

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.

Power

1 Phase,50 Hz, PF 1

Voltage (V)	STANDBY RATING (ESP)		PRIME RATING (PRP)		STANDBY CURRENT (A)
	kW	kVA	kW	kVA	
220	6,0	6,0	5,5	5,5	27,2

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 period of operation.

General Characteristics

Model Name	APB 7500-M
Frequency (Hz)	50
Fuel Type	Diesel
Engine Make and Model	Aksa HR188FA
Alternator Make and Model	Aksa 204x130
Control Panel Model	HGM4020CAN
Canopy	APB 7500 KABIN

Engine Specifications

General Data

Manufacturer	Aksa
Engine Model	HR188FA

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice. 11/06/2026
The stated values may vary depending on environmental conditions and operating circumstances.
Images may be subject to change.

Number of Cylinders / Type	1 cylinder
Bore mm (in)	88
Stroke mm (in)	75
Displacement l (cu. In)	546
Compression Ratio	14:1
Engine Speed (rpm)	3000
Rated Power (kW)	7
Rated Ouutput (hp)	9.5
Governor System	Electronic
Air Filter	Dry Air Filter

Lubrication System

Oil Capacity l (qal)	1.65

Fuel System

Fuel Type	Diesel
Injection Type	Direct
Type of Fuel Pump	Solenoid Valve Fuel Pump

Electrical System

Operating Voltage (Vdc)	220V
Battery and Capacity (Qty/Ah)	36

Cooling System

Cooling Method	Air Cooled

Fuel Consumption

Fuel Cons. @100% Prime Load l/h (kg/h)	1.8
Fuel Cons. @75% Prime Load l/h (kg/h)	1.4
Fuel Cons. @50% Prime Load l/h (kg/h)	1.1

Alternator Characteristics

Manufacturer	Aksa
Alternator Model	204x130
Frequency (Hz)	50
Voltage (V)	380

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Phase	1
A.V.R.	Mechanical
Voltage Regulation	1
Insulation Class	H
Protection Class	IP23
Temperature Rise Class	H

Canopy Characteristics

Length (mm)	890
Width (mm)	560
Height (mm)	780
Full Tank Capacity (l)	16
Weight (kg)	160

Control Panel

Manufacturer	HJ-301
Control Module Model	Digital Volt Meter



Standard Equipment

-High-quality, reliable, and complete power unit
-Compact design
-Easy starting and maintenance
-Each generator set undergoes a comprehensive test program including full load testing, checking and testing of all control and safety stop functions
-Complete engineering solution with a wide range of options and accessories: Cabin, soundproof canopy, and road-suitable trailer

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Aksa Certificates

Directive

- 2006/42/EC : Machinery Safety Directive
- 2014/30/EU : Electromagnetic Compatibility Directive
- 2014/35/EU : Low Voltage Directive

Standarts

- TS ISO 8528-5:2022 / TS EN ISO 8528-13:2018 : Reciprocating internal combustion engine-driven alternating current generating sets- Part:13: Safety

Quality Management Systems
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018
ISO 27001:2013
ISO 10002:2018

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