



## 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

<b>Model Name</b>	AC 2500-6
<b>Frequency (Hz)</b>	60
<b>Fuel Type</b>	Diesel
<b>Engine Made and Model</b>	CUMMINS - QSK 60-G7 - 60Hz
<b>Alternator Made and Model</b>	Mecc Alte - ECO 46-1L/4 A - 60Hz
<b>Control Panel Model</b>	DSE 7320
<b>Canopy</b>	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

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

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



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



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

**ALTERNATOR SPECIFICATIONS**

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



<b>DESIGN</b>		Brushless
<b>VOLTAGE</b>	<b>V</b>	400
<b>Phase</b>		3
<b>A.V.R.</b>		DER1
<b>Voltage Regulation</b>	<b>(+/-)</b>	0.5
<b>Insulation System</b>		H
<b>Protection</b>		IP23
<b>Rated Power Factor</b>		0.8
<b>WEIGHT COMP. GENERATOR (Kg)</b>		3805
<b>COOLING AIR (m<sup>3</sup>/min)</b>	<b>m<sup>3</sup></b>	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
<b>CANOPY</b>	<b>DRY WEIGHT (kg.) (kg.)</b>	<b>LENGTH (mm.)</b>	<b>WIDTH (mm.)</b>	<b>HEIGHT (mm.)</b>	<b>TANK CAPACITY (lt.) (Lt.)</b>
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

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



- 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



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

<b>CANOPY MODEL</b>		AK 99 - External Removable Silencer
<b>WIDTH</b>	<b>mm.</b>	2800
<b>LENGTH</b>	<b>mm.</b>	9000
<b>HEIGHT</b>	<b>mm.</b>	3307
<b>TANK CAPACITY (lt.)</b>	<b>Lt.</b>	2200