



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	APD 220 A
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	AKSA - A6CRX97TI
Alternator Made and Model	Aksa - AK 4160
Control Panel Model	DSE 6020
Canopy	ASM 7

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	176.00	200	160.00	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 period of operation.

ENGINE SPECIFICATIONS

Engine		AKSA
Engine Model		A6CRX97TI
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	mm	126 X 130
TOTAL DISPLACEMENT	L	9,73
Aspiration		Turbo Charged and Intercooled(Water to Air)

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COMPRESSION RATIO		16.5:1	
RATED SPEED (RPM)	d/dk	1500	
OIL CAPACITY	L	16	
Standby Power (kW/HP)		252/338	
Block Heater QTY			
		1	
Block Heater Power (Watt)			
		1500	
Fuel Type			
		Diesel	
Injection Type and System			
		Direct	
Type of Fuel Pump			
		P pump	
Governor System			
		Electronic	

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Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		2x120	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		450	
Coolant Capacity (engine only / with radiator) (lt)			
		/65	
Air Filter			
		Dry Type	
Fuel Cons. Prime With %100 Load (lt/hr)			
		54.1	
Fuel Cons. Prime With %75 Load (lt/hr)			
		40.6	



Fuel Cons. Prime With %50 Load (lt/hr)		
		27.1


ALTERNATOR SPECIFICATIONS

Manufacturer		Aksa
Alternator Made and Model		AK 4160
Frequency (Hz)	Hz	50
Power (kVA)	kVA	200
DESIGN		Brushless
VOLTAGE	V	400
Phase		3
A.V.R.		SX440
Voltage Regulation	(+/-)	1
Insulation System		H
Protection		IP22



Rated Power Factor	0.8
WEIGHT COMP. GENERATOR (Kg)	626
COOLING AIR (m³/min)	m ³ 30.84

SIZE and WEIGHT

Open Type	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
	-	-	-	-	
CANOPY	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
ASM 7	2980	3918	1463	2163	526

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

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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 Separator Filter
- Oil heater

ALTERNATOR

- Anti-Condensation Heater
- Main line circuit breaker

CONTROL SYSTEM

- Charge Ammeter

TRANSFER SWITCH

- Three Pole Contactor
- 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
- Low and high fuel level alarm
- Enclosure: weater protective or sound attenuated
- Trailer
- Tool kit for maintenance

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 (8 – 275kVA) fit directly to the open generator set to 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 base-tank are pre-assembled, 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.



CANOPY MODEL		ASM 7
WIDTH	mm.	1463
LENGTH	mm.	3918
HEIGHT	mm.	2163
TANK CAPACITY (lt.)	Lt.	526