

ALMDZ 525 kVA**PRIME POWER**

Means running in 70% average load in an unlimited time as a mains backup. 10% overload is permitted

STANDBY POWER

Means running in variable load in limited period of time where the mains is good. Overload is not allowed

Generators

	Prime	Stand-by
Power (kVA)	475	525
Power kW	380	420

Model	ALMDZ 525
Engine Model	Deutz / BF8M1015-LA G2
Fuel Type	Diesel
Frequency	50 Hz
Power Factor	Cos ϕ = 0.8
Rated Voltage	400/231 V
Fuel Type	Diesel

Dimension	Canopied	Open Skid
Length (mm)	3350	3200
Height (mm)	2890	2150
Width (mm)	1800	1520
Weight (kg)	4350	4050
Fuel Tank Capacity	740	480

ALMDZ 525

Diesel Generator

Engine

Manufacturer		Deutz
Model		BF8M1015-LA G2
Engine Type		4 Stroke Diesel Engine
Engine Standby Power	kWm	440
Engine Prime Power	kWm	400
Number of Cylinders/ Arrangement		8V
Total Displacement	lt	15,9
Type of Cooling		Su
Bore x Stroke	mm	132 x 145
Compression Ratio		16,5:1
Aspiration		Turbocharged, Intercooler
Governor Type		Elektronic
Electrical System	VDC	24
Lubrication Oil Capacity	lt	48
Coolant Capacity	lt	TBA
Frequency / Speed	Hz - rpm	50 - 1500
Water Heater	Piece x W	TBA
Battery	Piece x AH	2 x 150
Charge Alternator	A	TBA
Injection System		Direct
Cooling Air Flow	m ³ /min	TBA
Combustion Air Flow	m ³ /min	TBA
Exhaust Gas Flow	m ³ /min	TBA
Exhaust Outlet Temperature	C	540
%100 Fuel Consumption	L/h	93
%75 Fuel Consumption	L/h	69,8
%50 Fuel Consumption	L/h	46,4

Alternator

Phase / Pole Number		3/4+
Excitation Sytem		Self Excited, Brushless
Voltage Regulator		A.V.R. (Automatic)
Voltage Regulation		±%1
Insulation Class		H
Protection Class		IP23
Connection Type		Star
Frequency	Hz	50
Power Factor		0.8
Total Harmonic Distortion		< % 3.5
Output Voltage	VDC	231/400

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ALMDZ 525

Diesel Generator

General Information

STANDARD FEATURES**Engine**

Low fuel consumption and high performance latest technology diesel engines, electronic or mechanical governor, water-cooled radiator system, replaceable oil, fuel, air filters.

Alternator

With its robust and compact structure, steel body, maintenance-free single bearing system, brushless, self-excited system and electronic type AVR, alternators suitable for the special needs of different applications are used.

Gen-Set Cabinet

Modular cabinets are used in accordance with 2000/14/EC directives, covered with sound and heat insulation flame-resistant sponge, corrosion and rust resistant paint, locks and hinges, large lockable doors on both sides for easy service and maintenance. Exhaust and silencer insulated according to engine suitability. Small and medium power fuel tank is designed as under-chassis. Lifting ears on chassis. Vibration prevention wedges are used under the chassis.

Standard Accessories;

- Industrial silencer and stainless steel compensator
- Maintenance-free lead-acid starter battery, cable and stand
- Block water heater with thermostat
- Automatic control module
- SMPS battery charger
- Relays and fuses
- Emergency stop button

Optional Features

- Remote radiator
- Water level sensor
- Fuel level sensor
- Winding dehumidifier heater
- Winding and bearing temperature sensors
- MCCB
- PMG/AREP

Other Accessories ;

- Electronic/Manual oil drain pump
- Critical type silencer
- Trailer
- Main fuel tank stainless and insulated
- Automatic transfer panel
- Spring loaded seismic isolator
- Oil and fuel tank heater
- Maintenance tools and kits

**Alimar ALM-929 Automatic Control Module**

- AMF function
- ATS function
- Remote start function
- Manual start function
- Engine control function
- Suitable for remote monitoring

Measurements

- Mains and gen. FN – FF voltages
- Mains and generator frequency
- Mains and genset phase currents
- Mains and generator neutral currents
- Grid and generator phase and total, kW,kVA,kVAr

Connection

- 3 phase 4 wire, stars & delta
- 3 phase 3 wire, 2 current transformer
- 2 phase 3 wire
- 1 phase 2 wire

Communication

- RS232 – 485 connection with cable
- J1939-CANBUS
- GSM / GPRS connection
- Ethernet connection
- Modbus RTU

Quality Standards;

- ISO 9001
- ISO 14001
- ISO 8528
- ISO 3046
- IEC EN 60034
- CE Certificate
- OHSAS 18001
- VDE 0530
- EN ISO 12100
- SZUTEST
- 2000/14/EC