



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	44.0	55	40.00	50	79

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 55A
Hz	50
	Diesel
	Aksa A4CRX36T
	Aksa SC224D
	HGM6120CAN
	ACP 5-PB

	Aksa
	A4CRX36T
	4 cylinders - in line
mm	98



mm	120
lt.	3.6
	17.5:1
rpm	1500
kW/HP	51/68
kW/HP	46/61
	1
	500
	Mechanic
	Dry Type
	Turbo Charged
lt	10
°C	130
	Diesel
	Direct
	4JI
Vdc	12 Vdc
/Ah	1x54
	Water Cooled
	5
kPa	≤6
kW	40
lt	16
Pa	125
100% lt/hr	12.4



	Aksa
	SC224D
Hz	50
V	400
	3
	MC460B
	1
	H
	IP23
	0,8
	H

	2275
mm	1008
mm	1537
kg	1130
lt	180

	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 3 Pole
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