



Ürün Hakkında

Aksa power generation system, providing optimum performance, and reliability, for stationary prime power exclusively for Telecommunication.. 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	88,0	110	80.00	100	159

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	APD-T 110 BD-S3A
Frekans (Hz)	50
Yakıt Tipi	Diesel
Motor Marka ve Modeli	Baudouin 4M10G6D3/5
Alternatör Marka ve Modeli	Aksa AK 490
Kontrol Panel Modeli	D-500
Kabin Modeli	AKCELL-30

Motor Özellikleri

Genel Bilgiler

Üretici	Baudouin
Motor Modeli	4M10G6D3/5
Silindir Sayısı / Tipi	4 cylinders - in line
Bore mm (in)	105
Stroke mm (in)	118



Hacim I (cu. In)	4.09
Sıkıştırma Oranı	17.5:1
Motor Hızı (rpm)	1500
Standby Güç (kW/hp)	105/141
Prime Güç (kW/hp)	96/129
Blok Isıtıcı (Adt)	1
Blok Isıtıcı Gücü (Watt)	750
Governor Sistemi	ECU
Hava Filtresi	Dry Type
Hava Emiş	Turbo Charged and After Cooled

Yağlama Sistemi

Yağ Kapasitesi I (qal)	13
Maks. Yağ Sıcaklığı °C (F)	115

Yakıt Sistemi

Yakıt Tipi	Diesel
Enjeksiyon Tipi	Direct
Yakıt Pompa Tipi	HPCR (High Pressure Common Rail)

Elektrik Sistemi

Çalışma Voltajı (Vdc)	12 Vdc
Akü ve Kapasite (Adt/Ah)	1x66
Şarj Alternatörü (A)	80

Soğutma Sistemi

Soğutma Metodu	Water Cooled
Soğutma Suyu Kapasitesi (yalnızca motor)I (gal)	9.4

Egzoz Sistemi

Egzoz Gaz Debisi (m³/dk)	20.87
Egzoz Geri Basınç in-Hg (kPa)	8
Egzoz Gaz Sıcaklığı °C (F)	720
Egzoz Geçen Isı kW (BTU/min)	69.6

Radyatör

Toplam Soğutma Suyu Kapasitesi (l)	36
Soğutma Fan Hava Debisi m³/min (ft³/min)	125.7
Soğutma Havası Harici Direnç (Pa)	125

**Yakıt Tüketimi**

%100 Prime Yükte Yakıt Tüketimi l/h (kg/h)	22.31
%75 Prime Yükte Yakıt Tüketimi l/h (kg/h)	16.58
%50 Prime Yükte Yakıt Tüketimi l/h (kg/h)	11.43

Alternator Özellikleri

Üretici	Aksa
Alternatör Model	AK 490
Frekans (Hz)	50
Güç (kVA)	112.5
Voltaj (V)	400
Faz	3
A.V.R.	SX460
Voltaj Regülasyon	1
Yalıtım Sınıfı	H
Koruma Sınıfı	IP22
Nominal Güç Faktörü	0.8
Toplam Generator Ağırlık (kg)	431
Soğutma Havası (m³/dk)	30,84

Kabin Özellikleri

Uzunluk mm	2600
Genişlik mm	1400
Yükseklik mm	1608
Yakıt Tank Kapasitesi (l)	600

Kontrol Paneli

Üretici	Datacom
Kontrol Modül Modeli	D-500
İletişim Portları	MODBUS

Menu navigation buttons
Close mains button
Main Status and instrumentation display
Alarm LED's
Close generator button
Status LED's
Operation selecting buttons



Standart Cihazlar

The D-500 is a next-generation genset control unit combining multi-functionality and wide communication possibilities together with a reliable and low-cost design.

Kontrol Ünitesi

- Battery back-up real-time clock
- Battery charge run enabled
- Battery voltage

Yapım ve Boya

Storage temperature: -40°C to 80°C (-40 to +176°F)
Maximum humidity: 95% non-condensing.
IP Protection: IP65 from front panel, IP30 from the rear (with gasket)
Dimensions: 200 x 148 x 46mm (WxHxD)
Panel Cut-out Dimensions: 176 x 121 mm minimum.
Weight: 450 g (approx.)
Case Material: High Temperature, non-flammable ABS/PC

Montaj

Installation: Flat surface mounting on a Type 1 enclosure. Rear retaining plastic brackets.

Standart Özellikler

- Fuel filling & fuel theft alarms
- Idle speed control
- Combat mode support
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem & ethernet diagnostics
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring

**Ethernet & GPRS**

- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (USB&RS232)

Opsiyonlar

- 4-band GPRS modem (optional)

Kontrol Paneli Uyumluluk Listesi

- EU Directives Conformity
- 2006/95/EC (low voltage)
 - 2004/108/EC (electro-magnetic compatibility)
- Norms of reference:
- EN 61010 (safety requirements)
 - EN 61326 (EMC requirements)
- UL & CSA Compatibility:
- UL 6200, Controls for Stationary Engine Driven Assemblies (File# - 20140725-E314374)
 - CAN/CSA C22.2 No. 14-13 – Industrial Control Equipment

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, lightweight 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 the positive output and CF output.

Input: 196-264V.
Output: 27,6V 5A or 13,8V 5A.

Standart Ekipmanlar

- Water cooled, Diesel engine
- Control Board integrated with ATS Panel
- 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 and oil heater
- Fuel level sensor and heater
- Sound attenuated canopy with sub-base fuel tank and anti-vibration isolators
- Lifting points on top
- Door access sensors



- Motion sensor for unauthorized movement
- Lockable doors and internal fuel cap
- External fuel drainage pipes and protection lid
- 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

Yardımcı Ekipmanlar

- Ambient heater
- Resizable 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)

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