



Ürün Hakkında

The GreenTech Series is a sustainable generator solution designed to reduce environmental impact through alternative fuel compatibility, low emission levels, and reduced noise output. With HVO fuel support and advanced exhaust and safety systems, it ensures compliance with environmental standards and significantly reduces carbon emissions. The GreenTech Series offers lifecycle performance certified by EPD and LCA. Through the use of recycled and bioplastic materials, hybrid-ready infrastructure, and environmentally conscious production processes, the GreenTech Series contributes to long-term sustainability goals. (Image is for illustrative purposes only.)

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	136,0	170	124.0	155	245

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	AC 170 - GTS
Frekans (Hz)	50
Yakıt Tipi	Diesel
Motor Marka ve Modeli	Cummins 6BTAA5.9-G7
Alternatör Marka ve Modeli	Aksa AK 4130
Kontrol Panel Modeli	DSE 6120
Kabin Modeli	GTS 10
Ses Seviyesi @1m , @7m (dB(A))	81.2 / 71.4

Motor Özellikleri

Genel Bilgiler

Üretici	Cummins
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Motor Modeli	6BTAA5.9-G7
Silindir Sayısı / Tipi	6 cylinders - in line
Bore mm (in)	102
Stroke mm (in)	120
Hacim l (cu. In)	5.9
Sıkıştırma Oranı	16.5:1
Motor Hızı (rpm)	1500
Standby Güç (kW/hp)	160/125
Prime Güç (kW/hp)	145/195
Blok Isıtıcı (Adt)	1
Blok Isıtıcı Gücü (Watt)	1000
Governor Sistemi	Electronic
Hava Filtresi	Dry Type
Hava Emiş	Turbo Charged and Charge Air Cooled

Yağlama Sistemi

Yağ Kapasitesi l (qal)	16.4
Maks. Yağ Sıcaklığı °C (F)	121

Yakıt Sistemi

Yakıt Tipi	Diesel
Enjeksiyon Tipi	Direct
Yakıt Pompa Tipi	Bosch Rotary Type

Elektrik Sistemi

Çalışma Voltajı (Vdc)	12 Vdc
Akü ve Kapasite (Adt/Ah)	1x85
Şarj Alternatörü (A)	55

Soğutma Sistemi

Soğutma Metodu	Water Cooled
Soğutma Suyu Kapasitesi (yalnızca motor)l (gal)	9.1/21.4

Egzoz Sistemi

Egzoz Gaz Debisi (m³/dk)	32.5
Egzoz Geri Basınç in-Hg (kPa)	10.25
Egzoz Gaz Sıcaklığı °C (F)	533
Egzoz Geçen Isı kW (BTU/min)	138

Radyatör

Soğutma Fan Hava Debisi m³/min (ft³/min)

162

Yakıt Tüketimi

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

37

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

29

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

19

Alternator Özellikleri

Üretici

Aksa

Alternatör Model

AK 4130

Frekans (Hz)

50

Güç (kVA)

162,5

Voltaj (V)

400

Faz

3

A.V.R.

AS460

Voltaj Regülasyon

1,5%

Yalıtım Sınıfı

H

Koruma Sınıfı

IP22

Nominal Güç Faktörü

0.8

Toplam Generator Ağırlık (kg)

530

Soğutma Havası (m³/dk)

30,84

Açık Jeneratör Boyutları

Uzunluk mm

2750

Genişlik mm

1300

Yükseklik mm

1821

Açık Gen.Set Brüt Ağırlık, Kuru kg

1570

Yakıt Tank Kapasitesi (l)

470

Kabin Özellikleri

Uzunluk mm

2760

Genişlik mm

1100

Yükseklik mm

1641

Kuru Ağırlık kg

2305

Yakıt Tank Kapasitesi (l)

240

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

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).

Elektrik Açma

- Generator over current

Kontrol Paneli Uyumluluk Listesi

- Electrical Safety / Electro Magnetic 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 it 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, 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

