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	APD 1650 M
Frequency (Hz)	50
Fuel Type	Diesel
Engine Made and Model	MITSUBISHI - S12R-PTAA2
Alternator Made and Model	Mecc Alte - ECO 46-1S/4 A
Control Panel Model	DSE 7320
Canopy	AK 99 - External Removable Silencer

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	1650	1320.0	1500	1200.0	2381.64

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		MITSUBISHI
Engine Model		S12R-PTAA2
NO. OF CYLINDERS AND BUILD		12 cylinders - V type
BORE AND STROKE	**mm**	170 X 180
TOTAL DISPLACEMENT	**L**	49.03
Aspiration		Turbo Charged and AfterCooled

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COMPRESSION RATIO		13.5:1
RATED SPEED (RPM)	**d/dk**	1500
OIL CAPACITY	**L**	180
Standby Power (kW/HP)		1441/1932
Prime Power		1314/1761
Block Heater QTY		2
Block Heater Power (Watt)		3000
Fuel Type		Diesel
Injection Type and System		Direct
Type of Fuel Pump		Mitsubishi PS6x2 (In-Line)

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Governor System		Electronic
Operating Voltage (Vdc)		24 Vdc
Battery and Capacity (Qty/Ah)		4x143
Charge Alternator (A)		30
Cooling Method		Water Cooled
Cooling Fan Air Flow (m3/min)		1800
Coolant Capacity (engine only / with radiator) (lt)		33/317
Air Filter		Dry Type

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Fuel Cons. Prime With %100 Load (lt/hr)			
		308	
Fuel Cons. Prime With %75 Load (lt/hr)			
		234.2	
Fuel Cons. Prime With %50 Load (lt/hr)			
		163.3	

ALTERNATOR SPECIFICATIONS

Manufacturer		Mecc Alte
Alternator Made and Model		ECO 46-1S/4 A
Frequency (Hz)	**Hz**	50
Power (kVA)	**kVA**	1500
DESIGN		Brushless
VOLTAGE	**V**	400
Phase		3

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A.V.R.		DER1
Voltage Regulation	**(+/-)**	0.5
Insulation System		H
Protection		IP23
Rated Power Factor		0.8
WEIGHT COMP. GENERATOR (Kg)		3010
COOLING AIR (m^3/min)	**m^3**	135

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	11400	4970	2212	3022	2000
CANOPY	**DRY WEIGHT (kg.) (kg.)**	**LENGTH (mm.)**	**WIDTH (mm.)**	**HEIGHT (mm.)**	**TANK CAPACITY (lt.) (Lt.)**

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AK 99 - External Removable Silencer Image not found or type unknown	15450	9000	2800	3307	2200

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
Generators Sets' voltage and frequency regulation comply with ISO 8528-5

OPTIONAL EQUIPMENTS

ENGINE
• Fuel-Water Seperator Filter
• Oil heater
ALTERNATOR
• Anti-Condensation Heater
• PMG excitation + AVR
• Main line circuit breaker
CONTROL SYSTEM
• Automatic synchronising and power control system (multi gen-set Parallel)
• Paralel system with mains.
• Transition synchronization with mains
• Remote relay output
• Alarm output relays

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- Remote communication with modem
- Earth fault, single set
- Charge Ammeter

TRANSFER SWITCH

- Three or 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
- 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
- Tool kit for maintenance
- 1500/3000 hours maintenance kit
- Supplied with oil and coolant - 30 °C

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 the 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 are fully guarded

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Fuel fill and battery can only be reached via lockable access doors.
Lifting points on the top of the 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 99 - External Removable Silencer
WIDTH	**mm.**	2800
LENGTH	**mm.**	9000
HEIGHT	**mm.**	3307
TANK CAPACITY (lt.)	**Lt.**	2200

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