



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	AC 2500-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	CUMMINS - QSK 60-G7 - 60Hz
Alternator Made and Model	Mecc Alte - ECO 46-1L/4 A - 60Hz
Control Panel Model	DSE 7320
Canopy	AK 99 - External Removable Silencer


3 Phase, 50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
480/277	2500	2000.00	2269	1815.20	3007.12
380/220	2375	1900.00	2160	1728.00	3608.55

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 period of operation.

ENGINE SPECIFICATIONS

Engine		CUMMINS
Engine Model		QSK 60-G7 - 60Hz
NO. OF CYLINDERS AND BUILD		16 cylinders - V type
BORE AND STROKE	mm	159 X 190
TOTAL DISPLACEMENT	L	60.2

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



Aspiration		Turbo Charged and One Pump Two Loop	
COMPRESSION RATIO		14.5:1	
RATED SPEED (RPM)	d/dk	1800	
OIL CAPACITY	L	280	
Standby Power (kW/HP)		2180/2922	
Fuel Type			
		Diesel	
Type of Fuel Pump			
		Cummins PT	
Governor System			
		Electronic	
Operating Voltage (Vdc)			
		24 Vdc	
Cooling Method			
		Water Cooled	



Coolant Capacity (engine only / with radiator) (lt)			
		682	
Air Filter			
		Dry Type	
Fuel Cons. Prime With %100 Load (lt/hr)			
		471	
Fuel Cons. Prime With %75 Load (lt/hr)			
		360	
Fuel Cons. Prime With %50 Load (lt/hr)			
		254	

ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 46-1L/4 A - 60Hz
Frequency (Hz)	Hz	60
Power (kVA)	kVA	2200





DESIGN		Brushless
VOLTAGE	V	400
Phase		3
A.V.R.		DER1
Voltage Regulation	(+/-)	0.5
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		3805
COOLING AIR (m³/min)	m³	162

SIZE and WEIGHT

Open Type	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)



	15500	5710	2280	3220	2000
CANOPY	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
AK 99 - External Removable Silencer 	TBD	9000	2800	3307	2200

STANDART SPECIFICATIONS

Heavy duty, 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
 Steel base frame and anti-vibration isolators
 Spare external fuel tank (open set)
 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

OPTIONAL EQUIPMENTS

TRANSFER SWITCH

- Three or four pole motor operated circuit breaker
- Four Pole Contactor
- Three Pole Contactor

OTHER ACCESSORIES

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



- Tool kit for maintenance
- Inlet and outlet acoustic baffles
- Inlet and outlet motorised louvers
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C
- Low and high fuel level alarm
- Electrical oil drain pump
- Automatic or manual fuel filling system
- 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
- Remote relay output
- Paralel system with mains.
- Automatic synchronising and power control system (multi gen-set

Parallel)

- Remote annunciator panel
- Transition synchronization with mains

ENGINE

- Oil heater
- Fuel-Water Seperator Filter
- Remote Radiator Cooling

ALTERNATOR

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

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

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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 the 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 are fully guarded

Fuel fill and battery can only be reached via lockable access doors.

Lifting points on the top of the 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 99 - External Removable Silencer
WIDTH	mm.	2800
LENGTH	mm.	9000
HEIGHT	mm.	3307
TANK CAPACITY (lt.)	Lt.	2200