energia (kVA)

3 Fase,50 Hz, PF 0.8

Tensione (AC)	Potenza Standby (ESP)		Potenza Primaria (PRP)		Ampere Standby
	kW	kVA	kW	kVA	
400/231	9,60	12,00	8,80	11,00	17,32

Potenza Standby (ESP) In caso di interruzione delle risorse di rete affidabile, viene utilizzato per alimentare il carico elettrico alternativo. ESP, è compatibile con ISO8528. Non è consentito per sovraccarico.

Potenza Primaria (PRP) Viene utilizzato per ore illimitate annuale, per alimentare il carico elettrico alternativo. PRP, è compatibile con ISO 8525. Secondo la norma ISO 3046, nel periodo di lavoro di 12 ore, viene utilizzato per il sovraccarico di 10% per un ora.

Caratteristiche Generali

Nome del Modello	APD 13 A
Frequenza (Hz)	50
Tipo di carburante	Diesel
Motore Made e Modello	AKSA A4CRX19
Il Modello	AK 109
Sistema Controllo	DSE 6120
Cabina	ACP 1A

SPECIFICHE MOTORE

Motore	AKSA
Modello del motore	A4CRX19
Numero e Dispozione Cilindri (L)	4 cylinders - in line
Alesaggio	80
Corsa	90
Cilindrata	1,809
Aspirazione	Naturally Aspirated
Rapporto Compressione	18:1
Velocità nominale (rpm) (d/dk)	1500
Capacità olio (lt)	6
Potenza Standby (kW/HP)	13.7/18.4
Prime Potenza (kW/HP)	12.5/16.7
Block Heater QTY	1
Block Heater Power (Watt)	500
Tipo di carburante	Diesel
Injection Type and System	Direct
Type of Fuel Pump	Direct
Governor System	Mechanic
Tensione di funzionamento (Vdc)	12 Vdc
Battery and Capacity (Qty/Ah)	1x36
Cooling Method	Water Cooled

Cooling Fan Air Flow (m3/min)	112.64
Coolant Capacity	5/16.3
Filtro dell'aria	Dry Type
Fuel Cons. Prime With %100 Load (lt/hr)	4.19
Fuel Cons. Prime With %75 Load (lt/hr)	3.51
Fuel Cons. Prime With %50 Load (lt/hr)	2.42

SPECIFICHE ALTERNATORE

Manufacturer	Aksa
Il Modello	AK 109
Frequenza (Hz)	50
energia (kVA)	11,3
Tensione (AC) (V)	400
Fase	3
Il Regolatore Automatico di Tensione	SX460
La Regolazione della Tensione	(+/-)1,5%%
isolamento sistema	H
Protezione	IP22
Fattore di potenza	0.8
Il Peso Completo del Generatore (Kg)	95
L'Aria di Raffreddamento	4,26

Aprire generatore Dimensioni (mm)

Lunghezza (mm)	1400
Larghezza (mm)	760
Altezza (mm)	912
Peso a secco (Kg)	760

Dimensioni generatore Cabina (mm)

Lunghezza (mm)	1672
Larghezza (mm)	823
Altezza (mm)	873
Peso a secco (Kg)	515
Capacità Serbatoio (L)	32

introduzione

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 (8 – 275kVA) fit directly to the open generator set to 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 Controllo

Modulo di controllo	DSE

Modulo di controllo Modello	DSE 6120
Porte di comunicazione	CANBUS
##CONTROL PANEL IMAGE##	##CONTROL PANEL TABLE##

Dispositivi

-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.

COSTRUZIONE E COMPLETAMENTO

-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.

Installazione

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)

UNITÀ DI CONTROLLO GENERATORE

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.

Specifiche Standard

-Microprocessor controlled.

-LCD display makes information easy to read.

-Automatically transfers between mains (utilty) 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.

Instruments

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.

Opzioni

-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).

Standard

-Elecrical 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

Carica Batterie Statico

- Battery charger is manufactured with switching-mode and SMD technology and ıt 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.

Specifiche Standard

- 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
- Base frame design incorporates an integral fuel tank and anti-vibration isolators
- Flexible fuel connection hoses
- Single bearing, class H alternator
- Industrial exhaust silencer and steel bellows supplied separately(for open sets)
- Static battery charger
- Manual for application and installation

Apparecchiature Opzionali

ENGINE
Remote Radiator Cooling
Fuel-Water Seperator Filter
ALTERNATOR
Anti-Condensation Heater
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: weater protective or sound attenuated
Trailer
Tool kit for maintenance

CERTIFICATI DI GARANZIA

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