



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.

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	52,8	66	48.0	60	95

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 66 - GTS
Frekans (Hz)	50
Yakıt Tipi	Diesel
Motor Marka ve Modeli	Cummins 4BTAA3.3-G13
Alternatör Marka ve Modeli	Mecc Alte ECP 32-2M/4 C
Kontrol Panel Modeli	DSE 8610
Kabin Modeli	GTS 10

Motor Özellikleri

Genel Bilgiler

Üretici	Cummins
Motor Modeli	4BTAA3.3-G13



Silindir Sayısı / Tipi	4 cylinders - in line
Bore mm (in)	95
Stroke mm (in)	115
Hacim l (cu. In)	3.3
Sıkıştırma Oranı	19.0:1
Motor Hızı (rpm)	1500
Standby Güç (kW/hp)	63/84
Prime Güç (kW/hp)	58/78
Blok Isıtıcı (Adt)	1
Blok Isıtıcı Gücü (Watt)	500
Governor Sistemi	Electronic
Hava Filtresi	Dry Type
Hava Emiş	Turbo Charged and Charge Air Cooled

Yağlama Sistemi

Yağ Kapasitesi l (gal)	7.9
Maks. Yağ Sıcaklığı °C (F)	120

Yakıt Sistemi

Yakıt Tipi	Diesel
Enjeksiyon Tipi	Bosch Mechanical
Yakıt Pompa Tipi	N/A

Elektrik Sistemi

Çalışma Voltajı (Vdc)	24 Vdc
Akü ve Kapasite (Adt/Ah)	2x55

Soğutma Sistemi

Soğutma Metodu	Water Cooled
Soğutma Suyu Kapasitesi (yalnızca motor)l (gal)	5

Egzoz Sistemi

Egzoz Gaz Debisi (m³/dk)	10.68
Egzoz Geri Basınç in-Hg (kPa)	10
Egzoz Gaz Sıcaklığı °C (F)	491
Egzoz Geçen Isı kW (BTU/min)	45

Radyatör

Soğutma Havası Harici Direnç (Pa)	125
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**Yakıt Tüketimi**

%100 Prime Yükte Yakıt Tüketimi l/h (kg/h)	14
%75 Prime Yükte Yakıt Tüketimi l/h (kg/h)	11
%50 Prime Yükte Yakıt Tüketimi l/h (kg/h)	7

Alternator Özellikleri

Üretici	Mecc Alte
Alternatör Model	ECP 32-2M/4 C
Frekans (Hz)	50
Güç (kVA)	62.5
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)	212
Sıcaklık Artış Sınıfı	H
Soğutma Havası (m³/dk)	15.7

Açık Jeneratör Boyutları

Uzunluk mm	2150
Genişlik mm	1050
Yükseklik mm	1516
Açık Gen.Set Brüt Ağırlık, Kuru kg	1070
Yakıt Tank Kapasitesi (l)	240

Kabin Özellikleri

Uzunluk mm	2760
Genişlik mm	1100
Yükseklik mm	1641
Kuru Ağırlık kg	1320
Yakıt Tank Kapasitesi (l)	240

Kontrol Paneli

Üretici	DSE
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Kontrol Modül Modeli

DSE 8610

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 DSE8610 is an easy to use multi-generator loadshare system, designed to synchronise up to 32 generators including electronic and non-electronic engines.

Kontrol Ünitesi

The DSE8610 monitors the generator and indicates operational status and fault conditions, automatically starting or stopping the engine on load demand or fault condition. System alarms are annunciated on the LCD screen (multiple language options available), illuminated LED and audible sounder. The event log will record 250 events to facilitate easy maintenance. An extensive number of fixed and flexible monitoring, metering and protection features are included as well as comprehensive communication and system expansion options.

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

Control panel is mounted inside the container base frame on robust free-standing located at the side of generating set with properly panel visibility.

Opsiyonlar

High oil temperature - Shutdown
Low fuel level - Shutdown
Low fuel level - Alarm

Kontrol Paneli Uyumluluk Listesi

ELECTRO MAGNETIC COMPATIBILITY BS EN 61000-6-2
EMC Generic Immunity Standard for the



High fuel level - Alarm
Customizable load control in parallel with the network
Wide range of ECU support
Highly configurable
Timers, Internal PLC, Force values and more are compatible with ComAp's IntelliVision displays
Active e-mail messaging and SMS with communication module

Industrial Environment
BS EN 61000-6-4
EMC Generic Emission Standard for the industrial Environment

ELECTRICAL SAFETY
BS EN 60950
Safety of Information Technology Equipment, including Electrical Business Equipment

TEMPERATURE
BS EN 60068
Ab/Ae Cold Test -30oC
BS EN 60068-2-2
Bb/Be Dry Heat +70oC

VIBRATION
BS EN 60068-2-6
Ten sweeps in each of three major axes
5Hz to 8Hz @ +/-7.5mm, 8Hz to 500Hz @ 2gn

HUMIDITY
BS EN 60068-2-30
Db Damp Heat Cyclic 20/55oC @ 95% RH 48 Hours
BS EN 60068-2-78
Cab Damp Heat Static 40oC @ 93% RH 48 Hours

SHOCK
BS EN 60068-2-27
Three shocks in each of three major axes 15gn in 11ms
DEGREES OF PROTECTION PROVIDED BY ENCLOSURES BS EN 60529
IP65 - Front of module when installed into the control panel with the supplied sealing gasket.

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 full 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
- Base frame design incorporates an integral fuel tank and anti-vibration isolators
- Flexible fuel connection hoses
- Single bearing, class H alternator
- Automatic synchronising and power control system (Multi gen-set Parallel)
- 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
- 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