

AC 200

aksa POWER GENERATION



230/400 V - 50 Hz	Generating Set Model	AC 200
Power Pf. 0,8	Standby kVA	200
	Prime kVA	180

Standby:Continuous running at variable load running position.It can run to main energy auxiliary.No overload is permitted on these ratings. In accordance with BS 5514, ISO 3046

Prime:Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period.Contact us for the other running periods. In accordance with ISO 8528, ISO 3046.

DESIGN SPECIFICATIONS

- High quality, reliable and complete power unit
- Compact design
- Easy start and maintenance possibility
- Every generating set is subjected to a comprehensive test programme which includes full load testing and checking and providing of all control and safety shut down functions testing
- Full engineered with a wide range of options and accessories:Canopy,soundproof and on road trailer

STANDARD GENSET SPECIFICATIONS

ENGINE:

- **CUMMINS** heavy duty diesel engine
- Four cycle, water cooled, turbo charged
- Mechanical Governor Control System
- Electronic Governor on AC 160
- Direct injection fuel system
- 12 Vdc starter and charge alternator
- Replaceable cylinder liners
- Cooling radiator and fan
- Starter battery(with lead acid) including Rack and Cables
- Flexible fuel connection hoses and manual sump oil drain valve
- Industrial capacity exhaust silencer and steel bellow
- Jacket water heater (at automatic models)
- Operation manuals and circuit diagram documents

ALTERNATOR:

- Brushless, single bearing system, 4 poles
- Insulation class H

- Standard degree of protection IP21
- Self-exciting and self-regulating
- Solid state automatic voltage regulator
- Screen protected and drip proof
- Impregnation with tropicalized epoxy varnished
- Stator winding with 2/3 pitch for improved harmonics

CHASSIS:

- Steel chassis and antivibration pads
- Base frame design incorporates an integral fuel tank
- The generating set can be lifted or carefully pushed / pulled by the base frame
- Dial type fuel gauge and drain plug
- Forklift pockets within baseframe

CANOPY:

- All canopy parts are designed with modular principles
- Without welding assembly
- To enable for lifting, easy maintenance and operation
- All metal canopy parts are painted by electrostatic polyester powder paint
- Exhaust silencer is protected against environmental influences
- Emergency stop push button is installed outside of canopy
- Modular canopy can also be installed at a later date
- Easy maintenance and operation
- Easy lifting and moving

QUALITY STANDARDS:

- The equipment meets the following standards: ISO 3046, VDE 0530, BS 4999, BS 5000, IEC 34-1. The generating set is manufactured by a full accredited ISO 9001 NQA.

CONTROL SYSTEM:

- 1 Otomatik Kontrol Panosu özellikleri - P 300
- Kontrol panosunda bulunan cihazlar :
- DSE 720 kontrol modülü ile sistemin kontrolü
- Statik akü sarj cihazı
- Acil stop butonu
- a) Jeneratör kontrol modülü DSE 720 özellikleri
- Jeneratör ve şebeke arızalarının izlenmesi ve kontrolü
- LCD ekrandan sistem parametrelerinin izlenmesi
- Modül ayarlarının ön panelden programlanması
- Basma tuşlarla kontrol pozisyonlarının kolay seçimi
- KAPALI->EL->OTO->TEST->START
- Jeneratör Start ve Stop tuşları ve Sayfa aşağı tuşu
- b) Göstergeler, LCD Ekran üzerinde
- Jeneratör Volt (F-N)
- Jeneratör Amper (L1, L2, L3)
- Jeneratör Frekansı (Hz)
- Şebeke Volt (F-F/ F-N)
- Motor Yağ Basıncı (PSI & Bar)

- Motor Su sıcaklığı
- Motor Hızı dev / dak
- Motor Çalışma Saati
- Akü Voltajı
- c)Alarmlar
- Düşük jeneratör voltajı
- Düşük / Yüksek jeneratör frekansı
- Aşırı Akım / Aşırı yük
- Düşük Yağ Basıncı
- Düşük Akü voltajı
- Yüksek Motor Harareti
- Düşük / Yüksek Hız
- Düşük Su Seviyesi
- Start Arızası
- Acil Stop
- Şarj Arızası
- d) Led göstergeleri
- Şebeke hazır
- Şebeke kesici devrede
- Jeneratör hazır
- Jeneratör kesici devrede
- 2- Manuel Kontrol Sistemi - ME40
- a)Kontroller
- DSE 701 modülü ile jeneratörün kontrolü
- Voltmetre seçici anahtarı
- Acil durdurma butonu
- Jeneratör çıkış saatleri
- b)Göstergeler
- 3 Ampermetre
- Volt-Frekans metre (Led'li)
- Motor su sıcaklığı göstergesi
- Çalışma saatleri
- Yağ basınç göstergesi
- c) DSE 701 Modül özellikleri
- Motor izleme ve koruma
- Kapalı / El Start pozisyonu
- d) Arıza LED göstergeleri
- Düşük yağ basıncı
- Yüksek motor sıcaklığı
- Aşırı hız
- Şarj arızası

TECHNICAL DATA				
Diesel Generating Sets 230/400 V - 50 Hz				
G R O U P	MODEL			AC 200
	Power Pf. 0,8			200
				160
				180 144
D	Engine Make			Cummins

I E S E L E N G I N E	Model		6 CTA 8.3 G2			
	Gross engine power output at rated rpm		kWm hp	180 241		
	Aspiration and Cooling			Turbo After Cooled		
	Cylinders Capacity		Lt	8.3		
	Cylinders and Build			6 In line		
	Engine Speed		rpm	1500 rpm		
	Bore and Stroke		mmxmm	114x135		
	Compression Ratio			16.8:1		
	Governor			Mechanical		
	Fuel Consumption		Load L/hr	1/2 20	3/4 30	Full 40
	Fuel Tank Capacity		Lt	370		
	Oil Capacity		Lt	23.8		
	Water Capacity		Lt	36		
	Air Intake - Engine		m ³ /min	11.5		
	Exhaust Gas Flow		m ³ /min	30		
	Alternator Voltage Regulation			± %1		

OPEN TYPES		
Dimensions (length x width x height)	mm	2310x1100x1600
Dry weight	kg	1660

SOUND ATTENUATED TYPE		
Canopy Model		ASM 6
Dimensions (length x width x height)	mm	3250x1100x1840
Dry weight	kg	2170

* Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

OPTIONAL EQUIPMENTS	
* Electronic governor control system (except AC 90)	* Fuel - water separator filter
* Remote Radiator	* Automatic fuel filling system

- * Engine oil heater
 - * Residential silencer
 - * Charge voltmeter
 - * Anti condensation heater for alternator
 - * 3 pole alternator circuit breaker (only for automatic models)
 - * Tool kit
 - * Automatic Transfer Switch by contactor or motorized circuit breaker
- * Manual sump oil drain pump
 - * Low fuel level alarm
 - * Charge ammeter
 - * Main fuel tank
 - * 4 Pole contactor
 - * Over sized alternator