



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	
400 / 231	13.6	17	12.80	16	25

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 17 A
Hz	50
	Diesel
	Aksa A4CRX21
	Aksa SC164D
	HGM6120CAN
	ACP 1A-PB

	Aksa
	A4CRX21
	4 cylinders - in line
mm	85



mm	95
lt.	2.156
	18:1
rpm	1500
kW/HP	16.7/22.4
kW/HP	15.2/20.4
	1
	500
	Mechanic
	Dry Type
	Naturally Aspirated
lt	5.5
°C	120
	Diesel
	Direct
	Direct
Vdc	12 Vdc
/Ah	1x36
	Water Cooled
	5.5
m³/min	3.74
kPa	6
°C	500
lt	16.8
m³/min	112.64
Pa	125



100% lt/hr	4.59
75% lt/hr	3.54
50% lt/hr	2.6

Aksa

SC164D

Hz 50

V 400

3

MC460B

1

H

IP23

0,8

H

1672

mm 823

mm 1127

kg 600

lt 32

SmartGen

HGM6120CAN

CANBUS



1. Auto Mains Failure Control Panel

Panel Equipments:

- Control with HGM module
- Static battery charger
- Emergency stop push button

A) Generating set control module HGM6120CAN features:

- Configurable via PC software or the front panel
- 5 programmable inputs (configurable for digital or analog signals)
- 4 programmable relay outputs
- Monitors 3-phase generator and mains (utility) voltage
- Event log (50 records)
- Configurable timers and alarm protection thresholds
- Automatic shutdown or alarm upon fault detection
- Supports remote start/stop and load transfer
- Engine pre-heat control (relay output)
- Precision measurement and display of engine and electrical parameters
- Engine total run time accumulation
- Red LED indicators for alarms/shutdown
- LCD display with backlight, supports 8 language interfaces
- Front panel test button
- Modular design, flush mounting

B) Metering via LCD display:

- Generator Voltage (L-L / L-N)
- Generator Current (L1, L2, L3)
- Generator Frequency (Hz)
- Generator Power (Kw)
- Generator Power Factor (COS Φ)
- Accumulated Generator Energy (kWh)
- Load Percentage (%)
- Engine Oil Pressure (kPa / psi / bar)
- Engine Temperature ($^{\circ}\text{C}$ / $^{\circ}\text{F}$)
- Fuel Level (%)
- Battery Voltage (V)



- Charger Voltage (V)
- Mains Voltage (L-L / L-N)

C) Alarms:

- Under Speed / Over Speed
- Under Voltage / Over Voltage
- Under Frequency / Over Frequency
- Overload / Over Current / Overpower
- Low Engine Oil Pressure
- High Engine Coolant Temperature
- Low Fuel Level (Optional)
- Low / High Battery Voltage
- Emergency Stop
- Charge Fail
- Sensor Open Circuit
- Fail to Start
- ECU Communication Failure (for EFI engines)
- Maintenance Due
- Aftertreatment System Related Alarms (for aftertreatment EFI gensets)

2. Power Outlet Terminal Board Mounted on the Gen-set Base Frame

High quality, reliable and complete power unit

Compact design

Easy start and maintenance possibility

Every generating set is subject to a comprehensive test program which includes full load testing, checking and provision of all control and safety shut down functions testing

Fully engineered with a wide range of options and accessories: Canopy, sound proof canopy and on-road trailer



Oil heater

3/4 Pole Output Circuit Breaker
Anti-condensation Heater

Charge ammeter
Transfer Switch 3Pole
Transfer Switch 4 Pole
Earth Fault, single set

Bulk fuel tank
Automatic filling system
Fuel-water separator filter
Low fuel level alarm
Residential silencer
Enclosure or sound proof canopy
Trailer
Manual oil drain pump
Tool kit for maintenance

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 27001:2013
ISO 10002:2018