



## 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  | 64,00                   | 80,00 |                   |     | 115,47        |

**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                | APG 80         |
| Frequentie (HZ)          | 50             |
| Brandstoftype            | Natural Gas    |
| Motormerk en -model      | GM NG PSI 8.8L |
| Alternatormerk en -model | ECP 32-3L/4 B  |
| Configuratiescherm Model | 4520           |
| Cabine                   | AK40-APG80     |

## MOTORSPECIFICATIES

|                                                            |                      |
|------------------------------------------------------------|----------------------|
| Motor                                                      | GM NG                |
| Motor model                                                | PSI 8.8L             |
| Silindir Sayısı (L)                                        | 8 cylinders - V type |
| Bore (mm.)                                                 | 110.49               |
| Stroke (mm.)                                               | 114.30               |
| Silindir Hacmi (lt.)                                       | 8.800                |
| Aspiratie                                                  | Naturally Aspirated  |
| Compressieverhouding                                       | 10.0:1               |
| Hız (d/dk)                                                 | 1500                 |
| Olie capaciteit (Filtre Dahil) (lt)                        | 8,5                  |
| Brandstoftype                                              | Natural Gas          |
| Governor-systeem                                           | Electronic           |
| Bedrijfsspanning (Vdc)                                     | 12 Vdc               |
| Batterij en capaciteit (aantal / Ah)                       | 1x85                 |
| Koelmethode                                                | Water Cooled         |
| Koelventilatorluchtstroom (m³ / min)                       | 120                  |
| Koelvloeistofcapaciteit (alleen motor / met radiator) (lt) | /25,5                |
| Luchtfilter                                                | Dry Type             |





### Dynamo specificaties

|                                |               |
|--------------------------------|---------------|
| Fabrikant                      | Mecc Alte     |
| Alternatormerk en -model       | ECP 32-3L/4 B |
| Frequentie (HZ)                | 50            |
| Kracht (kVA)                   | 75            |
| Spanning (V)                   | 400           |
| Fase                           | 3             |
| Automatische spanningsregelaar | DSR           |
| Voltage regulatie              | (+/-)1%       |
| Isolatiesysteem                | H             |
| Bescherming                    | IP23          |
| Nominale vermogensfactor       | 0.8           |
| Gewicht dynamo (Kg)            | 293           |
| Koellucht (m³/min)             | 11.8          |

### OPEN TYPE GENERATOR AFMETINGEN (mm)

|                     |      |
|---------------------|------|
| Lengte              | 2150 |
| Breedte             | 1050 |
| Hoogte              | 1543 |
| Droog gewicht (kg.) | 1120 |

### AFMETINGEN GENERATORKAST (mm)

|                     |      |
|---------------------|------|
| Lengte              | 3100 |
| Breedte             | 1050 |
| Hoogte              | 1641 |
| Droog gewicht (kg.) | 1300 |

### Over Product

No Data

### Besturingskaart

|                        |        |
|------------------------|--------|
| Controle Module        | DSE    |
| Besturingsmodule model | 4520   |
| İletişim Portları      | MODBUS |

- 1 - Main Status and instrumentation display
- 2 - Menu navigation buttons
- 3 - Auto mode
- 4 - Manual mode / start button
- 5 - Reset/Stop button

### Apparaten

DSE, model 4520 auto mains failure control module.

Static battery charger.

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 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 4520 control module is a standard addition to our generator sets between 10kva and 20kva and it has been designed to start and stop diesel generating sets that include electronic and non electronic engines. The DSE 4520 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 DSE4520 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.
- \*LCD display makes information easy to read.
- \*Front panel programming and also via PC software.
- \*Soft touch membrane keypad and two key menu navigation.
- \*Event logging (15) showing date and time.
- \*Date and time engine exercise mode and maintenance scheduler.
- \*Control buttons; stop, manuel/start, auto, 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

kVA

kW

Pf

kVAr

kWh, kVAh, kVArh

##### MAINS

Voltage (L-L, L-N)

Frequency

**WARNING**

Charge failure  
Battery Low/High voltage  
Fail to stop  
Low fuel level (opt.)  
Over current

**PRE-ALARMS**

Low oil pressure  
High 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 (opt.)  
Over /Under speed  
Under/over generator frequency  
Under/over generator voltage  
Oil pressure sensor open

**ELECTRICAL TRIP**

Generator over current

**Optie Kenmerken**

High oil temperature shut down  
Low fuel level shut down  
Low fuel level alarm  
High fuel level alarm

**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 and output is 5 amper, 13,8 V for 12 volt and 27,6 V for 24 V . Input 198 - 264 volt AC. Proline 2405 has fully output short circuit protection and it can be used as a current source.





Proline 1205/2405 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. 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

- Heavy duty, water cooled naturalgas engine
- 46/50 °C ambient rated radiator with mechanical fan
- Protective grille for fan and rotating parts
- Electric starter and charge alternator
- Starting battery (with lead acid) including rack and cables
- Engine jacket cooling 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 belows supplied separately
- Static battery charger
- Manual for use and installation

### Generator hardware-opties

#### ENGINE

Remote Radiator Cooling

Low Coolant level alarm

#### ALTERNATOR

Anti-Condensation heater

Over sized alternator

Main line circuit breaker

#### CONTROL SYSTEM

Remote annunciator panel

Uzağa alarm paneli

Alarm output relays

Earth fault, single set

Charging ammeter

#### TRANSFER ANAHTARI

Üç kutuplu kontaktör

Four Pole Contactor

#### WISE ACCESSORIES

Manual oil drain pump

Electrical oil drain pump

Enclosure: weater protective or sound attenuated

Duct adapter ( on radiator)

Inlet and outlet motorised louvers





Tool kit for maintenance

Supplied with oil and coolant - 30 °C

Automatic transfer switch

#### **Certificaten**

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