



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 Name	AC 1151-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	CUMMINS - QST30-G3 60Hz
Alternator Made and Model	Stamford - HCI 634 J - 60Hz
Control Panel Model	DSE 7320
Canopy	AK 96

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	
480/277	1148.75	919.00	1148.75	919.00	1381.77
380/220	1131.25	905.00	1028.75	823.00	1718.81
208/120	1143.75	915.00	1030	824.00	3174.83

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		QST30-G3 60Hz
NO. OF CYLINDERS AND BUILD		12 cylinders - V type
BORE AND STROKE	mm	140 X 165

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TOTAL DISPLACEMENT	L	30.48	
Aspiration		Turbo Charged and AfterCooled	
COMPRESSION RATIO		14.0	
RATED SPEED (RPM)	d/dk	1800	
OIL CAPACITY	L	154	
Standby Power (kW/HP)		1007/1350	
Prime Power		910/1220	
Block Heater QTY			
		1	
Block Heater Power (Watt)			
		3000	
Fuel Type			
		Diesel	
Injection Type and System			
		Direct	



Type of Fuel Pump			
		Bosch P8500 LLA	
Governor System			
		CM 570	
Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		2x143	
Charge Alternator (A)			
		35	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		1517	
Coolant Capacity (engine only / with radiator) (lt)			
		371	



Air Filter			
		Dry Type	
Fuel Cons. Prime With %100 Load (lt/hr)			
		207	
Fuel Cons. Prime With %75 Load (lt/hr)			
		154	
Fuel Cons. Prime With %50 Load (lt/hr)			
		106	

ALTERNATOR SPECIFICATIONS


Manufacturer		Stamford
Alternator Made and Model		HCI 634 J - 60Hz
Frequency (Hz)	Hz	60
Power (kVA)	kVA	823,4
DESIGN		4 Pole, Brushless
VOLTAGE	V	380

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Phase		3
A.V.R.		MX321
Voltage Regulation	(+/-)	0.5
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		2279
COOLING AIR (m³/min)	m³	117,7

SIZE and WEIGHT

Open Type	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
	7300	4400	1776	2341	1500
CANOPY	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)

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AK 96 	10950	7500	2300	2508	1500
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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

TRANSFER SWITCH

- Three or four pole motor operated circuit breaker
- Four Pole Contactor
- Three Pole Contactor

OTHER ACCESSORIES

- Tool kit for maintenance
- Trailer
- Inlet and outlet acoustic baffles
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C
- Inlet and outlet motorised louvers
- Low and high fuel level alarm
- Electrical oil drain pump
- Automatic or manual fuel filling system
- Duct adapter (on radiator)
- Enclosure: weater protective or sound attenuated



- Residential silencer

CONTROL SYSTEM

- Remote communication with modem
- Alarm output relays
- Charge Ammeter
- Earth fault, single set
- Remote relay output
- Parallel system with mains.
- Automatic synchronising and power control system (multi gen-set Parallel)
- Remote annunciator panel
- Transition synchronization with mains

ENGINE

- Oil heater
- Fuel-Water Separator Filter
- Remote Radiator Cooling

ALTERNATOR

- Main line circuit breaker
- Over sized alternator
- Anti-Condensation Heater

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.

STANDARD SPECIFICATIONS

Compact footprint, low profile design.

Enclosure, generator set, exhaust system and fuel 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

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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 application's needs.
Aksa makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level test has been approved by the notified body Szutest

CANOPY MODEL		AK 96
WIDTH	mm.	2300
LENGTH	mm.	7500
HEIGHT	mm.	2508
TANK CAPACITY (lt.)	Lt.	1500