



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 1270K-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	CUMMINS - KTA38-G14 - 60Hz
Alternator Made and Model	Mecc Alte - ECO 43-1M/4 A - 60Hz
Control Panel Model	DSE 7320
Canopy	AK 96

3 Phase, 50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
480/277	1270	1016.00	1150	920.00	1527.62
380/220	1150	920.00	1045	836.00	1747.30
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

Engine		CUMMINS
Engine Model		KTA38-G14 - 60Hz
NO. OF CYLINDERS AND BUILD		12 cylinders - V type
BORE AND STROKE	mm	159 X 159



TOTAL DISPLACEMENT	L	37.8
Aspiration		Turbo Charged and AfterCooled
COMPRESSION RATIO		13.9:1
RATED SPEED (RPM)	d/dk	1800
OIL CAPACITY	L	135
Standby Power (kW/HP)		1112/1490
Prime Power		1007/1350
Block Heater QTY		
		2
Block Heater Power (Watt)		
		3000
Fuel Type		
		Diesel
Injection Type and System		
		Direct



Type of Fuel Pump			
		Cummins PT	
Governor System			
		Electronic	
Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		4x120	
Charge Alternator (A)			
		35	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		1489	
Coolant Capacity (engine only / with radiator) (lt)			
		124/350	



Air Filter			
		Dry Type	
Fuel Cons. Prime With %100 Load (lt/hr)			
		242	
Fuel Cons. Prime With %75 Load (lt/hr)			
		189	
Fuel Cons. Prime With %50 Load (lt/hr)			
		136	

ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 43-1M/4 A - 60Hz
Frequency (Hz)	Hz	60
Power (kVA)	kVA	1045
DESIGN		4 Pole, Brushless
VOLTAGE	V	380

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



Phase		3
A.V.R.		DER1
Voltage Regulation	(+/-)	0.5%
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		2275
COOLING AIR (m³/min)	m³	108

SIZE and WEIGHT

Open Type	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
	7500	4400	1776	2341	1500
CANOPY	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)



AK 96 Image not found of type unknown 	11150	7500	2300	2508	1500
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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
 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
- Four Pole Contactor
- Three Pole Contactor

OTHER ACCESSORIES

- Tool kit for maintenance
- Trailer
- Inlet and outlet acoustic baffles
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C
- Inlet and outlet motorised louvers
- 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

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



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		AK 96
WIDTH	mm.	2300
LENGTH	mm.	7500
HEIGHT	mm.	2508
TANK CAPACITY (lt.)	Lt.	1500