INTRODUCTION

Aksa power generation system, providing optimum performance, and reliability, for stationary standby, prime power, and continuous duty applications. All generator sets are factory build, and production tested.

Certificate

TS ISO 8528

CE

SZUTEST

2000/14/EC

General Characteristics

Model Name	AD 251-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	HYUNDAI - P086 TI - 60Hz
Alternator Made and Model	Mecc Alte - ECO 38-1M/4 C - 60Hz
Control Panel Model	DSE 7320
Canopy	AK 50

Производитель сохраняет за собой право без предварительного уведомления делать изменения в моделях, технических характеристиках, цветах, оборудовании, аксессуарах и чертежах.

3 Количество фаз, 50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
480/277	250	200.00	230	184.00	300.71
380/220	248	198.40	225	180.00	376.81
208/120	251	200.80	229	183.20	696.73

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 8528-1. Overload is not allowed.

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

ENGINE SPECIFICATIONS

Engine		HYUNDAI
Engine Model		P086 TI - 60Hz
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	**mm**	111 X 139

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TOTAL DISPLACEMENT	**L**	8.071
Aspiration		Turbo Charged and Intercooled (Air to Air)
COMPRESSION RATIO		16.4:1
RATED SPEED (RPM)	**d/dk**	1800
OIL CAPACITY	**L**	15.5
Standby Power (kW/HP)		223/299
Block Heater QTY		1
Block Heater Power (Watt)		1500
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		

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	Zexel P inline		
Governor System			
		Electronic	
Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		2x85	
Charge Alternator (A)			
		45	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		250	
Coolant Capacity (engine only / with radiator) (lt)			
		14/46	
Air Filter			

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	Dry Type		
Fuel Cons. Prime With %100 Load (lt/hr)			
		50.6	
Fuel Cons. Prime With %75 Load (lt/hr)			
		37.7	
Fuel Cons. Prime With %50 Load (lt/hr)			
		25.1	

ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 38-1M/4 C - 60Hz
Frequency (Hz)	**Hz**	60
Power (kVA)	**kVA**	270
DESIGN		4 Pole, Brushless
VOLTAGE	**V**	480

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Phase		3
A.V.R.		DSR
Voltage Regulation	**(+/-)**	1
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		600
COOLING AIR (m^3/min)	**m^3**	39

SIZE and WEIGHT

Open Type	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
Image not found or type unknown	1830	2688	1150	1624	380
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**

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AK 50 Image not found or type unknown	2205	3404	1206	2020	380

STANDART 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(for open sets)
Static battery charger
Manual for application and installation

OPTIONAL EQUIPMENTS

TRANSFER SWITCH
- Motor Switch
- Four Pole Contactor
- Three Pole Contactor

OTHER ACCESSORIES
- Tool kit for maintenance
- Trailer
- Inlet and outlet acoustic baffles
- Double wall chassis
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C
- Inlet and outlet motorised louvers
- Electrical oil drain pump
- Manual oil drain pump
- Automatic or manual fuel filling system

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- Low and high fuel level alarm
- Duct adapter (on radiator)
- Enclosure: weater protective or sound attenuated
- Residential silencer

CONTROL SYSTEM

- Remote communication with modem
- Alarm output relays
- Charge Ammeter
- Earth fault, single set
- Transition synchronization with mains
- Automatic synchronising and power control system (multi gen-set Parallel)
- Remote relay output
- Remote annunciator panel

ENGINE

- Oil heater
- Fuel-Water Seperator Filter

ALTERNATOR

- Main line circuit breaker
- Anti-Condensation Heater
- Over sized alternator

INTRODUCTION

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-assembled, 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

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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 application's 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

CANOPY MODEL		AK 50
WIDTH	**mm.**	1217
LENGTH	**mm.**	3402
HEIGHT	**mm.**	2032
TANK CAPACITY (lt.)	**Lt.**	380

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