



## 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 1913-6
<b>Frequency (Hz)</b>	60
<b>Fuel Type</b>	Diesel
<b>Engine Made and Model</b>	CUMMINS - KTA50-G9 60Hz
<b>Alternator Made and Model</b>	Mecc Alte - ECO 46-1S/4 A - 60Hz
<b>Control Panel Model</b>	DSE 7320
<b>Canopy</b>	AKS 101


**3 Phase, 50 Hz, PF 0.8**

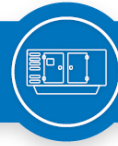
VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
480/277	1913	1530.40	1594	1275.20	2301.05
380/220	1705	1364.00	1550	1240.00	2590.56
208/120		0.00	-	-	0.00

**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 8528-1. 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>		KTA50-G9 60Hz
<b>NO. OF CYLINDERS AND BUILD</b>		16 cylinders - V type
<b>BORE AND STROKE</b>	<b>mm</b>	159 X 159



<b>TOTAL DISPLACEMENT</b>	<b>L</b>	50.3	
<b>Aspiration</b>		Turbocharged and Low Temperature Aftercooled	
<b>COMPRESSION RATIO</b>		13.9:1	
<b>RATED SPEED (RPM)</b>	<b>d/dk</b>	1800	
<b>OIL CAPACITY</b>	<b>L</b>	204	
<b>Standby Power (kW/HP)</b>		1655/2220	
<b>Prime Power</b>		1383/1855	
<b>Block Heater QTY</b>			
		2	
<b>Block Heater Power (Watt)</b>			
		3000	
<b>Fuel Type</b>			
		Diesel	
<b>Injection Type and System</b>			
		Direct	

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



<b>Type of Fuel Pump</b>			
		Cummins PT	
<b>Governor System</b>			
		Electronic	
<b>Operating Voltage (Vdc)</b>			
		24 Vdc	
<b>Battery and Capacity (Qty/Ah)</b>			
		4X143	
<b>Cooling Method</b>			
		Water Cooled	
<b>Cooling Fan Air Flow (m3/min)</b>			
		2229	
<b>Coolant Capacity (engine only / with radiator) (lt)</b>			
		140/415	
<b>Air Filter</b>			
		Dry Type	



<b>Fuel Cons. Prime With %100 Load (lt/hr)</b>			
			330
<b>Fuel Cons. Prime With %75 Load (lt/hr)</b>			
			257
<b>Fuel Cons. Prime With %50 Load (lt/hr)</b>			
			180


**ALTERNATOR SPECIFICATIONS**

<b>Manufacturer</b>		Mecc Alte
<b>Alternator Made and Model</b>		ECO 46-1S/4 A - 60Hz
<b>Frequency (Hz)</b>	<b>Hz</b>	60
<b>Power (kVA)</b>	<b>kVA</b>	1240
<b>DESIGN</b>		Brushless
<b>VOLTAGE</b>	<b>V</b>	380
<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>		3010
<b>COOLING AIR (m<sup>3</sup>/min)</b>	<b>m<sup>3</sup></b>	162

**SIZE and WEIGHT**

<b>Open Type</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>
	10700	5650	2150	2550	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>
AKS 101	16700	9130	2440	2591	1200



## STANDART SPECIFICATIONS

Heavy duty, water cooled diesel engine  
Radiator with mechanical fan  
Protective grille for fan and rotating parts  
Electric starter and charge alternator  
Starting battery (with lead acid) including rack and cables  
Engine jacket water heater  
Steel base frame and anti-vibration isolators  
Spare 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

- Motor Switch

### OTHER ACCESSORIES

- 1500/3000 hours maintenance kit
- Tool kit for maintenance
- Trailer
- Double wall chassis
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C
- Inlet and outlet acoustic baffles
- Low and high fuel level alarm
- Electrical oil drain pump
- Automatic or manual fuel filling system
- Residential silencer
- Inlet and outlet motorised louvers
- Duct adapter ( on radiator)
- Enclosure: weater protective or sound attenuated

### 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**

<b>CANOPY MODEL</b>		AKS 101
<b>WIDTH</b>	<b>mm.</b>	2440
<b>LENGTH</b>	<b>mm.</b>	9130
<b>HEIGHT</b>	<b>mm.</b>	2591

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<b>TANK CAPACITY (lt.)</b>	<b>Lt.</b>	1200
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