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,60 Hz, PF 0.8

Spanning	Stand-by vermogen (ESP)		Prime Power (PRP)		Standby Amper
	kW	kVA	kW	kVA	
380/220	355,00	443,75	322,00	402,50	674,23
480/277	355,00	443,75	322,00	402,50	0,00

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 444-6
Frequentie (HZ)	60
Brandstoftype	Diesel
Motormerk en -model	CUMMINS NTA 855-G3 - 60Hz
Alternatormerk en -model	ECO 40-1S/4 B - 60Hz
Configuratiescherm Model	DSE 7320
Cabine	MS 70

MOTORSPECIFICATIES

Motor	CUMMINS
Motor model	NTA 855-G3 - 60Hz
Silindir Sayısı (L)	6 cylinders - in line
Bore (mm.)	140
Stroke (mm.)	152
Silindir Hacmi (lt.)	14
Aspiratie	Turbo Charged and AfterCooled
Compressieverhouding	14.0:1
Hız (d/dk)	1800
Olie capaciteit (Filtre Dahil) (lt)	38,6
Stand-by vermogen (kW/HP)	399/535
Brandstoftype	Diesel
Injectietype en systeem	Direct
Type brandstofpomp	Cummins PT
Bedrijfsspanning (Vdc)	24 Vdc
Koelmethode	Water Cooled
Koelvloeistofcapaciteit (alleen motor / met radiator) (lt)	66

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Luchtfilter	Dry Type
Brandstofverbruik bij eerste 100% belasting (lt / uur)	87
Brandstofverbruik primair 75% belasting (lt / uur)	66
Brandstofverbruik bij eerste 50% belasting (lt / uur)	47

Dynamo specificaties

Fabrikant	Mecc Alte
Alternatormerk en -model	ECO 40-1S/4 B - 60Hz
Frequentie (HZ)	60
Kracht (kVA)	328
Spanning (V)	380
Fase	3
Automatische spanningsregelaar	DER1
Voltage regulatie	(+/-)0.5%
Isolatiesysteem	H
Bescherming	IP23
Nominale vermogensfactor	0.8
Gewicht dynamo (Kg)	1049
Koellucht (m³/min)	64,8

OPEN TYPE GENERATOR AFMETINGEN (mm)

Lengte	2963
Breedte	1550
Hoogte	2071
Droog gewicht (kg.)	3130
Inhoud brandstoftank (lt.)	700

AFMETINGEN GENERATORKAST (mm)

Lengte	4434
Breedte	1606
Hoogte	2496
Droog gewicht (kg.)	4200
Inhoud brandstoftank (lt.)	700

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.
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.
11. The cap on the canopy provides easy accsess to radiator cap.

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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 7320
İletişim Portları	MODBUS

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 7320 Auto Mains Failure control module Static battery charger Emergency stop push button and fuses for control circuits

Structuur en verf

Comonents 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 hinged panel door provides for easy component access

Montage

Control panel is mounted generating set baseframe on robust steel stand or power module. Located at side of generating set with properly panel visibility.

Generator regeleenheid

The DSE 7320 conrol module is a standard addition to our generator sets from 220 kVA upwards and it has been designed to start and stop diesel andgas generating sets that include electronic and non electronic engines.

The DSE 7320 includes the additional capability of being able to monitor a mains (utility) supply and is therefore suitable for controlling a standby generating set in conjunction with an automatic transfer switch.

The DSE7320 also indicates operational status and fault conditions, automatically shutting down the generating set and indicating faults by means of its LCD display on the front panel.

Standaardfuncties

Microprocessor controlled

- 132 x 64 pixel LCD display makes information easy to read

- Front panel programming and also via PC software

- Soft touch membrane keypad and five key menu navigation

- Remote communications via RS232, RS485 and ethernet.

- Event logging (50) showing date and time

- Multiple date and time engine exercise mode and maintenance scheduler

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- Engine block heater control.

- Controls; stop, manuel, auto, test, start, mute lamb test/transfer to generator, transfer to mains, menu navigation.

Meetindicatoren

ENGINE

Engine speed

Oil pressure

Coolant temperature

Run time Battery volts

Engine maintenance due

GENERATOR

Voltage (L-L, L-N)

Current (L1-L2-L3)

Frequency

Earth current

kW

Pf

kVAr

kWh, kVAh, kVArh

Phase sequence

MAINS

Voltage (L-L, L-N)

Frequency

WARNING

Charge failure

Battery under voltage

Fail to stop

Low fuel level (opt.)

kW over load

Negative phase sequence

Loss of speed signal

PRE-ALARMS

Low oil pressure

High engine temperature

Low engine temperature

Over /Under speed

Under/over generator frequency

Under/over generator voltage

ECU warning

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SHUT DOWNS

Fail to start

Emergency stop

Low oil pressure

High engine temperature

Low coolant level

Over /Under speed

Under/over generator frequency

Under/over generator voltage

Oil pressure sensor open

Phase rotation

ELECTRICAL TRIP

Earth fault

kW over load

Generator over current

Negative phase sequence

Optie Kenmerken

High oil temperature shut down

Low fuel level shut down

Low fuel level alarm

High fuel level alarm

EXPANSION MODULES

Editional LED module (2548)

Expension relay module (2157)

Expansion input module (2130)

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 it has high efficincy.

Battery charger models' output V-I characteristic is very close to square

2405 has fully output shot circuit protection and ıt can be used as a current source.

2405 charger has high efficiency, long life, low failure rate, light weight and low heat radiated in accordance with linear alternatives.

The charger is fitted with a protection diode across the output.

Charge fail output is available.

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Connect charge fail relay coil between positive output and CF output.

Input: 196-264V.

Output: 27,6V 5A or 13,8V 5A.

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

Generator hardware-opties

TRANSFER SWITCH

- Three or four pole motor operated circuit breaker
- Three or four pole contactor

OTHER ACCESSORIES

- Tool kit for maintenance
- Double wall chassis
- Inlet and outlet acoustic baffles
- Trailer
- Main Fuel Tank
- Automatic transfer switch
- Supplied with oil and coolant - 30 °C
- Battery isolating switch
- Electrical oil drain pump
- Low and high fuel level alarm
- Automatic or manual fuel filling system
- Manual oil drain pump
- Duct adapter (on radiator)
- Inlet and outlet motorised louvers
- Residential silencer
- Enclosure: weater protective or sound attenuated

CONTROL SYSTEM

- Remote communication with modem

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- Alarm output relays
- Charge Ammeter
- Earth fault, single set
- Remote relay output
- Paralel system with mains.
- Automatic synchronising and power control system (multi gen-set Parallel)
- Remote annunciator panel
- Transition synchronization with mains

ENGINE

- Oil heater
- Fuel-Water Seperator Filter
- Remote Radiator Cooling

ALTERNATOR

- PMG excitation + AVR
- Main line circuit breaker
- Anti-Condensation Heater
- Over sized alternator

Certificaten

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

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