

# ALG 45

Engine : Lovol  
 Alternator : Mecc Alte  
 Control System : P 602



**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

Voltage	Standby Rating (ESP)		Prime Rating (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	45.00	36.00	41.00	32.80	59.20

**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 period of operation, in accordance with ISO 3046.

## Standart Specification

- Heavy duty, water cooled naturalgas engine
- 46/50 °C ambient rated radiator with mechanical fan
- Protective grille for fan and rotating parts
- Electric starter and charge alternator
- Starting battery (with lead acid) including rack and cables
- Engine jacket cooling 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 belows supplied separately
- Static battery charger
- Manual for use and installation

## Optional Equipments

### ENGINE

- Remote Radiator Cooling
- Low Coolant level alarm

### ALTERNATOR

- Anti-Condensation heater
- Over sized alternator
- Main line circuit breaker

### WISE ACCESSORIES

- Manual oil drain pump
- Electrical oil drain pump
- Enclosure: weater protective or sound attenuated
- Duct adapter ( on radiator)
- Inlet and outlet motorised louvers
- Tool kit for maintenance

### CONTROL SYSTEM

- Remote annunciator panel
- Alarm output relays
- Earth fault, single set
- Charging ammeter

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## ● Natural Gas Powered Engine Specification

Manufacturer	Lovol	
Model	1006NG	
No. of Cylinders and Build	6-cylinder, In Line	
Aspiration and Cooling	Naturally Aspirated	
Maximum Standby Power	1500 rpm	40.0kW[HP]
Total Displacement	L	5.9900
Bore and Stroke	Bore and Stroke	100x127
Compression Ratio	10:1	
Rated Speed	rpm	1500
Governor	Electronic	
Fuel Consumption	m <sup>3</sup> /h	7,8
Gas Pressure	mbar	27,5-35
Oil Capacity	L	16
Water Capacity	L	23
Absorbed Air Discharge	m <sup>3</sup> /min.	210
Exhaust Gas Flow	m <sup>3</sup> /min.	12
Exhaust Gas Temperature	° C	530
Electricity System	12 Vdc	

## ● Alternator Specification

Manufacturer	Mecc Alte	
Model	ECP32 3S/4	
Power	kW	43
Design	Brushless, 4 poles	
Cos fi	0,80	
Phase	3	
Voltage	V	400/230
5 <sub>ia</sub>	A	61
Stator	2 / 3 steps	
Excitation System	Electronic ( AVR )	

## ● Diemensions and Weight

Open Type	Dry Weight	Lenght	Width	Height
	kg.	mm.	mm.	mm.
<b>ALG 45</b>	1020	2150	1050	1320
Canopy	Dry Weight	Lenght	Width	Height
	kg.	mm.	mm.	mm.
<b>AK 39</b>	1270	3100	1050	1641

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## P 602 - Control System



- 1 A U]b'gHh g'X]gd'Um'
- 2 8]gd'Um]gVc''Vi Hrcb''
- 3 DU[ Yf]bZcfa Uh]cb'Vi Hrcb''
- 4 7ca ca cb U'Ufa ']bX]VUrcf''
- 5 GHh g'@98fg''
- 6 C dYfU]cb'gY'YV]b[ 'Vi Hrcbg''

## Devices

8G9ža cXY\*\*\$\$5i hc'A U]bg: U]i fY'Včbfc''a cXi 'Y''  
 6UHfYfmVUf[ Yf' ]bdi h%, !&\* ( j c'hžci hdi h''&+Z' J ) '5 f&( 'J k'cf% ž 'J c'h) 5 f%&J Ł  
 9a Yf[ YbVh]g'cd' di g\ 'Vi Hrcb'UbX Ž gYg'Zcf'Včbfc''V]V] ]fg''

## Structure And Paint

7ca dcbYb]g ]bgH'YX' ]b'g\YYhgY'Y'YbVčgi fY''D\cgd\UHY' VXYa ]WždfY!VčUH]b[ 'cZgHY' d'fcj ]XYg Včfcg]cb  
 fYg]gUbhgi fZUW''Dc'nYgHY'Vča d'cg]HY' d'ck XYf'hc'dVčUH'Zcfa g\][ [ 'cgg'UbX'YI hfYa Y'mXi fUVY'Z]b]g''@cW\_UVY  
 UbX'\]b[ YX'dUbY'Xccf'dfcj ]XYg'YUgmUWV'gg'hc''Vča dcbYb]g''

## Montage

'7cbf'c'dUbY' ]g'a ci bHY'cb'VUgYZUa Y'k ]h' ghY'g'UbX''@cW]HY' Uh]hY' f[ \hg]XY'cZ]hY' [ YbYfUrcf'gYhfK \Yb'nci  
 'cc\_'Uh]hY'; Yb''GYH'Zca '5'fYfbUrcfŁ

## Generator Control Unit

H\Y'8G9\* \$\$]g'U'g'UbXUfX Včbfc''a cXi 'Y'Zcf'ci f[ YbYfUrcf'gY]g'i d'hc'\$\$\_J 5'UbX'ih\Ug'VYYb'XYg][ bYX'hc  
 gUf]hUbX'g'hc'd'X]YgY'UbX' [ Ug[ YbYfUrcf'gY]g''H\Y'8G9\* \$\$]a cXi 'Y'\Ug'VYYb'XYg][ bYX'hc'a cb]rcf[ YbYfUrcf'  
 ZYei YbV]ž] c'ž'W'fYb]ž'Yb[ ]bY'c]' d'fYggi fYZ'Vč'Ubh]Ya dYfU]h' fY'fi bb]b[ '\ci fg'UbX'VUHfYfmj c'fg''A cXi 'Y  
 a cb]rcf'g'hY'a U]bg'gi dd'mUbX'gk ]VX'cj Yf'hc'hY' [ YbYfUrcf'k \Yb'hY'a U]bg'dck Yf'ZU]g''H\Y'8G9\* \$\$]U'g'c  
 ]bX]W]h'g'cdYfU]cbU'g'U]h' g'UbX'Z]i 'hVčbX]h]cbgž'5i hca Uh]W'm'g\i h]b[ 'Xck b'hY'; Yb''GYhUbX' [ ] ]b[ 'fi Y'Zfghi d  
 Z]i 'hVčbX]h]cb'cZ; Yb''GYhZ]i fY''H\Y'@7 8'X]gd'Um]bX]W]h'g'hY'Z]i 'h'

A ]Wčd'c'W'ggcf'Včbfc''YX''  
 @7 8'X]gd'Uma U\_Yg' ]bZcfa Uh]cb'YUgm]hc'fYUX''  
 (!]bYZ\* ( 1 '% &d] ]Y'X]gd'Um'

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## Indicator

9B; #9  
 9b[ ]bY'gdYYX"  
 C]'dfYggi fY"  
 7cc'UbhY'a dYfUhi fY"  
 F i b 'h'a Y"  
 6UHfYfmj c'lg"  
 7cbZ[ i fUV'Y 'h'a ]b[ "  
 ; 9B9F 5HCF  
 J c' hU[ Y f@ @B E"  
 7 i ffYbhf@% @&! @ E"  
 : fYei YbVWf  
 A 5-BG  
 J c' hU[ Y f@ @B E"  
 : fYei YbVWf  
 A U]bg'fYUXn"  
 A U]bg'YbUV'YX"  
 ; Yb"GYhfYUXn"  
 ; Yb"GYhYbUV'YX"

## Optional Properties

: 'YI ]V'Y'gYbgcf'WUb'VY'Vébfrc'YX'k ]h' h'a dYfUhi fYž  
 dfYggi fYždYfVW'bhU[ 'Y'fk'Urb]b[ #g'li' h'ck b#Y'VWf'W'f'f'dE  
 @cW'gYh]b[ 'dUfUa YHfg'UbX'a cb]rc]b[ 'Z'ca 'D7'hc  
 Vébfc'a cXi 'Y'k ]h' i G6 VébbyVW'cb'fà Ul '\*a h'

## Electronic Charge Equipment

'6UHfYfmVW'Uf[ Yf]g'a Ubi ZUM' fYX'k ]h' gk ]h'W]b[ !a cXY'UbX'GA 8 'h'VW'bc'c[ mUbX'ih'Ug'\ ][\ 'YZ]VYbVW'f'6UHfYfmVW'Uf[ Yf  
 a cXY'gfici hdi hJ !=VW'UFUVW'f]g]h]W]g] YfmVcgy'hc'gei UfY'UbX'ci hdi h]g] 'Ua dYfz%'ž'J'Z'f'&j'c'hUbX'&+ž'J'Z'f'&'J' "  
 #bdi h% , !'&'( 'j'c'h57'"'Dfc' ]bY'&(\$)' \Ug'Z' mci hdi h]g'chV]W]h]dfchV]W]cb'UbX'ih'WUb'VY'i'gYX'Ug'U'W'ffYbhigci'fV"  
 Dfc' ]bY'&(\$)' #&(\$)' V'Uf[ Yf'\Ug'\ ][\ 'YZ]VYbVW'z'cb[ ' ]Z'ž'ck'Z]i'fY'fUfYž' ][\ h'k'Y] [\ h'UbX'ck' \Y'UhfUX]UfYX' ]b  
 U'V'cfX'UbV'k ]h' ]bY'Uf'U'fY'fbU'h] Yg' H'Y'VW'Uf[ Yf]g'Z]h'YX'k ]h' 'U' d'f'c'f'Y'W]cb'X]c'XY'U'W'c'gg'h'Y'ci' hdi' h'7'cb'byVW'Uf[ Y'Z]i'  
 fY'Umivé' 'VY'h'Y'Y'b'dcg]h] Y'ci' hdi' h'UbX'7: 'ci' hdi' h' H'Y'm'UfY'Yei' ]ddYX'k ]h' F: =Z]h'f'hc'fYXi'V'Y'VW'f'W'bc]gY'fUX]UfYX'  
 Z'ca' h'Y'XY' ]W'"; Uj'Ub]W'm]gc'UfYX' ]bdi' h'UbX'ci' hdi' h'm]W'm( \_ ]Z'f'\ ][\ 'fY' ]UV' ]m'

## Protection

K 5F B-B;  
 7\Uf[ Y'Z]i' fY"  
 6UHfYfm@c'k # ][\ 'j'c' hU[ Y"  
 : U]'hc'ghcd"  
 @ck # ][\ ' [ YbYfU'rc'f'j'c' hU[ Y"  
 I bXYf#j' Yf[ YbYfU'rc'f'Z'Yei' YbVWf  
 Cj'Yf # bXYf'gd'YYX"  
 @ck 'c]'dfYggi' fY"  
 < ][\ 'V'c'UbhY'a dYfUhi' fY"  
 G<I H'8CK BG  
 : U]'hc'ghUf'  
 9a Yf[ YbV'rh]rc'd"  
 @ck 'c]'dfYggi' fY"  
 < ][\ 'V'c'UbhY'a dYfUhi' fY"  
 Cj'Yf # bXYf'gd'YYX"  
 I bXYf#j' Yf[ YbYfU'rc'f'Z'Yei' YbVWf  
 I bXYf#j' Yf[ YbYfU'rc'f'j'c' hU[ Y"  
 C]'dfYggi' fY'gYbgcf'cdYb"  
 7cc'Ubh' h'a dYfUhi' fY'gYbgcf'cdYb"  
 9@97 HF =7 5@HF #  
 ; YbYfU'rc'f'j' Yf'W'ffYb'h'

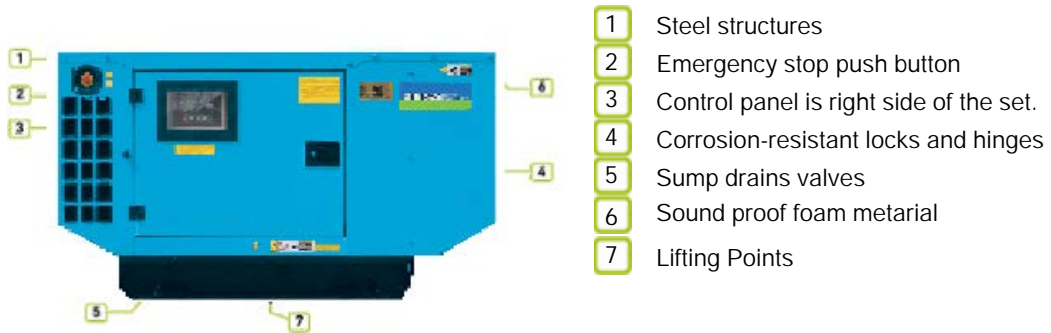
## Standards

9'Y'VW'W'GUZYhm#9A 7 'V'c'a dUH]V']hm6G'9B '\* \$-) \$  
 9'Y'VW'W'Vi'g]bYgg'Yei' ]da Yb'h'  
 6G'9B '\*%\$\$!\*!&9A 7 ]a a i b]m]ghUbXUfX"  
 6G'9B '\*%\$\$!\*!( '9A 7 'Ya ]gg]cb'ghUbXUfX

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## AK 39 - Canopy



## Introduction

Sound-attenuated and Weather-protective Enclosures Sound-attenuated and weather protective enclosures for generating sets from Aksa, meet even the sound requirements and provide optimum protection from inclement weather and development by our specialist acoustic engineers. Our modular designed sound insulated canopies 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 fuel tank are pre-ssembled, 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.
- Aksa makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level test has been approved by the notified body Szutest

Canopy Model		AK 39
Width	mm.	1050
Lenght	mm.	3100
Height	mm.	1641