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

TS ISO 9001-2008

CE

SZUTEST

2000/14/EC

General Characteristics

Model Name	AP 220
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	PERKINS - 1106A-70TAG4
Alternator Made and Model	Mecc Alte - ECO 38-2S/4 C
Control Panel Model	DSE 7320
Canopy	AK 49 TRP

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	220	176.0	200	160.0	317.55

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		1106A-70TAG4
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	**mm**	105 X 135
TOTAL DISPLACEMENT	**L**	7.01
Aspiration		Turbo Charged and Charge Air Cooled

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COMPRESSION RATIO		16.0:1
RATED SPEED (RPM)	**d/dk**	1500
OIL CAPACITY	**L**	18
Standby Power (kW/HP)		196.3/263,13
Prime Power		178.9/239,81
Block Heater QTY		1
Block Heater Power (Watt)		1500
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		Delphi DP210G Rotary Type

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Governor System			
		Electronic	
Operating Voltage (Vdc)			
		12 Vdc	
Battery and Capacity (Qty/Ah)			
		1x85	
Charge Alternator (A)			
		65	
Cooling Method			
		Water Cooled	
Coolant Capacity (engine only / with radiator) (lt)			
		/21	
Air Filter			
		Dry Type	
Fuel Cons. Prime With %100 Load (lt/hr)			
		45.8	

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Fuel Cons. Prime With %75 Load (lt/hr)			
		34.7	
Fuel Cons. Prime With %50 Load (lt/hr)			
		23.1	

ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 38-2S/4 C
Frequency (Hz)	**Hz**	50
Power (kVA)	**kVA**	200
DESIGN		Brushless
VOLTAGE	**V**	400
Phase		3
A.V.R.		DSR
Voltage Regulation	**(+/-)**	1

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Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		550
COOLING AIR (m^3/min)	**m^3**	32

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	1750	2300	1080	1655	340
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
AK 49 TRP Image not found or type unknown	2220	3404	1136	2020	340

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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
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

ENGINE
• Fuel-Water Seperator Filter
• Low water level alarm
• Oil heater
ALTERNATOR
• Anti-Condensation Heater
• Over sized alternator
• Main line circuit breaker
CONTROL SYSTEM
• 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
OTHER ACCESSORIES
• Main Fuel Tank
• Automatic or manual fuel filling system
• Manual oil drain pump
• Residential silencer
• Enclosure: weater protective or sound attenuated

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- Duct adapter (on radiator)
- Inlet and outlet motorised louvers
- Inlet and outlet acoustic baffles
- Trailer
- Tool kit for maintenance
- Supplied with oil and coolant - 30 °C
- Battery isolating switch

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
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 49 TRP
WIDTH	**mm.**	1147
LENGTH	**mm.**	3402
HEIGHT	**mm.**	2008
TANK CAPACITY (lt.)	**Lt.**	340

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