Standby 17 kVA

Natural Gas Genarating Sets Powered

ABG 17

Engine : Briggs&Stratton
Alternator : Mecc Alte
Control System : P 70

ISO8528	This generator set has been designed to meet ISO 8528 regulation.
SZUTEST	This generator set is manufactured in facilities certified to ISO 9001.
CE	This generator set is available with CE certification.
2000/14/EC	Enclosed product is tested EU noise legislation 2000/14/EC

Rated Power, 3 Phase, 50 Hz, PF 0,8

	Standby Rating (ESP)		Prime Rating (PRP)		
Voltage	kVA	kW	kVA	kW	Amp
400/230	17.00	13.60	15.50	12.40	22.00

Standby Rating (ESP): Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. ESP is in accordance with ISO 8528. Overload is not allowed.

Prime Rating (PRP): Applicable for supplying power to varying electrical load for unlimited hours. PRP is in accordance with ISO 8528. 10 % overload capability is available for a period of 1 hour within 12-hour perod of operation,in accordance with ISO 3046.

Standart Specification

Naturalgas engine
Air cooled engine
Electric starter and charge alternator
Starting battery (with lead acid) including rack and cables
Base frame design vibration isolators
Flexible fuel connection hoses
Single bearing, class H alternator
Industrial exhaust silencer and steel belows supplied separately
Static battery charger for Automatic gensets
Manual for use and installation

Optional Equipments

VISE ACCESSORIES
- Enclosure: weater protective or sound attenuated

CONTROL SYSTEM
- Charging ammeter

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Natural Gas Powered Engine Specification

Manufacturer		Briggs&Stratton
Model		Vanguard
No. Of Cylindirs and Build		2 Cylinder V Type
Aspiration and Cooling		Naturally Aspirated
Maximum Standby Power	1500 d/dk	kW[HP]
	3000 d/dk	18.5kW[HP]
Total Displacement	L	993.0000
Bore and Stroke	Bore and Stroke	85,5 X 86,5
Compression Ratio		9:1
Rated Speed	rpm	3000
Governor		Mechanical
Fuel Consumption	m³/h	6,3
Gas Pressure	mbar	17-20
Oil Capacity	L	2
Absorbed Air Discharge	m³ /dk.	2
Exhaust Gas Flow	m³ /dk.	4
Exhaust Gas Tempratures	° C	540
Emitted Heat	kW	10
Electricity System		12

Alternator Specification

Manufacturer		Mecc Alte
Model		ECO 3-1 LN/2
Power	kW	16
Design		Brushless, 2-pole
Phase		3
Voltage	V	400/230
Akım	A	23
Insulation Class		H

Diemensions and Weight

Open Type	Dry Weight	Lenght	Width	Height
	kg.	mm.	mm.	mm.
Sound Attenuated Type	Dry Weight	Lenght	Width	Height
	kg.	mm.	mm.	mm.
	270	1450	670	780

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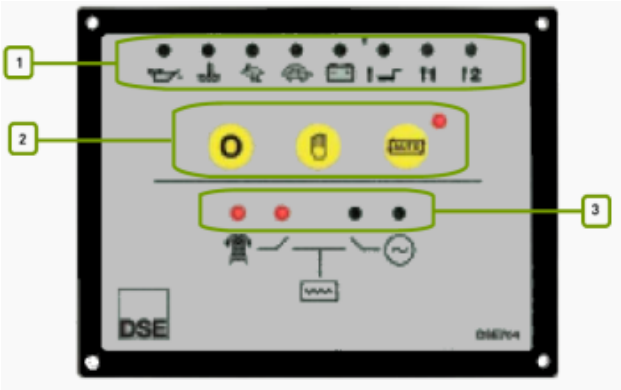
P 70 - Control System



1 Alarm LED's
2 Operation selecting buttons
3 Status LED's

Devices

DSE, model 704 Auto Mains Failure control module
Voltmetre, 0 - 500 Vac, 72 x 72 mm
Ammeter, 72 x 72 mm
Hour runmeter,
Static battery charger 5A, 220/240 volt
Emergency stop push button and fuses for control circuits
Mains and Generator transfer contactors between electrical lock with load terminals

Structure And Paint

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

Montage

Control panel is separate from generating set and wall (installing) type
Control cables is connected between genset and conrol panel.

Generator Control Unit

The DSE 704 conrol module is a standard addition to our gas powered generator sets up to 17kVA and it have been designed to start and stop
gas generating sets. The DSE 704 module has been designed to automatically start the generator when the mains (utility) power fails.
Switch over to the generator when the mains power fails. As soon as mains power is restored the modul transfers the load back to the mains supply
The DSE 704 also indicates operational status and fault conditions, automatically shutting down the generating set and indicating faults by means of
its LED indcators on the front panel.

Microprocessor controlled
LED indicators,
Transfer between mains (utilty) and generator power
On-site module configuration
User-friendly set-up and button layout
Front panel programming
Remote start
Controls: Stop/Reset, Manual, Auto, buttons.

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Indicator

ENGINE
- Run time
GENERATOR
- Voltage (L-L)
- Current (L-L)

Protection

WARNING
- Battery charge failure

SHUTDOWNS
- Fail to start
- Emergency stop
- Low oil pressure
- Under/over speed

Optional Properties

High oil temperature, shutdown
Low fuel level, shutdown
Low fuel level, alarm
High fuel level, alarm
Low coolant level, shutdown

Standards

BS EN 61000-6-2 EMC immunity standard
BS EN 61000-6-4 EMC emission standard for the industral environment

Electronic Charge Equipment

Battery charger is manufactured with switching-mode and SMD technology and it has high efficincy.
Battery charger models' output V-I characteristic is very close to square and output is 5 amper, 12 volt DC. Input 198 - 260 volt AC.
1205 has fully output shot circuit protection and it can be used as a current source.
1205 charger has high efficiency, long life, low failure rate, light weight 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 positive output and CF output.

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AKG 17 - Canopy

Introduction

Sound-attenuated and weather protective enclosures for generating sets from Aksa, meet event the sound requirements and provide optimum protection from inclement weather and development by our specialist acoustic engineers. Our modular designed sound insulated canopies (8 - 275kVA) fit directly to the open generator set to provide ease of access for servicing and general maintenance and interchangeable components permitting on-site repair. Enclosures are designed to optimize genset cooling performance, providing you with confidence that genset ratings and ambient capability.

Standart Specification

Compact footprint, low profile design.
Enclosure, generator set, exhaust system and base-tank are pre-assembled, pre-integrated and shipped as one package
Body made from steel components treated with polyester powder coating
Fire retardant foam insulation
Easy access to all service points
Exhaust system inside canopy
Large doors on each side
Control panel viewing window in a lockable access door
Emergency stop push button mounted on enclosure exterior
Cooling fan and battery charging alternator fully guarded
Fuel fill and battery can only be reached via lockable access doors.
Lifting points on the top of canopy and base frame
Customer options available to meet your applications needs.

Canopy Model		AKG 17
Width	mm.	660
Height	mm.	780

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