



Over Product

Aksa is committed to providing the most effective solution to the Data Center industry with the power it takes from engineering, production, distribution, and customer-oriented experience and knowledge. We are constantly improving designs, products and infrastructure to offer the highest level of reliability for Emergency Power Systems. While serving the industry in hundreds of countries Globally, we design our products and systems in line with the needs of Data Center practitioners at the center of our focus. Aksa generator group provides continuity, reliability and ideal performance for Data Centers. For all generator groups produced, preliminary product testing and factory manufacturing testing are performed according to the Uptime Institute's Tier Standards

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	2400,00	3000,00	2200,00	2750,00	4330,25

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 3000
Frequentie (HZ)	50
Brandstoftype	Diesel
Motormerk en -model	CUMMINS QSK78-G9
Alternatormerk en -model	ECO 46 -VL/4 A
Configuratiescherm Model	DSE 7320
Cabine	AK 101

MOTORSPECIFICATIES

Motor	CUMMINS
Motor model	QSK78-G9
Silindir Sayısı (L)	18 cylinders - V type
Bore (mm.)	170
Stroke (mm.)	190
Silindir Hacmi (lt.)	77.6
Aspiratie	Turbo Charged and AfterCooled
Compressieverhouding	15.5:1
Hız (d/dk)	1500
Olie capaciteit (Filtre Dahil) (lt)	466
Stand-by vermogen (kW/HP)	2539/3404
Prime Power (kW/HP)	2304/3088
Blokverwarmingshoeveelheid	2
Blokkeer verwarmingsvermogen (Watt)	3000
Brandstoftype	Diesel



Injectietype en systeem	Direct
Type brandstofpomp	Cummins HPI-PT
Governor-systeem	Electronic
Bedrijfsspanning (Vdc)	24 Vdc
Batterij en capaciteit (aantal / Ah)	6x143
Laaddynamo (A)	55
Koelmethode	Water Cooled
Koelvloeistofcapaciteit (alleen motor / met radiator) (lt)	166.6/
Luchtfilter	Dry Type
Brandstofverbruik bij eerste 100% belasting (lt / uur)	528
Brandstofverbruik primair 75% belasting (lt / uur)	406
Brandstofverbruik bij eerste 50% belasting (lt / uur)	291

Dynamo specificaties

Fabrikant	Mecc Alte
Alternatormerk en -model	ECO 46 -VL/4 A
Frequentie (HZ)	50
Kracht (kVA)	2800
Spanning (V)	400
Fase	3
Automatische spanningsregelaar	DER1
Voltage regulatie	(+/-)0.5%
Isolatiesysteem	H
Bescherming	IP23
Nominale vermogensfactor	0.8
Gewicht dynamo (Kg)	5120

OPEN TYPE GENERATOR AFMETINGEN (mm)

Lengte	7421
Breedte	2637
Hoogte	4736
Droog gewicht (kg.)	16300
Inhoud brandstoftank (lt.)	2500

AFMETINGEN GENERATORCAST (mm)

Lengte	11000
Breedte	2800
Hoogte	3888
Droog gewicht (kg.)	25000
Inhoud brandstoftank (lt.)	-

Over Product

De fabrikant behoudt zich het recht voor om zonder voorafgaande kennisgeving wijzigingen aan te brengen in het model, technische specificaties, kleur, uitrusting, accessoires en afbeeldingen. (14.02.2024)



No Data

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 control module is a standard addition to our generator sets from 220 kVA upwards and it has been designed to start and stop diesel and gas 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
- 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
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)
Expansion relay module (2157)
Expansion input module (2130)

Standaarden

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

Elektronische acculader

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

2405 has fully output short circuit protection and it 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.

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



- Verticalremote Radiator and electrical fan drive
- Protective cage to prevent rotating and touching hot parts
- Output breaker
- Electric starter and charge alternator
- Battery (lead acid), cables and stand
- Automatic synchronization and power control system (multiple parallel generator)
- Circulation pump (for engine block heater)
- Engine block water heater
- Steel chassis and anti-vibration wedges
- Fuel tank separate from the group (Açıkset group)
- Flexible fuel connection hoses
- Alternator with single bearing and H insulation class
- Industrial capacity muffler and flexible steel compensator
- Electronic battery charger
- Operating and installation instructions

Generator hardware-opties

ENGINE

Fuel-water separator filter

Oil heater

ALTERNATOR

Anti-condensation heater,

Bigger Power rate alternator

CONTROL PANEL

Continuous parallel system with the network

Network synchronization system

Remote communication and control

Remote alarm panel

Alarm output relays

Earth leakage, single generator

Charging ammeter

TRANSFER BOARD

Three or four-pole ATS system

Three or four-pole motorized output breaker

AUXILIARY EQUIPMENT

Main Fuel Tank

Automatic or manual fuel filling system

Oil drain, electric pump

Low and high fuel level alarm

Exhaust muffler, critical ytp

Tool kit (for maintenance)





Maintenance kit for 1500/3000 working hours

Antifreeze and engine lubricating oil (for -30 ° C ambient temperature)

Note: Radiator and canopy applications may vary due to project specifications.

Certificaten

- ISO 14001-2004
- TS ISO 8528
- TS ISO 9001-2008
- CE
- SZUTEST
- 2000/14/EC