## 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 | 280,00 | 350,00 | 253,60 | 317,00 | 505,20 |

**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 | ADG 350 |
| Frequentie (HZ) | 50 |
| Brandstoftype | Natural Gas |
| Motormerk en -model | HYUNDAI GV180TI |
| Alternatormerk en -model | ECO 38-3L/4 A |
| Configuratiescherm Model | DSE 7320 |
| Cabine | MS 80 NG |

## MOTORSPECIFICATIES

| | |
|---|---|
| Motor | HYUNDAI |
| Motor model | GV180TI |
| Silindir Sayısı (L) | 10 cylinders - V type |
| Bore (mm.) | 128 |
| Stroke (mm.) | 142 |
| Silindir Hacmi (lt.) | 18.273 |
| Aspiratie | Turbo Charged and Intercooled(Water to Air) |
| Compressieverhouding | 10.5:1 |
| Hız (d/dk) | 1500 |
| Olie capaciteit (Filtre Dahil) (lt) | 35 |
| Stand-by vermogen (kW/HP) | 319/434 |
| Prime Power (kW/HP) | 290/394 |
| Blokverwarmingshoeveelheid | 1 |
| Blokkeer verwarmingsvermogen (Watt) | 3000 |
| Brandstoftype | Natural Gas |
| Bedrijfsspanning (Vdc) | 24 Vdc |
| Batterij en capaciteit (aantal / Ah) | 2x120 |
| Laaddynamo (A) | 45 |
| Koelmethode | Water Cooled |

| | |
|---|---|
| Koelventilatorluchtstroom (m³ / min) | 540 |
| Koelvloeistofcapaciteit (alleen motor / met radiator) (lt) | 42/254.4 |
| Luchtfilter | Dry Type |
| Brandstofverbruik bij eerste 100% belasting (lt / uur) | 74.7 |
| Brandstofverbruik primair 75% belasting (lt / uur) | 67.5 |
| Brandstofverbruik bij eerste 50% belasting (lt / uur) | 57.4 |

## Dynamo specificaties

| | |
|---|---|
| Fabrikant | Mecc Alte |
| Alternatormerk en -model | ECO 38-3L/4 A |
| Frequentie (HZ) | 50 |
| Kracht (kVA) | 350 |
| Spanning (V) | 400 |
| Fase | 3 |
| Automatische spanningsregelaar | DSR |
| Voltage regulatie | (+/-)1% |
| Isolatiesysteem | H |
| Bescherming | IP23 |
| Nominale vermogensfactor | 0.8 |
| Gewicht dynamo (Kg) | 905 |
| Koellucht (m³/min) | 32 |

## OPEN TYPE GENERATOR AFMETINGEN (mm)

| | |
|---|---|
| Lengte | 3740 |
| Breedte | 1550 |
| Hoogte | 2050 |
| Droog gewicht (kg.) | 3400 |

## AFMETINGEN GENERATORKAST (mm)

| | |
|---|---|
| Lengte | 5410 |
| Breedte | 1860 |
| Hoogte | 2650 |
| Droog gewicht (kg.) | 4765 |

## Over Product

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 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

- -

## Generator hardware-opties

ENGINE

Remote Radiator Cooling

Low Coolant level alarm

Oil heater

ALTERNATOR

| |
|---|
| Anti-Condensation heater |
| Over sized alternator |
| Single Phase ( 4 lead) |
| Main line circuit breaker |
| CONTROL SYSTEM |
| Automatic synchronising and power control system ( multi gen-set Parallel ) |
| Paralel system with mains. |
| Remote annunciator panel |
| Uzağa alarm paneli |
| Alarm output relays |
| Remote communication with modem |
| Earth fault, single set |
| Charging ammeter |
| TRANSFER ANAHTARI |
| Four Pole Contactor |
| VISE 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 |
| 1500/3000 hours maintenance kit |
| Supplied with oil and coolant - 30 °C |
| Automatic transfer switch |

## Certificaten

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