

- ISO8528** This generator set has been designed to meet ISO 8528 regulation.

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- SZUTEST** This generator set is manufactured in facilities certified to ISO 9001.

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- CE** This generator set is available with CE certification.

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- 2000/14/EC** Enclosed product is tested according to EU noise legislation 2000/14/EC

**3 Phase Ratings, 50 Hz, PF 0,8**

Voltage	Standby Rating (ESP)		Prime Rating (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	275,00	220,00	250,00	200,00	360,00

**Standby Rating (ESP):** Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. ESP is in accordance with ISO 8528. Overload is not allowed.

**Prime Rating (PRP):** Applicable for supplying power to varying electrical load for unlimited hours. PRP is in accordance with ISO 8528. 10 % overload capability is available for a period of 1 hour within 12-hour period of operation, in accordance with ISO 3046.

**STANDARD SPECIFICATIONS**

- Water cooled, Diesel engine
- Radiator with mechanical fan
- Protective grille for rotating and hot parts
- Electric starter and charge alternator
- Starting battery (with lead acid) including rack and cables
- Engine coolant heater
- Base frame design incorporates an integral fuel tank and anti-vibration isolators
- Flexible fuel connection hoses
- Single bearing, class H alternator
- Industrial exhaust silencer and steel bellows supplied separately
- Static battery charger
- Manual for application and installation



Manufacturer	Doosan			
Model	P126TI			
No. of Cylinders and Build	6 Cylinder, In Line			
Aspiration and Cooling	Turbo Charged and After Cooled			
Maximum Standby Power	1500 rpm			
	272 kW[HP]			
Total Displacement	L	11,05		
Bore and Stroke	mm	123 x 155		
Compression Ratio	17,0:1			
Rated Speed (rpm)	rpm	1500		
Governor	Electronic			
Oil Capacity	L	23,00		
Coolant Capacity	L	65,00		
Intake Air Flow	m <sup>3</sup> /min.	16,40		
Radiator Cooling Air	m <sup>3</sup> /min.	295		
Exhaust Gas Flow	m <sup>3</sup> /min.	43,00		
Exhaust Gas Temperatures	° C	560		
Start System	24 V d.c.			
Fuel Consumption	Load	%100	%75	%50
	L/h	58,10	43,60	30,00

### ● ALTERNATOR SPECIFICATIONS

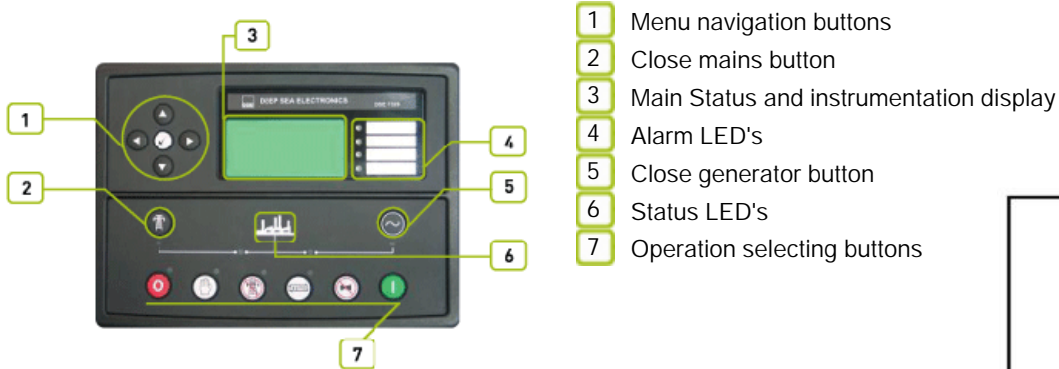
Make	Mecc Alte		
Model	ECO 38-1LN		
Frequency	Hz	50	
Power	kVA	250	
Design	Brushless, 4 poles		
Cos Phi	0,80		
Phase	3		
Voltage	V	400/230	
Current	A	360	
Insulation Class	H		
Temperatur	H		
Stator	2 / 3 steps		
Rotor	Single Bearing System, Flexible Disc		
Excitation System	Electronic ( AVR )		

### ● DIEMENSIONS AND WEIGHT

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Open Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
AD 275	2850	2850	1300	1650	600
Sound Attenuated Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
AK 61	3070	4000	1353	1882	

## 1 P 732 control system - Control System



### 2 Devices

DSE, model 7320 Auto Mains Failure control module  
Static battery charger  
Emergency stop push button and fuses for control circuits

### 3 Construction and Finish

Components installed in sheet steel enclosure. Phosphate chemical, pre-coating of steel provides corrosion resistant surface  
Polyester composite powder topcoat forms high gloss and extremely durable finish  
Lockable hinged panel door provides for easy component access

### 4 Installation

Control panel is mounted generating set baseframe on robust steel stand or power module.  
Located at side of generating set with properly panel visibility.

## 5 Generating Set Control Unit

The DSE 7320 control module is a standard addition to our generator sets from 220 kVA upwards and it has been designed to start and stop diesel and gas generating sets that include electronic and non electronic engines. The DSE 7320 includes the additional capability of being able to monitor a mains (utility) supply and is therefore suitable for controlling a standby generating set in conjunction with an automatic transfer switch. The DSE 7320 also indicates operational status and fault conditions, automatically shutting down the generating set and indicating faults by means of its LCD display on the front panel.

#### Standard Specifications

Microprocessor controlled  
132 x 64 pixel LCD display makes information easy to read  
Front panel programming and also via PC software  
Soft touch membrane keypad and five key menu navigation  
Remote communications via RS232, RS485 and ethernet and SMS messaging  
Event logging (50) showing date and time  
Multiple date and time engine exercise mode and maintenance scheduler  
Engine block heater control.  
Controls; stop, manual, auto, test, start, mute lamp test/transfer to generator, transfer to mains, menu navigation.

● Instruments

- ENGINE
- Engine speed
- Oil pressure
- Coolant temperature
- Run time
- Battery volts
- Engine maintenance due
- GENERATOR
- Voltage (L-L, L-N)
- Current (L1-L2-L3)
- Frequency
- Earth current
- kW
- Pf
- kVAr
- kWh, kVAh, kVArh
- Phase sequence
- MAINS
- Voltage (L-L, L-N)
- Frequency

● Protection Circuits

- WARNING
- Charge failure
- Battery under voltage
- Fail to stop
- Low fuel level (opt.)
- kW over load
- Negative phase sequence
- Loss of speed signal
- PRE-ALARMS
- Low oil pressure
- High engine temperature
- Low engine temperature
- Over /Under speed
- Under/over generator frequency
- Under/over generator voltage
- ECU warning
- SHUT DOWNS
- Fail to start
- Emergency stop
- Low oil pressure
- High engine temperature
- Low coolant level
- Over /Under speed
- Under/over generator frequency
- Under/over generator voltage
- Oil pressure sensor open
- Phase rotation
- ELECTRICAL TRIP
- Earth fault
- kW over load
- Generator over current
- Negative phase sequence

● Options

- High oil temperature shut down
- Low fuel level shut down
- Low fuel level alarm
- High fuel level alarm
- EXPANSION MODULES
- Editional LED module (2548)
- Expension relay module (2157)
- Expansion input module (2130)

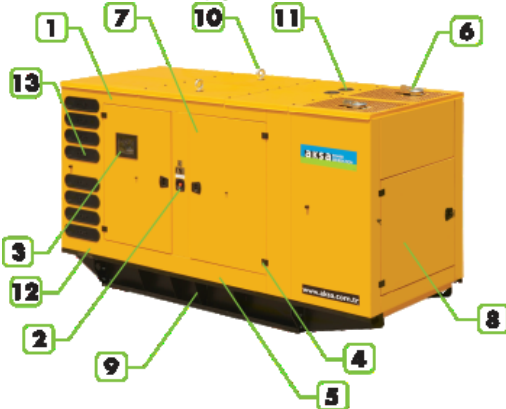
● Standards

- Electrical Safety / EMC compatibility
- BS EN 60950 Electrical business equipment
- BS EN 61000-6-2 EMC immunity standard
- BS EN 61000-6-4 EMC emission standard

● Static Battery Charger

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MS 70 - Canopy



- 1 Steel structures.
- 2 Emergency stop push button.
- 3 Control panel is mounted on the baseframe . Located at the right side of the generator set.
- 4 Corrosion-resistant locks and hinges.
- 5 oil could be drained via valve and a hose
- 6 Exhaust system in the canopy.
- 7 special large access doors for easy maintenance
- 8 in front and back side special large access doors for easy maintenance
- 9 Base frame -fuel tank.
- 10 Lifting points similar to ISO container , located on each top corner of the canopy
- 11 the canopy provides easy access to radiator cap.
- 12 sound proofing materials
- 13 Plastic air intake pockets.

Introduction

Sound-attenuated and Weather-protective Enclosures Sound-attenuated and weather protective enclosures for generating sets from Aksa, meet event the sound requirements and provide optimum protection from inclement weather and development by our specialist acoustic engineers. Our modular designed sound insulated canopies provide ease of access for servicing and general maintenance and interchangeable components permitting on-site repair. Enclosures are designed to optimize genset cooling performance, providing you with confidence that genset ratings and ambient capability.

Standard Specifications

- Compact footprint, low profile design.
- Enclosure, generator set, exhaust system and fuel tank are pre-ssembled, pre-integrated and shipped as one package
- Body made from steel components treated with polyester powder coating
- Fire retardant foam insulation
- Easy access to all service points
- Exhaust system inside canopy
- Large doors on each side
- Control panel viewing window in a lockable access door
- Emergency stop push button mounted on enclosure exterior
- Cooling fan and battery charging alternator fully guarded
- Fuel fill and battery can only be reached via lockable access doors.
- Lifting points on the top of canopy and base frame
- Customer options available to meet your applications needs.
- Aksa makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level test has been approved by the notified body Szutest

Width	mm.	1353
Lenght	mm.	4000
Height	mm.	1882

THE GENERATOR SALES & SERVICING COMPANY LTD

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