



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

ISO 14001-2004

TS ISO 8528

TS ISO 9001-2008

CE

SZUTEST

2000/14/EC

General Characteristics

Model Name	AP1680-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	PERKINS - 4012-46TAG2A - 60Hz
Alternator Made and Model	Mecc Alte - ECO 46-1S/4 A - 60Hz
Control Panel Model	DSE 7320

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


Canopy

AK 98-AP1650

3 Phase, 50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
480/277	1680	1344.00	1530	1224.00	2020.79
380/220	1670	1336.00	1520	1216.00	2537.38

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	PERKINS
Engine Model	4012-46TAG2A - 60Hz
NO. OF CYLINDERS AND BUILD	12 cylinders - V type
BORE AND STROKE	mm 160 X 190

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TOTAL DISPLACEMENT	L	45.842
Aspiration		Turbo Charged
COMPRESSION RATIO		13.0:1
RATED SPEED (RPM)	d/dk	1800
OIL CAPACITY	L	177
Standby Power (kW/HP)		1459/1984.24
Prime Power		1331/1810.16
Block Heater QTY		
		2
Fuel Type		
		Diesel
Injection Type and System		
		Direct
Type of Fuel Pump		
		Delphi



Governor System			
		Electronic	
Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		4x143	
Charge Alternator (A)			
		55	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		1888	
Coolant Capacity (engine only / with radiator) (lt)			
		/196	
Air Filter			
		Dry Type	



Fuel Cons. Prime With %100 Load (lt/hr)			
		315	
Fuel Cons. Prime With %75 Load (lt/hr)			
		246	
Fuel Cons. Prime With %50 Load (lt/hr)			
		169	


ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 46-1S/4 A - 60Hz
Frequency (Hz)	Hz	60
Power (kVA)	kVA	1240
DESIGN		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)		3010
COOLING AIR (m³/min)	m³	162

SIZE and WEIGHT

Open Type	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
		4920	2120	2410	2000
CANOPY	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
AK 98-AP1650		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

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

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

STANDARD SPECIFICATIONS

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