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

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

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 perod 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

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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

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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

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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 (m^3/min)	**m^3**	162

SIZE and WEIGHT

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

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Image not found or type unknown	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 Image not found or type unknown	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

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- Four Pole Contactor
- Three Pole Contactor

OTHER ACCESSORIES

- 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

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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 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

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