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

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	AD 509-6
Frequency (Hz)	60

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

Fuel Type	Diesel
Engine Made and Model	HYUNDAI - P 158 LE - 60Hz
Alternator Made and Model	Stamford - HCI 444 F - 60Hz
Control Panel Model	DSE 7320
Canopy	MS 70

3 Phase, 50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
480/277	508.75	407.00	447.5	358.00	611.95
380/220	456.25	365.00	415	332.00	693.22
208/120	503.75	403.00	440	352.00	1398.31

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.

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ENGINE SPECIFICATIONS

Engine		HYUNDAI
Engine Model		P 158 LE - 60Hz
NO. OF CYLINDERS AND BUILD		8 cylinders - V type
BORE AND STROKE	**mm**	128 X 142
TOTAL DISPLACEMENT	**L**	14.618
Aspiration		Turbo Charged and Intercooled (Air to Air)
COMPRESSION RATIO		15.0:1
RATED SPEED (RPM)	**d/dk**	1800
OIL CAPACITY	**L**	21
Standby Power (kW/HP)		458/614
Block Heater QTY		1
Block Heater Power (Watt)		

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	3000		
Fuel Type			
		Diesel	
Injection Type and System			
		Direct	
Type of Fuel Pump			
		Bosh In-Line P Type	
Governor System			
		Electronic	
Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		2x120	
Charge Alternator (A)			
		45	
Cooling Method			

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	Water Cooled		
Cooling Fan Air Flow (m3/min)			
		410	
Coolant Capacity (engine only / with radiator) (lt)			
		20/52	
Air Filter			
		Dry Type	
Fuel Cons. Prime With %100 Load (lt/hr)			
		102.5	
Fuel Cons. Prime With %75 Load (lt/hr)			
		74.7	
Fuel Cons. Prime With %50 Load (lt/hr)			
		50.6	

ALTERNATOR SPECIFICATIONS

Manufacturer	Stamford

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Alternator Made and Model		HCI 444 F - 60Hz
Frequency (Hz)	**Hz**	60
Power (kVA)	**kVA**	400
DESIGN		Brushless
VOLTAGE	**V**	400
Phase		3
A.V.R.		AS440
Voltage Regulation	**(+/-)**	1
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		1160
COOLING AIR (m^3/min)	**m^3**	59,4

SIZE and WEIGHT

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Open Type	DRY WEIGHT (kg.) (kg.)	LENGTH (mm.)	WIDTH (mm.)	HEIGHT (mm.)	TANK CAPACITY (lt.) (Lt.)
Image not found or type unknown	3130	3031	1550	1994	700
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
MS 70 Image not found or type unknown	4150	4434	1606	2496	700

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OPTIONAL EQUIPMENTS

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

OTHER ACCESSORIES
- Trailer
- Inlet and outlet acoustic baffles
- Inlet and outlet motorised louvers
- Tool kit for maintenance
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C
- 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
- Transition synchronization with mains
- Automatic synchronising and power control system (multi gen-set Parallel)
- Remote relay output
- Remote annunciator panel

ENGINE
- Oil heater
- Fuel-Water Seperator Filter

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

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

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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
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 70
WIDTH	**mm.**	1606
LENGTH	**mm.**	4434
HEIGHT	**mm.**	2424
TANK CAPACITY (lt.)	**Lt.**	700

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