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

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	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 perod of operation.

ENGINE SPECIFICATIONS

Engine		CUMMINS
Engine Model		KTA50-G9 60Hz
NO. OF CYLINDERS AND BUILD		16 cylinders - V type
BORE AND STROKE	**mm**	159 X 159

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

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

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

ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 46-1S/4 A - 60Hz
Frequency (Hz)	**Hz**	60
Power (kVA)	**kVA**	1240
DESIGN		Brushless
VOLTAGE	**V**	380
Phase		3

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A.V.R.		DER1
Voltage Regulation	**(+/-)**	0.5
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		3010
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.)
Image not found or type unknown	10700	5650	2150	2550	2000
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
AKS 101	16700	9130	2440	2591	1200

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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

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- 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

CANOPY MODEL		AKS 101
WIDTH	**mm.**	2440
LENGTH	**mm.**	9130
HEIGHT	**mm.**	2591

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TANK CAPACITY (lt.)	**Lt.**	1200

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