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

TS ISO 9001-2008

CE

SZUTEST

2000/14/EC

General Characteristics

Model Name	AD 510
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	HYUNDAI - DP158LC
Alternator Made and Model	Aksa - AK 6371
Control Panel Model	DSE 7320
Canopy	MS 70 TRP

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	
400/231	510	408.0	460	368.0	736.14

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		HYUNDAI
Engine Model		DP158LC
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)

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COMPRESSION RATIO		15.0:1
RATED SPEED (RPM)	**d/dk**	1500
OIL CAPACITY	**L**	22
Standby Power (kW/HP)		449/610
Prime Power		408/555
Block Heater QTY		1
Block Heater Power (Watt)		3000
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		WEIFU in-line "P" type

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Governor System			
		Electronic	
Operating Voltage (Vdc)			
		24 Vdc	
Battery and Capacity (Qty/Ah)			
		2x120	
Charge Alternator (A)			
		45	
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		550	
Coolant Capacity (engine only / with radiator) (lt)			
		20/79.1	
Air Filter			
		Dry Type	

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Fuel Cons. Prime With %100 Load (lt/hr)			
		99.6	
Fuel Cons. Prime With %75 Load (lt/hr)			
		72.9	
Fuel Cons. Prime With %50 Load (lt/hr)			
		48.9	

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

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A.V.R.		SX440
Voltage Regulation	**(+/-)**	1
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		1263
COOLING AIR (m^3/min)	**m^3**	62.1

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	3190	2900	1550	2062	700
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**

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MS 70 TRP Image not found or type unknown	4140	4434	1606	2518	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
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
• Oil heater

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

CONTROL SYSTEM
• Automatic synchronising and power control system (multi gen-set Parallel)
• Transition synchronization with mains
• Remote annunciator panel
• Remote relay output
• Alarm output relays

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- Remote communication with modem
- 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
- Electrical oil drain pump
- Low and high fuel level alarm
- Residential silencer
- Enclosure: weater protective or sound attenuated
- Duct adapter (on radiator)
- Inlet and outlet motorised louvers
- Inlet and outlet acoustic baffles
- Trailer
- Tool kit for maintenance
- Automatic transfer switch

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