



Einführung

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.

Leistung

3 Phase, 50 Hz, PF 0.8

Spannung (V)	Bereitschaftsleistung (ESP)		Primärleistung		Standby-Strom
	kW	kVA	kW	kVA	
380 / 220	8,0	10	7.60	9.5	15

„STANDBY-RATING (ESP) Gilt für die Stromversorgung wechselnder elektrischer Lasten für die Dauer einer Stromunterbrechung einer zuverlässigen Versorgungsquelle. ESP entspricht ISO 8528-1. Überlast ist nicht erlaubt.“

PRIME RATING (PRP) Gilt für die Stromversorgung unterschiedlicher elektrischer Lasten für unbegrenzte Stunden. PRP entspricht ISO 8528-1. 10 % Überlast ist für einen Zeitraum von 1 Stunde innerhalb eines 12-stündigen Betriebszeitraums verfügbar.

Allgemeine Charakteristiken

Modellname	APB 12500-M
Frequenz (Hz)	50
Treibstoffart	Diesel
Motor Marke und Modell	Aksa HR1105FDE
Marke und Modell des Generators	Aksa 245x130(S)
Steuerung Modell	HGM4020CAN
Schalldämmhaube	APB 12500 KABIN

Motorspezifikationen

Allgemeine Daten

Hersteller	Aksa
Motor Modell	HR1105FDE
Anzahl der Zylinder	1 cylinder
Bohrung (mm)	105



Hub (mm.)	88
Hubraum (lt.)	761
Kompressionsrate	20:1
Motorumdrehungen (U/min)	3000
Prime Leistung (kW/PS)	13
Drehzahlregelung	Electronic
Luftfilter	UNKNOWN

Schmiersystem

Ölkapazität (lt)	2.2
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Kraftstoffsystem

Treibstoffart	Diesel
Injektionsart und -system	Direct
Typ der Kraftstoffpumpe	N/A

Elektrisches System

Betriebsspannung (Vdc)	UNKNOWN
Batterie und Kapazität (Menge/Ah)	36

Kühlsystem

Kühlungsmethode	Air Cooled
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Abgassystem

Kraftstoffverbrauch

Kraftstoffverbrauch Prime mit 100 % Leistung (l/h)	3.38
Kraftstoffverbrauch Prime mit 75 % Leistung (l/h)	2.58
Kraftstoffverbrauch Prime mit 50 % Leistung (l/h)	1.93

Eigenschaften des Generators

Hersteller	Aksa
Generatormodell	245x130(S)
Frequenz (Hz)	50
Spannung (V)	380
Phase	1
Regler	UNKNOWN
Spannungsregulierung	1



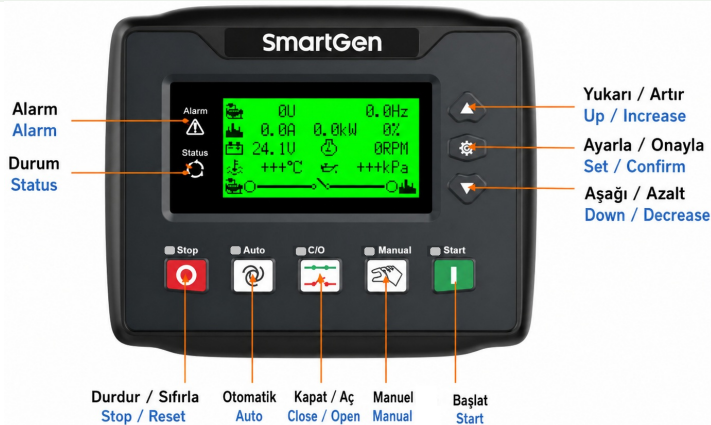
Isoliersystem	H
Schutz	IP23
Nennleistungsfaktor	1
Temperaturerhöhungs-Klasse	H

Eigenschaften der Schalldämmhaube

Länge (mm)	1130
Breite (mm)	750
Höhe (mm)	885
Trockengewicht (kg.)	241
Tankinhalt (lt.)	30

Steuerung

Hersteller	SmartGen
Steuerungsmodul Modell	HGM4020CAN
Kommunikationsanschlüsse	CANBUS



Standardgeräte

132×64 backlit LCD display.
 Selectable language support: Chinese, English, Spanish, Russian, Turkish, French, Portuguese, and Polish.
 Push-button operation.
 Durable hard acrylic screen protection with excellent wear and scratch resistance.
 Silicone panel and buttons suitable for operation in extreme temperature environments.
 RS485 communication interface supporting the following functions via MODBUS protocol:

- Remote Control
- Remote Monitoring
- Remote Communication

CANBUS communication port (HGM4020CAN model).
 Compatible with engine ECUs supporting the J1939 protocol.



Enables monitoring of the following ECU parameters:

- Engine coolant temperature
- Oil pressure
- Engine speed (RPM)
- Fuel consumption
- Other essential engine parameters

CANBUS functions include:

- Engine start
- Engine stop
- Speed increase
- Speed decrease

Suitable for the following electrical system configurations:

- 3-Phase 4-Wire
- 3-Phase 3-Wire
- Single-Phase 2-Wire
- 2-Phase 3-Wire

Operating voltage:

- 120/240 V

Operating frequency:

- 50 Hz / 60 Hz

Measures and displays the following generator or mains parameters:

- Three-phase voltages
- Currents
- Power values
- Frequency

Warnungen

Warning Alarms

High Temperature
Low Oil Pressure
Gen Over Current
Fail to Stop
Low Fuel Level
Charge Alt Failure
Battery Under Volt
Battery Over Volt
Auxiliary Input
Loss of Speed Signal



Low Coolant Level
Temp. Sensor Open
Oil Pressure Sensor Open
Level Sensor Open
Temp. Sensor 2 Open
Oil Pressure Sensor 2 Open
Coolant Level Sensor Open
High Temperature 2
Low Oil Pressure 2
Low Coolant Level
Maintenance Due
Gen Over Volt.
Gen Under Volt.
Gen Over Freq.
Gen Under Freq.
Charge Alt Failure
Over Power
ECU Warn

Shutdown Alarms

Emergency Stop
Over Speed
Under Speed
Loss of Speed Signal
Over Frequency
Under Frequency
Over Voltage
Under Voltage
Over Current
Fail to Start
High Temp.
Low Oil Pressure
No Generate Electricity
Low Fuel Level
Low Coolant Level
Temp. Sensor Open
Oil Pressure Sensor Open
Fuel Level Sensor Open
Temp. Sensor 2 Open
Pressure Sensor 2 Open
Coolant Level Sensor Open
High Temp. 2
Low Pressure 2
Low Coolant Level
Maintenance Due
Over Power
Digital Input Port
ECU Alarm
ECU Comm. Failure



Standard Ausrüstung

- 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

Aksa-Zertifikate

Richtlinie

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

Standards

- 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