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 NameAP 825
Frequency (Hz)50
Fuel TypeDiesel
Engine Made and ModelPERKINS - 4006-23TAG2A
Alternator Made and ModelMecc Alte - ECO 40-VL/4 C
Control Panel ModelDSE 7320
CanopyAK 91

3 Phase, 50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
400/231	825	660.00	750	600.00	1190.82

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

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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		4006-23TAG2A
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	**mm**	160 X 190
TOTAL DISPLACEMENT	**L**	22.921
Aspiration		Turbo Charged
COMPRESSION RATIO		13.6:1
RATED SPEED (RPM)	**d/dk**	1500
OIL CAPACITY	**L**	113.4
Standby Power (kW/HP)		721/966,48
Prime Power		658/882,03

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Block Heater QTY		1
Block Heater Power (Watt)		4000
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		Mechanical
Governor System		Electronic
Operating Voltage (Vdc)		24 Vdc
Battery and Capacity (Qty/Ah)		2x143

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Charge Alternator (A)	55
Cooling Method	Water Cooled
Cooling Fan Air Flow (m3/min)	870
Coolant Capacity (engine only / with radiator) (lt)	/120
Air Filter	Dry Type
Fuel Cons. Prime With %100 Load (lt/hr)	161
Fuel Cons. Prime With %75 Load (lt/hr)	122
Fuel Cons. Prime With %50 Load (lt/hr)	83

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A

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 40-VL/4 C
Frequency (Hz)	**Hz**	50
Power (kVA)	**kVA**	750
DESIGN		4 Pole, Brushless
VOLTAGE	**V**	400
Phase		3
A.V.R.		DER1
Voltage Regulation	**(+/-)**	0.5
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		1750

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COOLING AIR (m^3/min)	**m^3**	54

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	5250	4100	1705	2270	1500
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
AK 91 Image not found or type unknown	7300	5920	2286	2340	1100

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

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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
- 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)
- 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

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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
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 91
WIDTH	**mm.**	2200
LENGTH	**mm.**	5920
HEIGHT	**mm.**	2353
TANK CAPACITY (lt.)	**Lt.**	1100

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