

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	440,00	550,00	400,00	500,00	793,88

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	AVP 550
Frequentie (HZ)	50
Brandstoftype	Diesel
Motormerk en -model	VOLVO TAD1641GE-B
Alternatormerk en -model	ECO 40-3S/4 C
Configuratiescherm Model	DSE 7320
Cabine	MS 80

MOTORSPECIFICATIES

Motor	VOLVO
Motor model	TAD1641GE-B
Silindir Sayısı (L)	6 cylinders - in line
Bore (mm.)	144
Stroke (mm.)	165
Silindir Hacmi (lt.)	16.12
Aspiratie	Turbo Charged
Compressieverhouding	16.8:1
Hız (d/dk)	1500
Olie capaciteit (Filtre Dahil) (lt)	48
Stand-by vermogen (kW/HP)	484/658
Prime Power (kW/HP)	441/600
Blokverwarmingshoeveelheid	1
Blokkeer verwarmingsvermogen (Watt)	3000
Brandstoftype	Diesel
Injectietype en systeem	Direct
Type brandstofpomp	Delphi E3
Governor-systeem	Volvo / EMS 2.4
Bedrijfsspanning (Vdc)	24 Vdc

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Batterij en capaciteit (aantal / Ah)	2x120
Laaddynamo (A)	Bosch / 80
Koelmethode	Water Cooled
Koelventilatorluchtstroom (m³ / min)	546
Koelvloeistofcapaciteit (alleen motor / met radiator) (lt)	33/60
Luchtfilter	Dry Type
Brandstofverbruik bij eerste 100% belasting (lt / uur)	103,76
Brandstofverbruik primair 75% belasting (lt / uur)	78,21
Brandstofverbruik bij eerste 50% belasting (lt / uur)	53,18

Dynamo specificaties

Fabrikant	Mecc Alte
Alternatormerk en -model	ECO 40-3S/4 C
Frequentie (HZ)	50
Kracht (kVA)	500
Spanning (V)	400
Fase	3
Automatische spanningsregelaar	DER1
Voltage regulatie	(+/-)0.5%%
Isolatiesysteem	H
Bescherming	IP23
Nominale vermogensfactor	0.8
Gewicht dynamo (Kg)	1534
Koellucht (m³/min)	54

OPEN TYPE GENERATOR AFMETINGEN (mm)

Lengte	3250
Breedte	1550
Hoogte	2210
Droog gewicht (kg.)	3240
Inhoud brandstoftank (lt.)	850

AFMETINGEN GENERATORKAST (mm)

Lengte	4807
Breedte	1606
Hoogte	2485
Droog gewicht (kg.)	4660
Inhoud brandstoftank (lt.)	850

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 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

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- 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

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	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

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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

- 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

Generator hardware-opties

ENGINE
Fuel-Water Seperator Filter
Oil heater
ALTERNATOR
Anti-Condensation Heater
Over sized alternator
PMG excitation + AVR
Main line circuit breaker
CONTROL SYSTEM
Automatic synchronising and power control system (multi gen-set Parallel)
Paralel system with mains.
Transition synchronization with mains
Remote relay output

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Alarm output relays
Remote communication with modem
Earth fault, single set
Charge Ammeter
TRANSFER SWITCH
Three or 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
Electrical oil drain pump
Low and high fuel level alarm
Residential silencer
Enclosure: weater protective or sound attenuated
Duct adapter (on radiator)
Inlet and outlet motorised louvers
Inlet and outlet acoustic baffles
Tool kit for maintenance
1500/3000 hours maintenance kit
Supplied with oil and coolant - 30 °C

Certificaten

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

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