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,50 Hz, PF 0.8

Voltaj (V)	STANDBY GÜÇ(ESP)		PRIME GÜÇ (PRP)		STANDBY AKIM (A)
	kW	kVA	kW	kVA	
400 / 231	108,0	135			195

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	APG 135
Frekans (Hz)	50
Yakıt Tipi	Natural Gas
Motor Marka ve Modeli	PSI 8.8LT CAC_ APG 135
Alternatör Marka ve Modeli	Mecc Alte ECP 34-1M/4 C
Kontrol Panel Modeli	DSE 6120
Kabin Modeli	AUL6

Motor Özellikleri

Genel Bilgiler

Üretici	PSI
Motor Modeli	8.8LT CAC_ APG 135
Silindir Sayısı / Tipi	8 cylinders - V type
Bore mm (in)	110,5 (4,4)

Stroke mm (in)	114,3 (4,5)
Hacim l (cu. In)	8,8 (535)
Sıkıştırma Oranı	10.1:1
Motor Hızı (rpm)	1500
Standby Güç (kW/hp)	162,5 (217,9)
Blok Isıtıcı (Adt)	1
Blok Isıtıcı Gücü (Watt)	1000
Governor Sistemi	ECU
Hava Filtresi	Dry Type
Hava Emiş	Turbo Charged

Yağlama Sistemi

Yağ Kapasitesi l (qal)	7,6 (2)
Maks. Yağ Sıcaklığı ºC (F)	121 (250)

Yakıt Sistemi

Yakıt Tipi	Natural Gas
Enjeksiyon Tipi	Spark-Ignited
Yakıt Pompa Tipi	-

Elektrik Sistemi

Çalışma Voltajı (Vdc)	12 Vdc
Akü ve Kapasite (Adt/Ah)	1 /85

Soğutma Sistemi

Soğutma Metodu	Water Cooled
Soğutma Suyu Kapasitesi (yalnızca motor)l (gal)	13,7 (3,6)

Egzoz Sistemi

Egzoz Gaz Debisi (m³/dk)	27,5

Yakıt Tüketimi

%100 Prime Yükte Yakıt Tüketimi m3/h (kg/h)	33,6 (24,1)

Alternator Özellikleri

Üretici	Mecc Alte
Alternatör Model	ECP 34-1M/4 C
Frekans (Hz)	50

Güç (kVA)	125
Voltaj (V)	400
Faz	3
A.V.R.	DSR
Voltaj Regülasyon	1
Yalıtım Sınıfı	H
Koruma Sınıfı	IP23
Nominal Güç Faktörü	0.8
Toplam Generator Ağırlık (kg)	370
Sıcaklık Artış Sınıfı	H
Soğutma Havası (m³/dk)	29.2

Kabin Özellikleri

Uzunluk mm (ft)	3700 (146)
Genişlik mm (ft)	1100 (44)
Yükseklik mm (ft)	1488 (59)

Kontrol Paneli

Üretici	DSE
Kontrol Modül Modeli	DSE 6120
İletişim Portları	CANBUS

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 6120, Auto Mains Failure control module, Static battery charger input 198-264 volt, output 27,6V 5A (24V) or 13,8 Volt 5A (12V), fuses for control circuits. This Control Module is suitable for a wide variety of single gen-set applications

Kontrol Ünitesi

- The DSE 6120 module has been designed to monitor generator frequency, volt, current, engine oil pressure, coolant temperature running hours and battery volts.
- Module monitors the mains supply and control the switch over to the generator when the mains power fails.
- The DSE6120 also indicates operational status and fault conditions, Automatically shutting down the Gen. Set and giving true first up fault condition of Gen. Set failure.The LCD display indicates the fault.

Yapım ve Boya

Components installed in sheet steel enclosure. Phosphate chemical, pre-coating of steel provides corrosion corrosion-resistant surface. Polyester composite powder topcoat forms a high gloss and extremely durable finish. Lockable and hinged panel door provides easy access to components.

Montaj

Control panel is mounted on baseframe with steel stand. Located at the right side of the generator set (When you look at the Gen.Set. from Alternator side)

Motor

- Engine speed
- Oil pressure
- Coolant temperature
- Run time
- battery volts
- Configurable timing

Durdurma

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

Uyarılar

- Charge failure
- Battery Low/High voltage
- Fail to stop.
- Low /High generator voltage
- Under /Over generator frequency
- Over /Under speed
- Low oil pressure
- High coolant temperature

Jeneratör

- Voltage (L-L, L-N)
- Current (L1-L2-L3)
- Frequency
- Gen. Set ready
- Gen. Set enabled

Elektrik Açma

- Generator over current

Şebeke

- Mains ready
- Mains enabled

Opsiyonlar

- Flexible sensor can be controlled with temperature, pressure, percentage (warning/shutdown/electrical trip)
- Local setting parameters and monitoring from PC to control module with USB connection (max 6 mt).

Kontrol Paneli Uyumluluk Listesi

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

Statik Akü Şarj Cihazı

- Battery charger is manufactured with switching-mode and SMD technology and ıt 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.
- 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.

Standart Ekipmanlar

- Water cooled, gas 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 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

Aksa Sertifikalar

Direktifler

- 2006/42/EC : Machinery Safety Directive
- 2004/108/EC : Electromagnetic Compatibility Directive
- 2006/95/EC : Low Voltage Directive

Standartlar

- EN ISO 8528-13:2016 : Reciprocating internal combustion engine-driven alternating current generating sets- Part:13: Safety

- Max load and overload ratings based on ISO 3046 gross flywheel power.
- Technical data based on ISO 3046-1 standards of 77°F(25°C), 14,5Psia (100kPa) and 30% relative humidity.
- Production tolerances in engines and installed components can account for power variations of ± 5%. Altitude, temperature and

excessive exhaust and intake restrictions should be applied to power calculations.
- All fuel and thermal calculations unless otherwise noted are done at ISO 3046 rated load using LHV for NG of 48,17 MJ/kg.
- At 0,5 in-H2O of Package Restriction at STP
-Volume calculated using density of 0,717 kg/m3 for NG and 0,51 kg/L for LPG