



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 1594-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	CUMMINS - KTA50-G3 60Hz
Alternator Made and Model	Mecc Alte - ECO 43-2L/4 A - 60Hz
Control Panel Model	DSE 7320
Canopy	AK 98


3 Phase, 50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
480/277	1594	1275.20	1403	1122.40	1917.34
380/220	1451	1160.80	1320	1056.00	2204.63

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		KTA50-G3 60Hz
NO. OF CYLINDERS AND BUILD		16 cylinders - V type
BORE AND STROKE	mm	159 X 159
TOTAL DISPLACEMENT	L	50.3

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



Aspiration		Turbo Charged and AfterCooled	
COMPRESSION RATIO		13.9:1	
RATED SPEED (RPM)	d/dk	1800	
OIL CAPACITY	L	177	
Standby Power (kW/HP)		1380/1850	
Prime Power		1220/1635	
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)			
		4x143	
Charge Alternator (A)			
		35	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		1770	
Coolant Capacity (engine only / with radiator) (lt)			
		161/415	
Air Filter			



	Dry Type		
Fuel Cons. Prime With %100 Load (lt/hr)			
		291	
Fuel Cons. Prime With %75 Load (lt/hr)			
		222	
Fuel Cons. Prime With %50 Load (lt/hr)			
		157	


ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 43-2L/4 A - 60Hz
Frequency (Hz)	Hz	60
Power (kVA)	kVA	1056
DESIGN		4 Pole, Brushless
VOLTAGE	V	380



Phase		3
A.V.R.		DER1
Voltage Regulation	(+/-)	0.5
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		2660
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.)
	10000	4935	2100	2500	2000
CANOPY	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)

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AK 98



14350

9000

2270

2581

1900

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
- 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