135	105X135	105X135	112X149
Compression Ratio		17,25:1	18,2:1	16:1	16:1	16:1	16:1	16,1:1
Aspiration*		TC	TC, IC	TC, AC	TC, AC	TC, AC	TC, AC	TC, AC
Governor Type		Mechanical	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Starting Voltage	VDC	12	12	12	12	12	12	24
Lubricating Oil Capacity	lt	8	8	16,5	16,5	16,5	16,5	39
Total Coolant Capacity	lt	13	12,6	21	21	21	21	29,6

Fuel Consumption

%100 PRP	g/kWh	214	205	203	199	198	213	197

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	1100
Width	mm	900	900	900	900	900	900	1100
Length	mm	1800	1800	2400	2400	2400	2400	2800
Height	mm	1380	1380	1530	1530	1650	1650	1789
Weight (dry)	kg	1123	1200	1300	1643	1895	1895	1900
Fuel Tank Capacity	lt	145	145	268,8	268,8	268,8	268,8	255

Overall Dimensions (With Canopy)

	mm	1100	1100	1100	1100	1100	1100	1250
Width	mm	1100	1100	1100	1100	1100	1100	1250
Length	mm	2650	2650	3300	3300	3300	3300	3700
Height	mm	1680	1680	1880	1880	1880	1880	2070
Weight (dry)	kg	1400	1530	1820	2400	2655	2655	2700
Fuel Tank Capacity	lt	145	145	268,8	268,8	268,8	268,8	323





ALMPE SERIES 10-2500 kVA



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

Group

Model		ALMPE-275	ALMPE-330	ALMPE-400	ALMPE-450	ALMPE-500	ALMPE-550	ALMPE-660
Power ESP	kWe/kVA	220/275	264/330	320/400	360/450	400/500	440/550	528/660
Power PRP	kWe/kVA	200/250	240/300	280/350	420/400	364/455	400/500	480/600
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	PERKINS							
Model		1506A-E88TAG3	1506A-E88TAG5	2206A-E13TAG2	2206A-E13TAG3	2506A-E15TAG1	2506A-E15TAG2	2806A-E18TAG1A
Gross Engine Power	kWm	252	307	368	413	451	495	593
Cylinder Arrangement		6	6	6L	6L	6L	6L	6L
Displacement	lt	8,8	8,8	12,5	12,5	15,2	15,2	18,1
Bore x Stroke	mm	112X149	112X149	130X157	130X157	130X157	137X171	145X183
Compression Ratio		16,1:1	16,1:1	16,3:1	16,3:1	16,3:1	16:1	14,5:1
Aspiration*		TC, AC	TC, AC	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	39	39	40	40	62	62	62
Total Coolant Capacity	lt	29,6	33,2	51,4	51,4	58	58	62

Fuel Consumption

%100 PRP	g/kWh	199	196	196	197	199	199	203

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	1100	1100	1250	1250	1250	1250	1650
Length	mm	2800	2800	3350	3450	3450	3450	3350
Height	mm	1789	1789	2135	2135	2135	2135	2217
Weight (dry)	kg	2000	2750	2850	2850	3700	3780	4150
Fuel Tank Capacity	lt	255	420	594	594	594	594	770
Overall Dimensions (With Canopy)								
Width	mm	1250	1250	1600	1600	1600	1600	1800
Length	mm	3700	3700	3900	3900	3900	3900	3900
Height	mm	2070	2070	2310	2310	2310	2310	2410
Weight (dry)	kg	2900	3480	3680	3680	4720	4800	5255
Fuel Tank Capacity	lt	323	491	788	788	788	788	855



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DIESEL GENERATOR TECHNICAL SPECIFICATIONS

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

Group

Model		ALMPE-700	ALMPE-825	ALMPE-900	ALMPE-1000	ALMPE-1125	ALMPE-1250	ALMPE-1375
Power ESP	kWe/kVA	560/700	660/825	720/900	802/1000	900/1125	1000/1250	1100/1375
Power PRP	kWe/kVA	520/650	600/750	640/800	728/911	818/1022	900/1125	1000/1250
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	PERKINS							
Model		2806A-E18TAG2	4006-23TAG2A	4006-23TAG3A	4008-TAG1A	4008-TAG2A	4008-30TAG3	4012-46TWG2A
Gross Engine Power	kWm	628	721	786	882	985	1105	1113
Cylinder Arrangement		6L	6L	6L	8L	8L	8	12
Displacement	lt	18,1	22,921	22,921	30,561	30,561	30,561	45,842
Bore x Stroke	mm	145X183	160X190	160X190	160X190	160X190	160X190	160X190
Compression Ratio		14,5:1	13,6:1	13,6:1	13,6:1	13,6:1	13,0:1	13,0:1
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	62	113,4	113,4	153	153	153	177
Total Coolant Capacity	lt	62	105	105	143	149	140	201

Fuel Consumption

%100 PRP	g/kWh	202	202	210	206	206	206	211

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	1650	1800	1800	2060	2060	2060	1900
Length	mm	3350	4100	4100	4875	4875	4875	4800
Height	mm	2217	2374	2374	2250	2250	2550	2650
Weight (dry)	kg	4150	4910	4910	6750	6750	6750	9500
Fuel Tank Capacity	lt	770	1500(H)	1500(H)	1815(H)	1815(H)	1815(H)	2500(H)

Overall Dimensions (With Canopy)

Width	mm	1800	2000	2000	2300	2300	2300	2100
Length	mm	3900	4650	4650	5400	5400	5400	5200
Height	mm	2410	2510	2510	2760	2760	2760	2810
Weight (dry)	kg	5255	6300	7280	9250	9250	9250	13000
Fuel Tank Capacity	lt	855	1500(H)	1500(H)	1815(H)	1815(H)	1815(H)	2500(H)



ALMPE SERIES 10-2500 kVA

DIESEL GENERATOR TECHNICAL SPECIFICATIONS

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



Group

Model		ALMPE-1500	ALMPE-1650	ALMPE-1770	ALMPE-1880	ALMPE-2030	ALMPE-2250	ALMPE-2500
Power ESP	kWe/kVA	1200/1500	1320/1650	1416/1770	1504/1880	1640/2030	1800/2250	2000/2500
Power PRP	kWe/kVA	1091/1364	1200/1500	1320/1650	1368/1710	1476/1845	1636/2045	1800/2250
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	PERKINS							
Model		4012-46TWG3A	4012-46TAG2A	4012-46TAG3A	4012-46TAG3A	4016-61TRG1	4016-61TRG2	4016-61TRG3
Gross Engine Power	kWm	1207	1395	1643	1643	1774	1985	2183
Cylinder Arrangement		12	12V	12	12V	16	16	16V
Displacement	lt	45,842	45,842	45,842	45,842	61,123	61,123	61,123
Bore x Stroke	mm	160X190	160X190	160X190	160X190	160X190	160X190	160X190
Compression Ratio		13,0:1	13,6:1	13,6:1	13,6:1	13,6:1	13,6:1	13,6:1
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	177	177	177	177	213	213	237,2
Total Coolant Capacity	lt	201	210	210	210	270	270	270

Fuel Consumption

%100 PRP	g/kWh	211	200	208	208	201	205	205
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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	1900	2200	2200	2200	2775	2775	2775
Length	mm	4800	5250	5500	5500	5700	5700	5700
Height	mm	2650	2750	2750	2750	3800	3800	3800
Weight (dry)	kg	9763	9890	10432	10432	13850	13850	13850
Fuel Tank Capacity	lt	2500(H)	2500(H)	3000(H)	3000(H)	4000(H)	4000(H)	4000(H)
Overall Dimensions (With Canopy)								
Width	mm	2100	2500	2600	2600	3000	3000	3000
Length	mm	5200	6058	6500	6500	7000	7000	7000
Height	mm	2810	3000	3100	3100	4000	4000	4000
Weight (dry)	kg	13113	13950	14132	14132	17700	17700	17700
Fuel Tank Capacity	lt	2500(H)	2500(H)	3000(H)	3000(H)	4000(H)	4000(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.



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