



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 450 CE
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	CUMMINS - QSZ13-G7 50Hz EPA Tier 3
Alternator Made and Model	Aksa - AK 6371
Control Panel Model	DSE 7320
Canopy	MS 70 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	450	360.00	400	320.00	649.54

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		CUMMINS
Engine Model		QSZ13-G7 50Hz EPA Tier 3
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	mm	130 X 163
TOTAL DISPLACEMENT	L	13
Aspiration		Turbo Charged and Charge Air Cooled



COMPRESSION RATIO		17:1	
RATED SPEED (RPM)	d/dk	1500	
OIL CAPACITY	L	61.2	
Standby Power (kW/HP)		419/561	
Prime Power		367/492	
Block Heater QTY			
		1	
Block Heater Power (Watt)			
		4000	
Fuel Type			
		Diesel	
Injection Type and System			
		XPI	
Governor System			
		Electronic	



Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		2x120	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		543.6	
Coolant Capacity (engine only / with radiator) (lt)			
		23.1/62.1	
Air Filter			
		Dry Type	
Fuel Cons. Prime With %100 Load (lt/hr)			
		89.2	
Fuel Cons. Prime With %75 Load (lt/hr)			
		72	


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

52.9

ALTERNATOR SPECIFICATIONS



Manufacturer		Aksa
Alternator Made and Model		AK 6371
Frequency (Hz)	Hz	50
Power (kVA)	kVA	464
DESIGN		Brushless
VOLTAGE	V	400
Phase		3
A.V.R.		SX440
Voltage Regulation	(+/-)	1
Insulation System		H
Protection		IP23

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



Rated Power Factor	0.8
WEIGHT COMP. GENERATOR (Kg)	1263
COOLING AIR (m³/min)	m ³ 62.1

SIZE and WEIGHT

Open Type	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
	3650	3180	1550	2291	700
CANOPY	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
MS 70 CK 	4520	4463	1606	2559	700

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

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



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 Separator Filter
- Low water level alarm
- Oil heater

ALTERNATOR

- Anti-Condensation Heater
- Main line circuit breaker

CONTROL SYSTEM

- Earth fault, single set
- 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