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 500-6
Frequency (Hz)	60
Fuel Type	Diesel
Engine Made and Model	CUMMINS - QSX15-G8 - 60Hz
Alternator Made and Model	Stamford - HCI 544 C - 60Hz
Control Panel Model	DSE 7320
Canopy	MS 80

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	500	400.00	454	363.20	601.42
380/220	495	396.00	450	360.00	752.10
208/120	499	399.20	450	360.00	1385.13

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		QSX15-G8 - 60Hz
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	**mm**	137 X 169

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TOTAL DISPLACEMENT	**L**	14.9
Aspiration		Turbo Charged and Charge Air Cooled
COMPRESSION RATIO		17.2:1
RATED SPEED (RPM)	**d/dk**	1800
OIL CAPACITY	**L**	90.8
Standby Power (kW/HP)		455/610
Prime Power		414/555
Block Heater QTY		1
Block Heater Power (Watt)		3000
Fuel Type		Diesel
Injection Type and System		XPI

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Type of Fuel Pump		HPCR (High Pressure Common Rail)
Governor System		ECM
Operating Voltage (Vdc)		24 Vdc
Battery and Capacity (Qty/Ah)		2x120
Charge Alternator (A)		30
Cooling Method		Water Cooled
Coolant Capacity (engine only / with radiator) (lt)		33/66
Air Filter		Dry Type

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Fuel Cons. Prime With %100 Load (lt/hr)			
		99	
Fuel Cons. Prime With %75 Load (lt/hr)			
		76	
Fuel Cons. Prime With %50 Load (lt/hr)			
		54	

ALTERNATOR SPECIFICATIONS

Manufacturer		Stamford
Alternator Made and Model		HCI 544 C - 60Hz
Frequency (Hz)	**Hz**	60
Power (kVA)	**kVA**	479.6
DESIGN		4 Pole, Brushless
VOLTAGE	**V**	380
Phase		3

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A.V.R.		AS440
Voltage Regulation	**(+/-)**	1
Insulation System		H
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		1263
COOLING AIR (m^3/min)	**m^3**	78,7

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	3905	3377	1550	2103	850
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**

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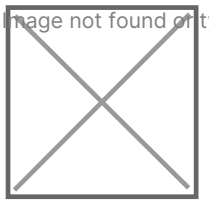
MS 80 	4905	4807	1606	2485	850

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
- Double wall chassis
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C
- Inlet and outlet motorised louvers
- Electrical oil drain pump
- Manual oil drain pump
- Automatic or manual fuel filling system
- Low and high fuel level alarm
- 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
- Paralel system with mains.
- Automatic synchronising and power control system (multi gen-set Parallel)
- Remote annunciator panel
- Transition synchronization with mains

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ENGINE
- Oil heater
- Fuel-Water Seperator Filter

ALTERNATOR
- PMG excitation + AVR
- Main line circuit breaker
- Anti-Condensation Heater
- Over sized alternator

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
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		MS 80
WIDTH	**mm.**	1606
LENGTH	**mm.**	4807
HEIGHT	**mm.**	2485

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TANK CAPACITY (lt.)	**Lt.**	850

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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