

APD 25 A

Engine : Aksa
 Alternator : Aksa
 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 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	25,00	20,00	23,00	18,40	33,00

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

- Heavy duty, water cooled diesel engine
- 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
- Steel base frame and anti-vibration isolators
- Spare Fuel Tank
- Flexible fuel connection hoses
- Two 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
- Fuel-Water Separator Filter

ALTERNATOR

CONTROL SYSTEM

- Charge Ammeter

OTHER ACCESSORIES

- Automatic or manual fuel filling system
- Manual oil drain pump
- Low and high fuel level alarm
- Residential silencer
- Enclosure: weather protective or sound attenuated
- Trailer
- Tool kit for maintenance
- Main Fuel Tank

TRANSFER SWITCH

-
- Four Pole Contactor

APD 25 A

Engine : Akxa
Alternator : Akxa
Control System : P 602

● DIESEL ENGINE SPECIFICATIONS

Manufacturer		Akxa
Model		A4CRX25
No. of Cylinders and Build		4 Cylinder, In Line
Aspiration and Cooling		Naturally Aspirated
Maximum Standby Power		1500 rpm
		24 kW[32HP]
Total Displacement	L	2,54
Bore and Stroke	mm	90 X 100
Compression Ratio		18.0:1
Rated Speed (rpm)	rpm	1500
Governor		Mechanical
Oil Capacity	L	10,00
Coolant Capacity	L	11,00
Intake Air Flow	m ³ /min.	2,40
Radiator Cooling Air	m ³ /min.	113
Exhaust Gas Flow	m ³ /min.	6,80
Exhaust Gas Temperatures	° C	500
Start System		12 V d.c.
Fuel Consumption	Load	%100
	L/h	5,70

● ALTERNATOR SPECIFICATIONS

Make		Akxa
Frequency	Hz	50
Design		Brushless, 4 poles
Cos Phi		0,80
Phase		3
Voltage	V	400/230
Insulation Class		H
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
APD 25 A	665	1500	910	1100	95
Sound Attenuated Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
APD 25 A	790	1950	970	1250	95

APD 25 A

Engine : Akxa
Alternator : Akxa
Control System : P 602

P 602 - Control System



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

Devices

8G9ža cXY''\$&\$'5i hc'A U]bg: U]i fy Vcbfc''a cXi 'Y''
6UHYfmVUf[Yf]bdi h%, !&* ('j c'hžci rdi h''&+ž' J) '5'f&('J E'cf%' ž 'J c'h) 5'f&& ž
9a Yf[YbVhrcd' di g\ 'Vi Hrcb'UbX ž gYg Zc'fVcbfc''V]fV]rg''

Construction and Finish

7 ca dcbYbrg]bgh'YX]b'g\YYgh'Y'YbWcgi fy''D\cgd\UHY'WYa]WždfY!VcU]b['cZghY' d'fcj]XYg Vc'ffcg]cb
fyg]g]Ubhgi fZUV''Dc'mYgYfVc'a d'cg]Y' d'ck XYf'rcdVcU]hZcfa g\] ['cgg'UbX'Yi H'Ya Y'mXi fUV'Y ž]b]g''@cV]UV'Y
UbX\]b[YX'dUbY'Xccf' d'fcj]XYg YUgmUVV'gg'hc''Vc'a dcbYbrg''

Installation

7 cblfc' d'UbY']g'a ci bHYX'cb VUgYZUa Y'k]h' gHY' g'Ubx''@W]HYX'Uhi'Y'f[\hig]XY'cZ'HY [YbYfU]rcf'gYh'fK \Yb'nci
'cc_'Uhi'Y'; Yb''GYH'Zca '5'HYfbU]rcfE

Generating Set Control Unit

H'Y''8G9''\$&\$']g'U'g'UbxUfX Vcbfc''a cXi 'Y'Zc'ci f [YbYfU]rcf'gYhg'i d'hc'&\$\$_J 5'UbX'ih\Uj Y'VYYb'XYg][bYX'hc
ghUfhUbx'ghcd'X]YgY' UbX' [Ug[YbYfU]rcf'gYhg''H'Y'8G9''\$&\$' a cXi 'Y\Ug'VYYb'XYg][bYX'hc'a cb]rcf [YbYfU]rcf
Z'Yei YbVhžj c'iz'W'fYb'žYb[]bY'c' d'fYggi fyžVc'UbhiYa d'YfUhi 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'mUbx'gk]h'W'c] Yf'hc' h'Y' [YbYfU]rcf'k \Yb' h'Y'a U]bg'd'ck Yf'ZU]g''H'Y'8G9''\$&\$' U'gc
]bX]W]HY'g'cdYfU]cbU' ghUhi g'Ubx'Z]i 'hVcbX]h]cbgž'5i hca U]h'W'mg\i H]b['Xck b' h'Y'; Yb''GYhUbx' []]b['fi Y'žfghi d
Z]i 'hVcbX]h]cb'cZ; Yb''GYhZ]i' fy''H'Y'@78'X]gd'Um]bX]W]HY'g' h'Y'Z]i 'H'

Standard Specifications

A]Vc'dfc'W'ggcf'Vcbfc''YX''
@78'X]gd'Uma U_Yg]bZcfa U]cb'YUgmhc'fYUX''
(!']bYž*('1' % &d]]Y'X]gd'Um'

5i hca U]h'W'mifUbgZ'fg'VYh'YYb'a U]bg'fi h]h'hc'UbX' [YbYfU]rcf'd'ck Yf''
A Ubi U'dfc[fUa a]b['cb'Z'cbhdUbY''
I gYf]Z]YbX'mgYHi d'UbX'Vi Hrcb''Unci H'
: fcbhdUbY'dfc[fUa a]b[''
F Ya cHY'ghUff'

9j Ybh'c[[]b['f]g'g'ck]b['XUHY'UbX'h'a Y''
7 cblfc'g' Ghcd#F'YgYh'Z'Ubi U'ž'5i hcž'HYgh'GHUf'z'Vi Hrcbg''5b'UXX]h]cbU'di g\ 'Vi Hrcb'bYi hrc' h'Y'@78'X]gd'Um]g
i gYX'hc'gVc''h'fci [\ h'Y'a cXi 'Yg'f'a YHY'f]b['X]gd'Um]g''

APD 25 A

Engine : Aksa
 Alternator : Aksa
 Control System : P 602

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 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 ZVW' fYX'k]h' gk]hVW]b[!a cXY'UbX'GA 8 fYVW'bc'c[mUbx'ih\Ug\] [\ YZ]VbYVW' 6UHYfmVUf[Yf
 a cXY'gfci hdi hJ !=VUfUWV'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\chVW]hdfchVW]cb'UbX'ihVWb VY i gYX'Ug'U'VW'ffYbhgci fVW"
 Dfc']bY' %&\$) #& (\$) VUf[Yf \Ug \] [\ YZ]VbYVW'cb["]Z'Z' "ck ZU]i fY'fUfY'Z'] [\ hk Y] [\ hUbX' "ck \ YUhfUX]UfYX']b
 UVW'cfXUbVW' k]h' "]bYUf'U'fYfbU]j Yg' H\Y'VUf[Yf]g'Z'hYX'k]h' U'dfchVW]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]m]d]VW' m(_J 'Zcf \] [\ fY']UV']h'f'

APD 25 A

Engine : Aksa
 Alternator : Aksa
 Control System : P 602

APD 25 A - Canopy

Introduction

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 (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.

Standard Specifications

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.

Width	mm.	970
Length	mm.	1950
Height	mm.	1250