

AMT 33

Engine : Mitsubishi
 Alternator : Stamford
 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.



This generator set is available with CE certification.

2000/14/EC

Enclosed product is tested according to EU noise legislation 2000/14/EC

3 Phase Ratings, 50 Hz, PF 0,8

Voltage	Standby Rating (ESP)		Prime Rating (PRP)		
	kVA	kw	kVA	kw	Amp
400/230	33,00	26,40	30,00	24,00	43,00

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 period of operation, in accordance with ISO 3046.

STANDARD SPECIFICATIONS

- 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

OPTIONAL EQUIPMENTS

ENGINE

- Remote Radiator Cooling

ALTERNATOR

- Main line circuit breaker

CONTROL SYSTEM

- Charge Ammeter

OTHER ACCESSORIES

- Automatic or manual fuel filling system
- Manual oil drain pump
- Residential silencer
- Enclosure: weater protective or sound attenuated
- Trailer
- Tool kit for maintenance
- Main Fuel Tank

TRANSFER SWITCH

- Three or four pole contactor
- Three or four pole motor operated circuit breaker

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➤ DIESEL ENGINE SPECIFICATIONS

Manufacturer		Mitsubishi
Model		S4S
No. of Cylinders and Build		4 Cylinder, In Line
Aspiration and Cooling		Naturally Aspirated
Maximum Standby Power		1500 rpm
		31,60 kw [42,40HP]
Total Displacement	L	3,330
Bore and Stroke	mm	94 x 120
Compression Ratio		22:1
Rated Speed (rpm)	rpm	1500
Governor		Mechanical
Oil Capacity	L	10,00
Coolant Capacity	L	20,70
Start System		12 V d.c.
Fuel Consumption	Load	%100
	L/h	8,80

➤ ALTERNATOR SPECIFICATIONS

Make		Stamford
Model		PI 144G
Frequency	Hz	50
Power	kVA	30,00
Design		Brushless, 4 poles
Cos Phi		0,80
Phase		3
Voltage	V	400/230
Current	A	43,00
Insulation Class		H
Stator		2 / 3 steps
Rotor		Single Bearing System, Flexible Disc
Excitation System		Electronic (AVR)

➤ DIEMENSIONS AND WEIGHT

Open Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
AMT 33	630,00	1500,00	900,00	1150,00	70,00
Canopy	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
AK 20	830.00	2100	960	1370	70

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1 P 602 - Control System



- 1 A U]b'gUhi g'X]gd'Um'
- 2 8]gd'UmgVfc''Vi hrcb''
- 3 DU[Yf]bZcfa Uhjcbk'Vi hrcb''
- 4 7 ca a cb U'Ufa]bX]WUhc''
- 5 GHUhi g'@98fg''
- 6 C dYfUhc'b'gY'YVW]b['Vi hrcb'g''

2 Devices

8G9ža cXY''\$&\$'5i hc'A U]bg': U]i fy Vëbfc''a cXi 'Y''
 6UHYfmVUf[Yf''jodi h%, !&* ('j c'hžci rdi h''&+ž' 'J) '5'f&('J E'cf%' ž 'J c'h) 5'f&&J k
 9a Yf[YbVhgrcd' di g\ 'Vi hrcb'UbX ž gYg Zc'fVëbfc''V]fVW]hg''

3 Construction and Finish

7 ca dcbYbtrg]bghU''YX']b'g\YYgh'Y''YbWcgi fy''D\cgd\UHY'WYa]W'ždfY!VëUhb['cZghY''dfcj]XYg Vëffcg]cb
 fYg]ghUbhgi fZUW''Dc'mYghY'Vëa dcm]Y' dck XYf'rcdVëUhZcfa g\]] ['cgg'UbX'YI hYa Y'mXi fUV'Y ž]b]g\''@cV\UV'Y
 UbX\]b[YX'dUbY'Xccf'dfcj]XYg YUgmUWV'gg hc''Vëa dcbYbtrg''

4 Installation

7cbfbc'dUbY'']g'a ci bHYX'cb VUgYZUa Y k]h' ghY''ghUbX''@cWUHYX'Uhih'Y'f[\hg]XY'cZh'Y [YbYfUhc'f'gyhfk \Yb'mci
 'cc_'Uhih'Y; Yb''GYH'Zca '5'HYfbUhc'fë

5 Generating Set Control Unit

H\Y''8G9''\$&\$']g'U'ghUbXUfX Vëbfc''a cXi 'Y'Zc'f'ci f [YbYfUhc'f'gyhg'i d'hc'&\$\$_J 5'UbX'ih\Ug'VYYb'XYg][bYX'hc
 ghUfhUbX'ghcd'X]YgY' UbX' [Ug[YbYfUhc'f'gyhg''H\Y'8G9''\$&\$' a cXi 'Y\Ug'VYYb'XYg][bYX'hc'a cb]rcf [YbYfUhc'f
 žYei YbVhžj c'iz'W'fYb'žYb[]bY'c']dfYggi fyžVëc'UbhiYa dYfUhi fy'fi bb]b[\ci fg'UbX' VUHY'fmj c'lg''A cXi 'Y
 a cb]rcf'g'h'Y'a U]bg'gi dd'imUbX'gk]W'c] Yf'hc'h'Y [YbYfUhc'f'k \Yb'h'Y'a U]bg'dck Yf'žU]g''H\Y'8G9''\$&\$'U'gc
]bX]WUHY'g'cdYfUhc'bU'ghUhi g'UbX'žIi h'VëbX]h'cbgž'5i hca Uh]W'mg\i h]b['Xck b'h'Y; Yb''GYhUbX' []]b['hfi Y'žfghi d
 žIi h'VëbX]h'cb'cZ; Yb''GYhžU]i fy''H\Y'@78'X]gd'Um]bX]WUHY'g'h'Y'žIi 'h'

Standard Specifications

- A]WëdfcW'ggcf'Vëbfc''YX''
- @78'X]gd'Uma U_Yg]bZcfa Uhjcb'YUgmhc'fYUX''
- (!]bYž*('1' % & d] Y'X]gd'Um'
- 5i hca Uh]W'mifUbgZ'fg'VYh'YYb'a U]bg'fi h]h'hc'UbX' [YbYfUhc'f'dck Yf''
- A Ubi U'dfc[fUa a]b['cb'Zc'bhidUbY''
- I gYf]Z]YbX'mgYh'i d'UbX'Vi hrcb''Uhc'i h'
- F Ya chY'ghUf'h'
- 9j Ybh'c[[]b['f] h'g\ck]b['XUHY'UbX'h'a Y''
- 7cbfbc'g' Ghcd#F YgYhž'A Ubi U'ž5i hcžHYghžGHUfžVi hrcb'g''5b'UXX]h'cbU'di g\ 'Vi hrcb'bYI hrc'h'Y'@78'X]gd'Um]g
 i gYX'hc'gVfc''h'fci [\ h'Y'a cXi 'Ygfa YH'f]b['X]gd'Umg''

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Instruments

9B: #9
 9b[]bY'gdYYX"
 C]'dfYggi fY"
 7cc'UbhY'a dYfUhi fY"
 F i b' hja Y"
 6UHYfmj c'rg"
 7cbZ[i fUVY' hja]b["
 ; 9B9F5HCF
 J c' hU[Y f@ @B' "
 7i ffYbhf@ @& @' "
 : fYei YbVW"
 A5-BG
 J c' hU[Y f@ @B' "
 : fYei YbVW"
 A U]bg'fYUXn'
 A U]bg'YbUV'YX"
 ; Yb"GYhfYUXn'
 ; Yb"GYhYbUV'YX"

Protection Circuits

K 5F B-B;
 7\Uf[Y Z]i fY"
 6UHYfm@ck #:[\] c' hU[Y"
 : U] 'hc' ghcd"
 @ck #:[\] [YbYfUhc'f j c' hU[Y"
 I bXYf#j Yf [YbYfUhc'f ZYei YbVW"
 Cj Yf# bXYf'gdYYX"
 @ck c]'dfYggi fY"
 <][\ V'c'UbhY'a dYfUhi fY"
 G<I H8CK BG
 : U] 'hc' ghUff"
 9a Yf [YbVW'ghcd"
 @ck c]'dfYggi fY"
 <][\ V'c'UbhY'a dYfUhi fY"
 Cj Yf# bXYf'gdYYX"
 I bXYf#j Yf [YbYfUhc'f ZYei YbVW"
 I bXYf#j Yf [YbYfUhc'f j c' hU[Y"
 C]'dfYggi fY'gYbgcf'cdYb"
 7cc'UbhY'a dYfUhi fY'gYbgcf'cdYb"
 9@97 HF =75@HF -D
 ; YbYfUhc'f c j YfW ffYbH'

Options

: 'YI J'Y'gYbgcf'WVb VY V'c'UbhY'a dYfUhi fY'Z
 dfYggi fY'Z dYfVW'bH[U' Y f'k Ufb]b[#]i' hXck b# 'YVW'VW' f'f'dL
 @c'W'gYh]b['dUfUa YHfg'UbX'a cb]hc'f]b['Zca 'D7' hc
 V'c'UbhY'a cXi 'Y'k]h' I G6 V'c'UbhY'a cb'fa Ul '* 'a H'

Standards

9'YVW'VW' 'GUZYfm#9A 7 'V'c'UbhY'a dUfV]]hm6G'9B '* \$-) \$
 9'YVW'VW' 'Vi g]bYgg' 'Yei]da YbH'
 6G'9B '* % \$ \$! * ! & 9A 7 'ja a i b]mighUbxUfX"
 6G'9B '* % \$ \$! * ! ('9A 7 'Ya]gg]cb' ghUbxUfX

Static Battery Charger

'6UHYfmVUf[Yf]g'a Ubi ZVM' fYX'k]h' 'gk]hV]b[!a cXY'UbX'GA 8 'fVW'bc'c[mUbx'ih\Ug\] [\ YZ]VYbVW' 6UHYfmVUf[Yf
 a cXY'gfci hdi hJ !=VUfUW'f]gh]W]g'j YfmV'cgY'hc'gei UfY'UbX'ci hdi h]g']'Ua dYfz% z']'Zcf'%&j'c'hUbX'&+Z']'Zcf'&'(]' "
 #bdi h% , ' ! & * (j c'h57 "' Dfc]bY' &(\$) \Ug'Z' "mici hdi hg\chV]VW]hdfchV]cb'UbX'ihVWb'VY' i gYX'Ug'U'VW'ffYbhgci fVW"
 Dfc]bY' %&\$) #&(\$) VUf[Yf\Ug\] [\ YZ]VYbVW'cb["]Z'Z' "ck ZU]i fY'fUfY'Z'] [\ hk Y] [\ hUbX' "ck \ YUhfUX]UfYX']b
 UVV'cfXUbW'k]h' "]bYUf'U'fYfbU]j Yg' H\Y'VUf[Yf]g'Z]hYX'k]h' U'dfchV]cb'X]cXY'UV'cgg'hY'ci hdi H'7 cbbYVW'VUf[Y'Z]
 fY'UmV'c] VYhk YYb'dcg]h]j Y'ci hdi hUbX'7: 'ci hdi H' H\Y'mUfY'Yei]ddYX'k]h' F: =Z]hYf'hc' fYXi VV'Y'YVW'VW' 'bc]gY'fUX]UfYX
 Zca 'hY'XY'jVW"; Uj Ub]W' m]gc'UfYX']bdi hUbX'ci hdi h]md]VW' m(_J 'Zcf\] [\ fY']UV]]m'

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AK 20 - Canopy



- 1 Steel structures
- 2 Emergency stop push button
- 3 Control panel is right side of the set.
- 4 Corrosion-resistant locks and hinges
- 5 Sump drains valves
- 6 Sound proof foam material
- 7 Base frame -tank

Introduction

Sound-attenuated and Weather-protective Enclosures Sound-attenuated and weather protective enclosures for generating sets from Akxa, 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 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.

Standard Specifications

- 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.
- Akxa 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

Width	mm.	960
Lenght	mm.	2100
Height	mm.	1370
Fuel Tank Capacity	L	70