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	AP 1400-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	PERKINS - 4012-46TWG2A - 60Hz
Alternator Made and Model	Mecc Alte - ECO 43-2L/4 A - 60Hz
Control Panel Model	DSE 7320
Canopy	AK 96-AP1400

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	1400	1120.00	1270	1016.00	1683.99
380/220	1385	1108.00	1255	1004.00	2104.35

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		PERKINS
Engine Model		4012-46TWG2A - 60Hz
NO. OF CYLINDERS AND BUILD		12 cylinders - V type
BORE AND STROKE	**mm**	160 X 190
TOTAL DISPLACEMENT	**L**	45.482

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Aspiration		Turbo Charged and Charge Air Cooled
COMPRESSION RATIO		13.6:1
RATED SPEED (RPM)	**d/dk**	1800
OIL CAPACITY	**L**	177
Standby Power (kW/HP)		1224/1641
Prime Power		1113/1492
Block Heater QTY		2
Block Heater Power (Watt)		3000
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		

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	Delphi		
Governor System			
		Electronic	
Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		4x143	
Charge Alternator (A)			
		40	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		1700	
Coolant Capacity (engine only / with radiator) (lt)			
		73/201	
Air Filter			

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	Dry Type		
Fuel Cons. Prime With %100 Load (lt/hr)			
		298	
Fuel Cons. Prime With %75 Load (lt/hr)			
		266	
Fuel Cons. Prime With %50 Load (lt/hr)			
		209	

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

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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 (m^3/min)	**m^3**	108

SIZE and WEIGHT

Open Type	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
		4922	1897	2366	
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**

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AK 96-AP1400		7500	2300	2495	1900

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

ENGINE
• Remote Radiator Cooling
• Fuel-Water Seperator Filter
• Oil heater
ALTERNATOR
• Anti-Condensation Heater
• Over sized alternator
• Main line circuit breaker
CONTROL SYSTEM
• Automatic synchronising and power control system (multi gen-set Parallel)
• Transition synchronization with mains
• Remote annunciator panel
• Remote relay output
• Alarm output relays
• Remote communication with modem
• Earth fault, single set
• Charge Ammeter

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TRANSFER SWITCH
- Three or four pole contactor
- Three or four pole motor operated circuit breaker

OTHER ACCESSORIES
- Main Fuel Tank
- Automatic or manual fuel filling system
- Manual oil drain pump
- 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
- Supplied with oil and coolant - 30 °C

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-ssembled, 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

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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 applications needs.
Aksa makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level test has been aproved by the notified body Szutest

CANOPY MODEL		AK 96-AP1400
WIDTH	**mm.**	2300
LENGTH	**mm.**	7500
HEIGHT	**mm.**	2495
TANK CAPACITY (lt.)	**Lt.**	1900

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