



poder (kVA)

3 fase, 50 Hz, PF 0.8

Voltaje (AC)	Potencia en espera		Potencia principal		Amperio emergencia
	kW	kVA	kW	kVA	
400/231	44,00	55,00	40,00	50,00	79,39

Potencia en espera Si interrumpido la alimentación de la red confiable, se utiliza para suministrar potencia a la variable carga eléctrica. ESP es conforme a ISO8528. No se permite la sobrecarga.

Potencia principal Se utiliza por un tiempo indefinido a lo largo de un año, con el fin de suministrar potencia a la variable carga eléctrica. PRP es conforme a ISO 8528. Se usa para sobrecarga de 10% por una hora, en 12 horas de trabajo.

CARACTERISTICAS GENERALES

Model Name	APD 55 A
Frecuencia (Hz)	50
Tipo de combustible	Diesel
Marca y modelo del motor	AKSA A4CRX36T
Alternador hechas en el modelo	AK 340
Sistema de Control	DSE 6120
Cubierta	ACP 5

ESPECIFICACIÓN DEL MOTOR

Motor	AKSA
Modelo de motor	A4CRX36T
Nº de cilindros (L)	4 cylinders - in line
Calibre	98
Carrera	120
Desplazamiento	3.6
Aspiración	Turbo Charged
Relación de compresión	17.5:1
Velocidad nominal (rpm) (d/dk)	1500
Capacidad de aceite (L)	10
Potencia en espera (kW/HP)	51/68
Potencia primaria (kW/HP)	46/61
Cabecera del bloque QTY	1
Potencia de la cabecera del bloque (Watt)	500
Tipo de combustible	Diesel
Tipo y sistema de inyección	Direct
Tipo de bomba de combustible	4JI
sistema de regulación	Mechanic
Tensión de funcionamiento (Vdc)	12 Vdc
La batería y la capacidad (Cant / Ah)	1x54
Método de refrigeración	Water Cooled

El fabricante se reserva el derecho de hacer cambios en el modelo, en las especificaciones técnicas, en el color, en el material, en los accesorios y en las imágenes sin preaviso. (06.12.2023)



Coolant Capacity (engine only / with radiator) (lt)	5/16
Filtro de aire	Dry Type
Fuel Cons. Prime con 100% Carga (lt/hr)	12.4

ESPECIFICACIÓN DEL ALTERNADOR

Manufacturer	Aksa
Alternador hechas en el modelo	AK 340
Frecuencia (Hz)	50
Potencia (kVA)	50
Voltaje (AC) (V)	400
fase	3
Regulador automático de tensión	SX460
Regulación de tensión	(+/-)1.5%%
Sistema de aislamiento	H
Proteccion	IP22
Factor de potencia	0.8
peso generador completo (Kg.)	285
El aire de refrigeración	12,96

Dimensiones del cubierta generador (mm)

Longitud (mm)	2282
Anchura (mm)	1008
Altura (mm)	1532
Peso seco (Kg)	1170
Capacidad del tanque (L)	180

Acerca del producto

Sound-attenuated and Weather-protective Enclosures Sound-attenuated and weather protective enclosures for generating sets from Aksa, meet event the sound requirements and provide optimum protection from inclement weather and development by our specialist acoustic engineers. Our modular designed sound insulated canopies provide ease of access for servicing and general maintenance and interchangeable components permitting on-site repair. Enclosures are designed to optimize genset cooling performance, providing you with confidence that genset ratings and ambient capability.

Sistema de Control

Módulo de control	DSE
Modelo de control del módulo	DSE 6120
Puertos de comunicación	CANBUS
##CONTROL PANEL IMAGE##	##CONTROL PANEL TABLE##

Devices

- DSE, model 6120 Auto Mains Failure control module.
- Battery charger input 198-264 volt, output 27,6 V 5 A (24 V) or 13,8 Volt 5A (12V)
- Emergency stop push button and fuses for control circuits.

CONSTRUCTION and FINISH



-Components installed in sheet steel enclosure. Phosphate chemical, pre-coating of steel provides corrosion resistant surface. Polyester composite powder topcoat forms high gloss and extremely durable finish. Lockable and hinged panel door provides easy access to components.

INSTALLATION

Control panel is mounted on baseframe with steel stand. Located at the right side of the generator set (When you look at the Gen.Set. from Alternator)

GENERATING SET CONTROL UNIT

The DSE 6120 module has been designed to monitor generator frequency, volt, current, engine oil pressure, coolant temperature running hours and battery volts.

Module monitors the mains supply and switch over to the generator when the mains power fails.

The DSE6120 also indicates operational status and fault conditions, Automatically shutting down the Gen. Set and giving true first up fault condition of Gen. Set failure. The LCD display indicates the fault.

Especificación estándar

- Microprocessor controlled.
- LCD display makes information easy to read.
- Automatically transfers between mains (utility) and generator power.
- Manual programming on front panel.
- User-friendly set-up and button layout.
- Remote start.
- Event logging (50) showing date and time.
- Controls: Stop/Reset, Manual, Auto, Test, Start, buttons. An additional push button next to the LCD display is used to scroll through the modules' metering displays.

instrumentos

ENGINE

- Engine speed.
- Oil pressure.
- Coolant temperature.
- Run time.
- Battery volts.
- Configurable timing.

GENERATOR

- Voltage (L-L, L-N).
- Current (L1-L2-L3).
- Frequency.
- Gen. Set ready.
- Gen. Set enabled.

MAINS

- Mains ready.
- Mains enabled.

WARNING



- Charge failure.
- Battery Low/High voltage.
- Fail to stop.
- Low /High generator voltage.
- Under /Over generator frequency.
- Over /Under speed.
- Low oil pressure.
- High coolant temperature.

SHUT DOWNS

- Fail to start.
- Emergency stop.
- Low oil pressure.
- High coolant temperature.
- Over /Under speed.
- Under/over generator frequency.
- Under/over generator voltage.
- Oil pressure sensor open.
- Coolant temperature sensor open.

ELECTRICAL TRIP

- Generator over current.

Opciones

- Flexible sensor can be controlled with temperature, pressure, percentage (warning/shutdown/electrical trip)
- Local setting parameters and monitoring from PC to control module with USB connection (max 6 mt).

Estándares

- Electrical Safety / EMC compatibility
- BS EN 60950 Electrical business equipment.
- BS EN 61000-6-2 EMC immunity standard.
- BS EN 61000-6-4 EMC emission standard

Cargador de batería estático

- Battery charger is manufactured with switching-mode and SMD technology and it has high efficiency.
- Battery charger models' output V-I characteristic is very close to square and output is 5 amper, 13,8 V for 12 volt and 27,6 V for 24 V . Input 198 - 264 volt AC.
- The charger is fitted with a protection diode across the output.
- Connect charge fail relay coil between positive output and CF output.
- They are equipped with RFI filter to reduce electrical noise radiated from the device.
- Galvanically isolated input and output typically 4kV for high reliability.

Especificación estándar

- Heavy duty, water cooled diesel engine



- Radiator with mechanical fan
- Protective grille for rotating and hot parts
- Electric starter and charge alternator
- Starting battery (with lead acid) including rack and cables
- Engine coolant heater
- Steel base frame and anti-vibration isolators
- Spare external fuel tank (open set)
- Flexible fuel connection hoses
- Two bearing, class H alternator
- Industrial exhaust silencer and steel bellows supplied separately
- Static battery charger
- Manual for application and installation

EQUIPOS OPCIONALES

ENGINE

Remote Radiator Cooling

Fuel-Water Separator Filter

ALTERNATOR

Anti-Condensation Heater

Main line circuit breaker

CONTROL SYSTEM

Charge Ammeter

TRANSFER SWITCH

Three Pole Contactor

Four Pole Contactor

Three or four pole motor operated circuit breaker

OTHER ACCESSORIES

Main Fuel Tank

Automatic or manual fuel filling system

Manual oil drain pump

Residential silencer

Enclosure: weather protective or sound attenuated

Trailer

Tool kit for maintenance

CERTIFICADOS AKSA

- TS ISO 8528
- TS ISO 9001-2008
- CE
- SZUTEST
- 2000/14/EC