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 1675
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	CUMMINS - KTA50-GS8
Alternator Made and Model	Mecc Alte - ECO 46-1.5S/4 A
Control Panel Model	DSE 7320
Canopy	AK 98-AP1650

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	
400/231	1675	1340.0	1500	1200.00	2417.73

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-GS8
NO. OF CYLINDERS AND BUILD		16 cylinders - V type
BORE AND STROKE	**mm**	159 X 159
TOTAL DISPLACEMENT	**L**	50.3
Aspiration		Turbo Charged and AfterCooled

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COMPRESSION RATIO		14.9:1
RATED SPEED (RPM)	**d/dk**	1500
OIL CAPACITY	**L**	204
Standby Power (kW/HP)		1429/1915
Prime Power		1287/1725
Block Heater QTY		2
Block Heater Power (Watt)		3000
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		Cummins PT

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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)		2631
Coolant Capacity (engine only / with radiator) (lt)		165/420
Air Filter		Dry Type

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Fuel Cons. Prime With %100 Load (lt/hr)			
		309	
Fuel Cons. Prime With %75 Load (lt/hr)			
		238	
Fuel Cons. Prime With %50 Load (lt/hr)			
		167	

ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 46-1.5S/4 A
Frequency (Hz)	**Hz**	50
Power (kVA)	**kVA**	1650
DESIGN		Brushless
VOLTAGE	**V**	400
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)		3380
COOLING AIR (m^3/min)	**m^3**	135

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	10400	5454	1950	2446	2000
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
AK 98-AP1650	15100	9000	2270	2648	1900

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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
Generators Sets' voltage and frequency regulation comply with ISO 8528-5

OPTIONAL EQUIPMENTS

ENGINE
• Remote Radiator Cooling
• Fuel-Water Seperator Filter
• Oil heater
ALTERNATOR
• Anti-Condensation Heater
• Over sized alternator
• PMG excitation + AVR
• Main line circuit breaker
CONTROL SYSTEM
• Automatic synchronising and power control system (multi gen-set Parallel)
• Paralel system with mains.
• Transition synchronization with mains
• Remote annunciator panel
• Remote relay output
• Alarm output relays
• Remote communication with modem
• Earth fault, single set
• Charge Ammeter
TRANSFER SWITCH
• Three or four pole contactor
• Three or four pole motor operated circuit breaker

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OTHER ACCESSORIES

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

INTRODUCTION

STANDARD SPECIFICATIONS

CANOPY MODEL		AK 98-AP1650
WIDTH	**mm.**	2270
LENGTH	**mm.**	9000
HEIGHT	**mm.**	2648
TANK CAPACITY (lt.)	**Lt.**	1900

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