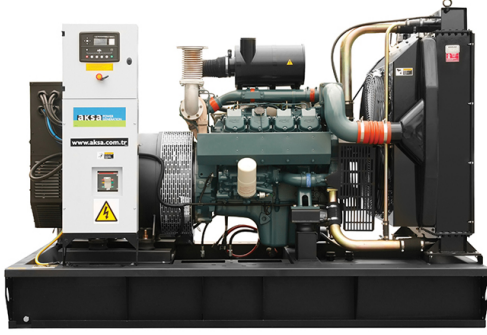




Ürün Hakkında

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.

Güç

3 Phase, 60 Hz, PF 0.8

Voltaj (V)	STANDBY GÜÇ(ESP)		PRIME GÜÇ (PRP)		STANDBY AKIM (A)
	kW	kVA	kW	kVA	
380 / 220	460,0	575	416.00	520	874
480 / 277	464,0	580	420.00	525	698
208 / 120	460,0	575	414.40	518	1596

STANDBY RATING (ESP) Güvenilir bir şebeke kaynağının güç kesintisi süresince değişken elektrik yüküne güç sağlamak için geçerlidir. ESP, ISO 8528-1'e uygundur. Aşırı yüklemeye izin verilmez.

PRIME RATING (PRP) Değişken elektrik yüküne sınırsız saat boyunca güç sağlamak için geçerlidir. PRP, ISO 8528-1'e uygundur. %10 aşırı yük kapasitesi, 12 saatlik çalışma süresi içinde 1 saatlik bir süre için kullanılabilir.

Genel Özellikler

Model Adı	AD 580-6
Frekans (Hz)	60
Yakıt Tipi	Diesel
Motor Marka ve Modeli	Hyundai DP158LC
Alternatör Marka ve Modeli	Stamford HCI544D
Kontrol Panel Modeli	DSE 7320
Kabin Modeli	MS 70

Motor Özellikleri

Genel Bilgiler

Üretici	Hyundai
Motor Modeli	DP158LC
Silindir Sayısı / Tipi	8 cylinders - V type



Bore mm (in)	128
Stroke mm (in)	142
Hacim l (cu. In)	14.618
Sıkıştırma Oranı	15.0:1
Motor Hızı (rpm)	1800
Standby Güç (kW/hp)	513/697
Prime Güç (kW/hp)	466/634
Blok Isıtıcı (Adt)	1
Blok Isıtıcı Gücü (Watt)	3000
Governor Sistemi	Electronic
Hava Filtresi	Dry Type
Hava Emiş	Turbo Charged and Intercooled (Air to Air)

Yağlama Sistemi

Yağ Kapasitesi l (gal)	22
Maks. Yağ Sıcaklığı °C (F)	120

Yakıt Sistemi

Yakıt Tipi	Diesel
Enjeksiyon Tipi	Direct
Yakıt Pompa Tipi	WEIFU in-line "P" type

Elektrik Sistemi

Çalışma Voltajı (Vdc)	24 Vdc
Akü ve Kapasite (Adt/Ah)	2x120
Şarj Alternatörü (A)	45

Soğutma Sistemi

Soğutma Metodu	Water Cooled
Soğutma Suyu Kapasitesi (yalnızca motor)l (gal)	20

Egzoz Sistemi

Egzoz Gaz Debisi (m³/dk)	101
Egzoz Geri Basınç in-Hg (kPa)	5.9
Egzoz Gaz Sıcaklığı °C (F)	543
Egzoz Geçen Isı kW (BTU/min)	458

Radyatör

Toplam Soğutma Suyu Kapasitesi (l)	68.5
Soğutma Fan Hava Debisi m³/min (ft³/min)	550



Soğutma Havası Harici Direnç (Pa)

125

Yakıt Tüketimi

%100 Prime Yükte Yakıt Tüketimi l/h (kg/h)

123.8

%75 Prime Yükte Yakıt Tüketimi l/h (kg/h)

91.4

%50 Prime Yükte Yakıt Tüketimi l/h (kg/h)

62.7

Alternator Özellikleri

Üretici

Stamford

Alternatör Model

HCl544D

Frekans (Hz)

60

Güç (kVA)

644

Voltaj (V)

480

Faz

3

A.V.R.

AS440

Voltaj Regülasyon

1

Yalıtım Sınıfı

H

Koruma Sınıfı

IP23

Nominal Güç Faktörü

0.8

Toplam Generator Ağırlık (kg)

1393

Soğutma Havası (m³/dk)

78,7

Açık Jeneratör Boyutları

Uzunluk mm

3110

Genişlik mm

1550

Yükseklik mm

1990

Açık Gen.Set Brüt Ağırlık, Kuru kg

3150

Yakıt Tank Kapasitesi (l)

700

Kabin Özellikleri

Uzunluk mm

4434

Genişlik mm

1606

Yükseklik mm

2496

Kuru Ağırlık kg

4100

Yakıt Tank Kapasitesi (l)

700

Kontrol Paneli

Üretici

DSE

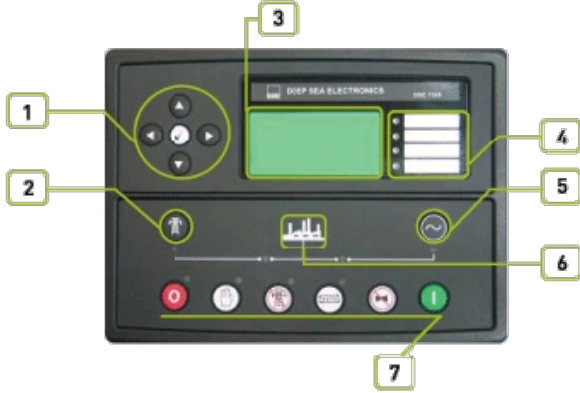


Kontrol Modül Modeli

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

Standart Cihazlar

DSE model 7320, Auto Mains Failure control module, with a highly sophisticated level of new features and functions
Static battery charger, Fuses for control circuits

Kontrol Ünitesi

- 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.

Yapım ve Boya

- 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

Montaj

The Control panel is mounted at the generating set baseframe on robust steel stand or power module. Located at side of generating set with properly panel visibility.

Motor

- Engine speed
- Oil pressure
- Coolant temperature
- Run time
- Battery volts
- Engine maintenance due

Durdurma

- Fail to start
- Emergency stop
- Low oil pressure
- High engine temperature
- Low coolant level
- Under/over speed
- Under/over generator frequency
- Under/over generator voltage
- Oil pressure sensor open

Uyarılar

- Charge failure
- Battery under voltage
- Fail to stop
- Low fuel level (opt.)
- kW over load
- Negative phase sequence
- Loss of speed signal



-Phase rotation

Jeneratör

- Voltage (L-L, L-N)
- Current (L1-L2-L3)
- Frequency
- Earthcurrent
- kW
- Pf
- kVAr
- kWh, kVAh, kVArh
- Phasesequence

Ön-Alarmlar

- Low oil pressure
- High engine temperature
- Low engine temperature
- Under/over speed
- Under/over generator frequency
- Under/over generator voltage
- ECU warning

Elektrik Açma

- Earth fault
- kW over load
- Generator over current
- Negative phase sequence

Şebeke

- Voltage (L-L, L-N)
- Frequency

Genişleme Modülleri

- Additional LED module (2548)
- Expansion relay module (2157)
- Expansion input module (2130)

Opsiyonlar

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

Kontrol Paneli Uyumluluk Listesi

- Electrical Safety / Electro Magnetic Compatibility (EMC)
- BS EN 61000-6-2 EMC Generic Immunity Standard
- BS EN 61000-6-4 EMC Generic Emission Standard
- BS EN 60950 Electrical Safety

Statik Akü Şarj Cihazı

- 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.

Standart Ekipmanlar

- 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

Opsiyonel Ekipmanlar

Motor

- Fuel-Water Separator Filter
- Oil heater

Alternatör

- Anti-Condensation Heater
- Over sized alternator
- PMG excitation + AVR
- Main line circuit breaker

Kontrol Paneli

- Automatic synchronising and power control system (Multi gen-set Parallel)
- Parallel system with mains
- Transition synchronization with mains
- Alarm output relays
- Earth fault, single set
- Parallel system with mains
- Remote relay output
- Remote communication with modem
- Charge Ammeter

Transfer Panosu

- Three or four pole contactor
- Three or four pole motor operated circuit breaker

Yardımcı Ekipmanlar

- Main Fuel Tank
- Automatic or manual fuel filling system
- Electrical or manual oil drain pump
- Low and high fuel level alarm
- Inlet and outlet motorized louvers
- Inlet and outlet acoustic baffles
- Tool kit for maintenance
- 1500/3000 hours maintenance kit
- Supplied with oil and coolant (-30°C)

Egzoz

- Residential Silencer
- Silencer Spark Arrester
- Critical Silencer
- Catalytic Converter

Kabin

- Galvanized Coating
- ISO Container
- Marine Grade Paint

Opsiyonel Alternatör ve Kontrol Paneli

Please contact to your reseller for additional Alternator, Control Panel and Breaker Switch options.

Aksa Sertifikalar

Direktifler

- 2006/42/EC : Machinery Safety Directive
- 2014/30/EU : Electromagnetic Compatibility Directive
- 2014/35/EU : Low Voltage Directive

Standartlar

- TS ISO 8528-5:2022 / TS EN ISO 8528-13:2018 : Reciprocating internal combustion engine-driven alternating current generating sets- Part:13: Safety

**Quality Management Systems**

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018
ISO 27001:2013
ISO 10002:2018