ALTERNATOR SPECIFICATIONS

Manufacturer		Aksa
Alternator Made and Model		AK 4140
Frequency (Hz)	**Hz**	50
Power (kVA)	**kVA**	175
DESIGN		4 Pole, Brushless
VOLTAGE	**V**	400
Phase		3
A.V.R.		SX440
Voltage Regulation	**(+/-)**	1%
Insulation System		H
Protection		IP22
Rated Power Factor		0,8
WEIGHT COMP. GENERATOR (Kg)		530

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COOLING AIR (m^3/min)	**m^3**	30.84

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	1750	2425	1150	1847	380
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**
AK 50 TRP Image not found or type unknown	2050	3404	1157	1930	380

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

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Industrial exhaust silencer and steel bellows supplied separately(for open sets)
Static battery charger
Manual for application and installation
Generators Sets' voltage and frequency regulation comply with ISO 8528-5

OPTIONAL EQUIPMENTS

ENGINE
- Fuel-Water Seperator Filter
- Low water level alarm
- Oil heater

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

CONTROL SYSTEM
- Remote annunciator panel
- Remote relay output
- Alarm output relays
- 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
- 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
- 1500/3000 hours maintenance kit

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- Supplied with oil and coolant - 30 °C
- Battery isolating switch
- Automatic transfer switch

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 185
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	HYUNDAI - P086TI-1
Alternator Made and Model	Aksa - AK 4140
Control Panel Model	DSE 7320

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Canopy	AK 50 TRP

3 Phase, 50 Hz, PF 0.8

VOLTAGE	STANDBY RATING (ESP)		PRIME RATING (PRP)		Standby Amper
	kVA	kW	kVA	kW	
400/231	185	148.00	168	134.40	267.03

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		P086TI-1
NO. OF CYLINDERS AND BUILD		6 cylinders - in line
BORE AND STROKE	**mm**	111 X 139
TOTAL DISPLACEMENT	**L**	8.071

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Aspiration		Turbo Charged and Intercooled (Air to Air)
COMPRESSION RATIO		16.4:1
RATED SPEED (RPM)	**d/dk**	1500
OIL CAPACITY	**L**	15.5
Standby Power (kW/HP)		164/223
Prime Power		149/203
Fuel Type		Diesel
Injection Type and System		Bosch type in-line
Type of Fuel Pump		Doowon in-line "P" type
Governor System		Electronic
Operating Voltage (Vdc)		

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	24 Vdc		
Cooling Method			
		Water Cooled	
Cooling Fan Air Flow (m3/min)			
		250	
Coolant Capacity (engine only / with radiator) (lt)			
		14/35.1	
Fuel Cons. Prime With %100 Load (lt/hr)			
		35.4	
Fuel Cons. Prime With %75 Load (lt/hr)			
		26.7	
Fuel Cons. Prime With %50 Load (lt/hr)			
		18.7	

INTRODUCTION

Sound–attenuated and Weather-protective Enclosures 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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STANDARD SPECIFICATIONS

Compact footprint, low profile design.
Enclosure, generator set, exhaust system and fuel tank are pre-ssembled, 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 applications needs.
Aksa makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level test has been aproved by the notified body Szutest

CANOPY MODEL		AK 50 TRP
WIDTH	**mm.**	1217
LENGTH	**mm.**	3402
HEIGHT	**mm.**	2007
TANK CAPACITY (lt.)	**Lt.**	380

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