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	1364,00	1705,00	1240,00	1550,00	2590,56
480/277	1530,40	1913,00	1275,20	1594,00	

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 1900-6
Frequentie (HZ)	60
Brandstoftype	Diesel
Motormerk en -model	CUMMINS KTA50-G9 60Hz
Alternatormerk en -model	ECO 46-1S/4 A - 60Hz
Configuratiescherm Model	DSE 7320
Cabine	AK 98

MOTORSPECIFICATIES

Motor	CUMMINS
Motor model	KTA50-G9 60Hz
Silindir Sayısı (L)	16 cylinders - V type
Bore (mm.)	159
Stroke (mm.)	159
Silindir Hacmi (lt.)	50.3
Aspiratie	Turbocharged and Low Temperature Aftercooled
Compressieverhouding	13.9:1
Hız (d/dk)	1800
Olie capaciteit (Filtre Dahil) (lt)	204
Stand-by vermogen (kW/HP)	1655/2220
Prime Power (kW/HP)	1383/1855
Blokverwarmingshoeveelheid	2
Blokkeer verwarmingsvermogen (Watt)	3000
Brandstoftype	Diesel
Injectietype en systeem	Direct
Type brandstofpomp	Cummins PT

Governor-systeem	Electronic
Bedrijfsspanning (Vdc)	24 Vdc
Batterij en capaciteit (aantal / Ah)	4X143
Koelmethode	Water Cooled
Koelventilatorluchtstroom (m³ / min)	2229
Koelvloeistofcapaciteit (alleen motor / met radiator) (lt)	140/415
Luchtfilter	Dry Type
Brandstofverbruik bij eerste 100% belasting (lt / uur)	330
Brandstofverbruik primair 75% belasting (lt / uur)	257
Brandstofverbruik bij eerste 50% belasting (lt / uur)	180

Dynamo specificaties

Fabrikant	Mecc Alte
Alternatormerk en -model	ECO 46-1S/4 A - 60Hz
Frequentie (HZ)	60
Kracht (kVA)	1240
Spanning (V)	380
Fase	3
Automatische spanningsregelaar	DER1
Voltage regulatie	(+/-)0.5%
Isolatiesysteem	H
Bescherming	IP23
Nominale vermogensfactor	0.8
Gewicht dynamo (Kg)	3010
Koellucht (m³/min)	162

OPEN TYPE GENERATOR AFMETINGEN (mm)

Lengte	5450
Breedte	1950
Hoogte	2450
Droog gewicht (kg.)	10400
Inhoud brandstoftank (lt.)	2000

AFMETINGEN GENERATORKAST (mm)

Lengte	9000
Breedte	2270
Hoogte	2581
Droog gewicht (kg.)	16400
Inhoud brandstoftank (lt.)	1900

1. Steel structure made from steel sheet and steel profiles.
2. Canopy and panels made from powder coated sheet steel.

3. Emergency stop push button.
4. Control panel is mounted on the baseframe . Located at the back of the generator set
5. Cables out locations are under of the canopy.
6. Corrosion.resistant locks and hinges.
7. Oil could be drained via valve and a hose
8. Exhaust system on the canopy.
9. special large access doors (marine type) for easy maintanance
10. Fuel tank is at front of the canopy ,easy access to the fuel tank via lockable door.
11. Lifting points similar to ISO container , located on each top corner of the canopy.
12. The cap on the canopy provides easy accsess to radiator cap.
13. sound proofing materials
14. Integrated ladder built in to side of the canopy allows access to the top of the canopy.

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
- 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)
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.

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

Input: 196-264V.

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

Standaardfuncties

- 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
- Single bearing, class H alternator
- Industrial exhaust silencer and steel bellows supplied separately
- Static battery charger
- Manual for application and installation

Generator hardware-opties

TRANSFER SWITCH

- Three or four pole motor operated circuit breaker
- Four Pole Contactor
- Three Pole Contactor

OTHER ACCESSORIES

- Tool kit for maintenance
- Trailer
- Inlet and outlet acoustic baffles
- Automatic transfer switch
- Main Fuel Tank
- Supplied with oil and coolant - 30 °C

- Inlet and outlet motorised louvers
- Low and high fuel level alarm
- Electrical oil drain pump
- Automatic or manual fuel filling system
- Duct adapter (on radiator)
- Enclosure: weater protective or sound attenuated
- Residential silencer

CONTROL SYSTEM

- Remote communication with modem
- 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

- Main line circuit breaker
- Over sized alternator
- Anti-Condensation Heater

Certificaten

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