



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.

3 Phase, 50 Hz, PF 0.8

| V         | (ESP) |      | (PRP) |      | (A) |
|-----------|-------|------|-------|------|-----|
|           | kW    | kVA  | kW    | kVA  |     |
| 380 / 220 | 10.0  | 12.5 | 9.52  | 11.9 | 19  |

备用额定值 (ESP) 适用于在可靠电源断电期间向变化的电力负载供电。

ESP符合ISO 8528-1。不允许过载。

主用功率 (PRP) 适用于在不受限制的时间内为变化的电力负载供电。PRP符合ISO 8528-1。在12小时的周期内允许1小时的10%过载能力。

|    |                 |
|----|-----------------|
|    | APB 12500-T     |
| Hz | 50              |
|    | Diesel          |
|    | Aksa HR1105FDE  |
|    | Aksa 245x130(T) |
|    | HGM4020CAN      |
|    | APB 12500 KABIN |

|    |            |
|----|------------|
|    | Aksa       |
|    | HR1105FDE  |
|    | 1 cylinder |
| mm | 105        |



|            |            |
|------------|------------|
| mm         | 88         |
| lt.        | 761        |
|            | 20:1       |
| rpm        | 3000       |
| kW/HP      | 13         |
|            | Electronic |
|            | UNKNOWN    |
| lt         | 2.2        |
|            | Diesel     |
|            | Direct     |
|            | N/A        |
| Vdc        | UNKNOWN    |
| /Ah        | 36         |
|            | Air Cooled |
| 100% lt/hr | 3.38       |
| 75% lt/hr  | 2.58       |
| 50% lt/hr  | 1.93       |
|            | Aksa       |
|            | 245x130(T) |
| Hz         | 50         |
| V          | 380        |
|            | 3          |
|            | UNKNOWN    |
|            | 1          |



H

IP23

H

1130

mm

750

mm

885

kg

241

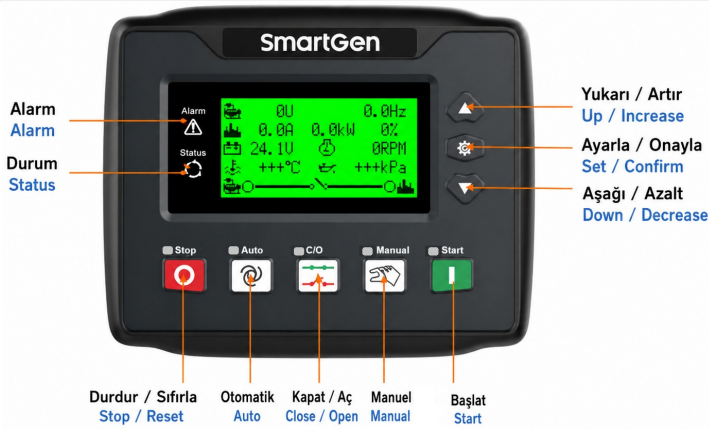
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SmartGen

HGM4020CAN

CANBUS



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

#### **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

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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



- 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

### 指令

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

### 标准

- 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