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 620K-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	CUMMINS - KTA19-G4 - 60Hz
Alternator Made and Model	Mecc Alte - ECO 40-1L/4 C - 60Hz
Control Panel Model	DSE 7320
Canopy	MS 80

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	620	496.00	558	446.40	745.77
380/220	619	495.20	555	444.00	940.50

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		KTA19-G4 - 60Hz
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	**mm**	159 X 159
TOTAL DISPLACEMENT	**L**	18,9

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Aspiration		Turbo Charged and AfterCooled
COMPRESSION RATIO		13.9:1
RATED SPEED (RPM)	**d/dk**	1800
OIL CAPACITY	**L**	50
Standby Power (kW/HP)		563/755
Prime Power		507/689
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		Cummins PT
Governor System		Electronic
Operating Voltage (Vdc)		

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	24 Vdc		
Cooling Method			
		Water Cooled	
Coolant Capacity (engine only / with radiator) (lt)			
		30/120	
Air Filter			
		Dry Type	
Fuel Cons. Prime With %100 Load (lt/hr)			
		122	
Fuel Cons. Prime With %75 Load (lt/hr)			
		94	
Fuel Cons. Prime With %50 Load (lt/hr)			
		65	

ALTERNATOR SPECIFICATIONS

Manufacturer	Mecc Alte

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Alternator Made and Model		ECO 40-1L/4 C - 60Hz
Frequency (Hz)	**Hz**	60
Power (kVA)	**kVA**	570
DESIGN		4 Pole, 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)		1323
COOLING AIR (m^3/min)	**m^3**	64.8

SIZE and WEIGHT

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Open Type	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
Image not found or type unknown	4520	3344	1550	2196	850
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
MS 80 Image not found or type unknown		4807	1606	2485	850

STANDART SPECIFICATIONS

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
Base frame design incorporates an integral fuel tank and anti-vibration isolators
Flexible fuel connection hoses
Single bearing, class H alternator
Industrial exhaust silencer and steel bellows supplied separately(for open sets)
Static battery charger
Manual for application and installation

OPTIONAL EQUIPMENTS

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

OTHER ACCESSORIES
- Tool kit for maintenance
- Trailer
- Inlet and outlet acoustic baffles
- Double wall chassis
- 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
- 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
- PMG excitation + AVR
- Main line circuit breaker
- Anti-Condensation Heater
- Over sized alternator

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 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 fully guarded
Fuel fill and battery can only be reached via lockable access doors.
Lifting points on the top of 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		MS 80
WIDTH	**mm.**	1606
LENGTH	**mm.**	4807
HEIGHT	**mm.**	2485
TANK CAPACITY (lt.)	**Lt.**	850

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.

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