

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	1320,0	1650	1200,0	1500	2382

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	AP 1650
Frekans (Hz)	50
Yakıt Tipi	Diesel
Motor Marka ve Modeli	PERKINS 4012-46TAG2A
Alternatör Marka ve Modeli	Stamford S7L1D-C4
Kontrol Panel Modeli	7110
Kabin Modeli	AK 98-AP1650

Motor Özellikleri

Genel Bilgiler

Üretici	PERKINS
Motor Modeli	4012-46TAG2A
Silindir Sayısı / Tipi	12 cylinders - V type
Bore mm (in)	160



Stroke mm (in)	190
Hacim I (cu. In)	45.842
Sıkıştırma Oranı	13.0:1
Motor Hızı (rpm)	1500
Standby Güç (kW/hp)	1459/1957
Prime Güç (kW/hp)	1331/1785
Blok Isıtıcı (Adt)	2
Blok Isıtıcı Gücü (Watt)	3000
Governor Sistemi	Electronic
Hava Filtresi	Dry Type
Hava Emiş	Turbo Charged

Yağlama Sistemi

Yağ Kapasitesi I (qal)	177
Maks. Yağ Sıcaklığı °C (F)	105

Yakıt Sistemi

Yakıt Tipi	Diesel
Enjeksiyon Tipi	Direct
Yakıt Pompa Tipi	Mechanical

Elektrik Sistemi

Çalışma Voltajı (Vdc)	24 Vdc
Akü ve Kapasite (Adt/Ah)	4x143
Şarj Alternatörü (A)	55

Soğutma Sistemi

Soğutma Metodu	Water Cooled
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Egzoz Sistemi

Egzoz Gaz Debisi (m ³ /dk)	320
Egzoz Geri Basınç in-Hg (kPa)	5
Egzoz Gaz Sıcaklığı °C (F)	455
Egzoz Geçen Isı kW (BTU/min)	1080

Radyatör

Toplam Soğutma Suyu Kapasitesi (l)	195.7
Soğutma Fan Hava Debisi m ³ /min (ft ³ /min)	1762
Soğutma Havası Harici Direnç (Pa)	125



Yakıt Tüketimi

%100 Prime Yükte Yakıt Tüketimi l/h (kg/h)	309
%75 Prime Yükte Yakıt Tüketimi l/h (kg/h)	236
%50 Prime Yükte Yakıt Tüketimi l/h (kg/h)	164

Alternator Özellikleri

Üretici	Stamford
Alternatör Model	S7L1D-C4
Frekans (Hz)	50
Güç (kVA)	1550
Voltaj (V)	400
Faz	3
A.V.R.	MX341
Voltaj Regülasyon	1
Yalıtım Sınıfı	H
Koruma Sınıfı	IP23
Nominal Güç Faktörü	0,8
Toplam Generator Ağırlık (kg)	2910
Sıcaklık Artış Sınıfı	H
Soğutma Havası (m ³ /dk)	162,6

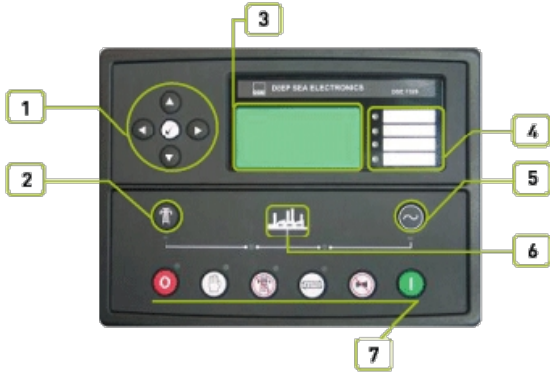
Kabin Özellikleri

Uzunluk mm	9000
Genişlik mm	2270
Yükseklik mm	2648
Yakıt Tank Kapasitesi (l)	1900

Kontrol Paneli

Üretici	DSE
Kontrol Modül Modeli	7110
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 7110 Auto Mains Failure control module
Static battery charger
Emergency stop push button and fuses for control circuits

Kontrol Ünitesi

The DSE7110 is designed to provide differing levels of functionality across a common platform. This allows the generator OEM greater flexibility in the choice of controller to use for a specific application. The DSE7110 MKII series module has been designed to allow the operator to start and stop the generator, and if required, transfer the load to the generator either manually or automatically. The DSE7110 MKII module monitors the engine, indicating the operational status and fault conditions, automatically shutting down the engine and giving a true first up fault condition of an engine failure by the LCD display.

Yapım ve Boya

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

Montaj

Control panel is mounted to gen-set baseframe on robust steel stand or power module. Located on the side of generating set with proper panel visibility.

Standart Özellikler

- 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
- Event logging (50) showing date and time
- Multiple date and time engine exercise mode and maintenance scheduler
- Engine block heater control.
- Auto start & auto mains failure control modules



Opsiyonlar

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

Kontrol Paneli Uyumluluk Listesi

BS 4884-1
BS 4884-2
BS 4884-3
BS EN 60068-2-1
BS EN 60068-2-2
BS EN 60950
BS EN 61000-6-2
BS EN 61000-6-4
BS EN 60529
UL508
NEMA rating
IEEE C37.2

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
- 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
- Steel base frame and anti-vibration isolators
- Spare external fuel tank
- 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

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)

Kabin

- Galvanized Coating
- ISO Container
- Marine Grade Paint

Transfer Panosu

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

Egzoz

- Residential Silencer
- Silencer Spark Arrester
- Critical Silencer
- Catalytic Convertor

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