INTRODUCTION

Aksa power generation system, providing optimum performance, and reliability, for stationary standby applications. All generator sets are factory build, and production tested.

Certificate

TS ISO 8528

CE

SZUTEST

2000/14/EC

General Characteristics

Model Name	APD 310 C
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	CUMMINS - 6LTAA9.5-G3
Alternator Made and Model	Aksa - AK 5240
Control Panel Model	DSE 7320
Canopy	MS 60 CK

3 Phase, 50 Hz, PF 0.8

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

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
400/231	310	248.00	279	223.20	447.46

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		CUMMINS
Engine Model		6LTAA9.5-G3
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	**mm**	116.5 X 148
TOTAL DISPLACEMENT	**L**	9.50
Aspiration		Turbo Charged and Charge Air Cooled

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COMPRESSION RATIO		16.6:1
RATED SPEED (RPM)	**d/dk**	1500
OIL CAPACITY	**L**	32.4
Standby Power (kW/HP)		280/375
Prime Power		250/335
Block Heater QTY		1
Block Heater Power (Watt)		3000
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		Mechanical

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Governor System		Electronic
Operating Voltage (Vdc)		24 Vdc
Battery and Capacity (Qty/Ah)		2x85
Cooling Method		Water Cooled
Cooling Fan Air Flow (m3/min)		550
Coolant Capacity (engine only / with radiator) (lt)		11.1/65.1
Air Filter		Dry Type
Fuel Cons. Prime With %100 Load (lt/hr)		58

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Fuel Cons. Prime With %75 Load (lt/hr)			
		44	
Fuel Cons. Prime With %50 Load (lt/hr)			
		30	

ALTERNATOR SPECIFICATIONS

Manufacturer		Aksa
Alternator Made and Model		AK 5240
Frequency (Hz)	**Hz**	50
Power (kVA)	**kVA**	300
DESIGN		Brushless
VOLTAGE	**V**	400
Phase		3
A.V.R.		SX440
Voltage Regulation	**(+/-)**	1

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Insulation System		H
Protection		IP22
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		940
COOLING AIR (m^3/min)	**m^3**	29.16

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	2660	2840	1300	1845	470
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
MS 60 CK Image not found or type unknown	3350	3963	1356	2171	470

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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
- Main line circuit breaker

CONTROL SYSTEM

- Earth fault, single set

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- 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 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.

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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		MS 60 CK
WIDTH	**mm.**	1356
LENGTH	**mm.**	3963
HEIGHT	**mm.**	2171
TANK CAPACITY (lt.)	**Lt.**	470

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