Over Product

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.

Kracht (kVA)

3 Fasen,50 Hz, PF 0.8

Spanning	Stand-by vermogen (ESP)		Prime Power (PRP)		Standby Amper
	kW	kVA	kW	kVA	
400/231	120,00	150,00	108,00	135,00	216,51

Stand-by vermogen (ESP) Het wordt gebruikt om te voldoen aan de variabele elektrische belastingvereiste in geval van uitval van de betrouwbare netvoeding. ESP voldoet aan ISO 8528-1 Overbelasting is niet toegestaan.

Prime Power (PRP) Wordt gedefinieerd als het continue bedrijfsvermogen onder variabele belasting. PRP voldoet aan ISO 8528-1 10% overbelasting kan elke 12 uur worden gedaan.

Algemene kenmerken

Modelnaam	AC 150
Frequentie (HZ)	50
Brandstoftype	Diesel
Motormerk en -model	CUMMINS 6BTAA5.9-G6
Alternatormerk en -model	ECP 34-2M/4 C
Configuratiescherm Model	DSE 6120
Cabine	MS 60

MOTORSPECIFICATIES

Motor	CUMMINS
Motor model	6BTAA5.9-G6
Silindir Sayısı (L)	6 cylinders - in line
Bore (mm.)	102
Stroke (mm.)	120
Silindir Hacmi (lt.)	5.9
Aspiratie	Turbo Charged and Charge Air Cooled
Compressieverhouding	16.5:1
Hız (d/dk)	1500
Olie capaciteit (Filtre Dahil) (lt)	16.4
Stand-by vermogen (kW/HP)	145/195
Prime Power (kW/HP)	135/180
Blokverwarmingshoeveelheid	1
Blokkeer verwarmingsvermogen (Watt)	1000
Brandstoftype	Diesel
Injectietype en systeem	Direct
Type brandstofpomp	Bosch Rotary Type
Governor-systeem	Electronic
Bedrijfsspanning (Vdc)	12 Vdc

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Batterij en capaciteit (aantal / Ah)	1x85
Laaddynamo (A)	55
Koelmethode	Water Cooled
Koelventilatorluchtstroom (m³ / min)	162
Koelvloeistofcapaciteit (alleen motor / met radiator) (lt)	9.1/21.4
Luchtfilter	Dry Type
Brandstofverbruik bij eerste 100% belasting (lt / uur)	35
Brandstofverbruik primair 75% belasting (lt / uur)	27
Brandstofverbruik bij eerste 50% belasting (lt / uur)	18

Dynamo specificaties

Fabrikant	Mecc Alte
Alternatormerk en -model	ECP 34-2M/4 C
Frequentie (HZ)	50
Kracht (kVA)	135
Spanning (V)	400
Fase	3
Automatische spanningsregelaar	DSR
Voltage regulatie	(+/-)1%
Isolatiesysteem	H
Bescherming	IP23
Nominale vermogensfactor	0.8
Gewicht dynamo (Kg)	388
Koellucht (m³/min)	29.2

OPEN TYPE GENERATOR AFMETINGEN (mm)

Lengte	2750
Breedte	1300
Hoogte	1821
Droog gewicht (kg.)	1485
Inhoud brandstoftank (lt.)	470

AFMETINGEN GENERATORKAST (mm)

Lengte	3934
Breedte	1356
Hoogte	2156
Droog gewicht (kg.)	2275
Inhoud brandstoftank (lt.)	470

1. Steel structures.
2. Emergency stop push button.
3. Control panel is mounted on the baseframe . Located at the right side of the generator set.

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4. Corrosion-resistant locks and hinges.
5. Oil could be drained via valve and a hose
6. Exhaust system in the canopy.
7. Special large access doors for easy maintanance
8. In front and back side special large access doors for easy maintanance
9. Base frame -fuel tank.
10. Lifting points similar to ISO container , located on each top corner of the canopy.
11. The cap on the canopy provides easy accsess to radiator cap.
12. Sound proofing materials
13. Plastic air intake pockets.

Over Product

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.

Besturingskaart

Controle Module	DSE
Besturingsmodule model	DSE 6120
İletişim Portları	CANBUS

1. Menu navigation buttons
2. Close mains button
3. Main Status and instrumentation display
4. Alarm LED's
5. Close generator button
6. Status LED's
7. Operation selecting buttons

Apparaten

-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.

Structuur en verf

-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.

Montage

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)

Generator regeleenheid

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.

Standaardfuncties

-Microprocessor controlled.

-LCD display makes information easy to read.

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-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.

Meetindicatoren

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.

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-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.

Optie Kenmerken

-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).

Standaarden

-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

Elektronische acculader

- 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.

Standaardfuncties

- 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
- Generators Sets’ voltage and frequency regulation comply with ISO 8528-5
- Generators Sets’ can take 100% load at one step according to NFPA110

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Generator hardware-opties

ENGINE
Fuel-Water Seperator Filter
Low water level alarm
Oil heater
ALTERNATOR
Anti-Condensation Heater
Over sized alternator
Main line circuit breaker
CONTROL SYSTEM
Remote annunciator panel
Remote relay output
Alarm output relays
Remote communication with modem
Earth fault, single set
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
Duct adapter (on radiator)
Inlet and outlet motorised louvers
Inlet and outlet acoustic baffles
Trailer
Tool kit for maintenance
1500/3000 hours maintenance kit
Supplied with oil and coolant - 30 °C
Battery isolating switch
Automatic transfer switch

Certificaten

- TS ISO 8528
- TS ISO 9001-2008
- CE

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- SZUTEST
- 2000/14/EC

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