

Standby 43 kVA **Diesel Generating Sets**

APD 43 C

Engine : Alternator : Aksa Control System : P 602

AKSA POWER DIESEL





SZUTEST

This generator set is manufactured in facilities certified to ISO 9001.

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

3 Phase Ratings, 50 Hz, PF 0,8

	Standby Rating (ESP)		Prime Rating (PRP)		
Voltage	kVA	kW	kVA	kW	Amp
400/230	43,00	34,40	39,00	31,20	56,00

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.

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

STANDARD SPECIFICATIONS O

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

Static battery charger

Manual for application and installation

OPTIONAL EQUIPMENTS O

ENGINE

- Remote Radiator Cooling

- Fuel-Water Seperator Filter

OTHER ACCESSORIES

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

ALTERNATOR

- Anti-Condensation Heater

- Main line circuit breaker

CONTROL SYSTEM

- Charge Ammeter

TRANSFER SWITCH

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

APD 43 C

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MAKSA POWER DIESEL

DIESEL ENGINE SPECIFICATIONS

Manufacturer		Cummins
Model		4BT3,9-G2
No. of Cylinders and Build		4 Cylinder, In Line
Aspiration and Cooling		Turbo Charged
Maximum Standby Power		1500 rpm 40,00 kW [54,00HP]
Total Displacement	L	3,900
Bore and Stroke	mm	102 x 120
Compression Ratio		17,3:1
Rated Speed (rpm)	rpm	1500
Governor		Electronic
Oil Capacity	L	11,00
Coolant Capacity	L	19,20
Intake Air Flow	m³ /min.	2,70
Radiator Cooling Air	m³ /min.	120,00
Exhaust Gas Flow	m³ /min.	6,50
Start System		24 V d.c.
Fuel Consumption	Load	%100
	L/h	9,30

ALTERNATOR SPECIFICATIONS

Make		Aksa
Model		AK232
Frequency	Hz	50
Power	kVA	40,00
Design		Brushless, 4 poles
Cos Phi		0,80
Phase		3
Voltage	V	400/230
Insulation Class		Н
Excitation System		Electronic (AVR)

DIEMENSIONS AND WEIGHT

2

Open Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
APD 43 C	860,00	1860,00	900,00	1380,00	154,00
Canopy	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
ASM 4A	1240.00	2500	970	1560	154

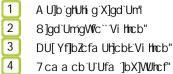
AKSA POWER GENERATION

APD 43 C

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P 602 - Control System





GhUhig @98fg"

5

6

CdYfUhjcbgY`YWhjb[`Vihhcbg"

Devices

8G9ža cXY``*\$&\$'5i hc A U]bg': U]'i fY Wcbhfc``a cXi `Y" 6UhhYfmWXUf[Yf`]bdi h%, !&*(jc`hžci hdi h``&+ž*J`) 5f&(JŁcf% ž, Jc`h) 5f&uL 9a Yf[YbWnghcd di g\ Vi hhcb UbX Zi gYg Zcf Webhfe WjfWi]hg"

Construction and Finish 0

7 ca dcbYbhg`]bghU`YX`]b`g\YYhghYY`YbWcgi fY"D\cgd\UhYWXYa]WU`ždfY!WcUh]b[`cZghYY``dfcj]XYg'Wcffcg]cb fYg]qhUbhqi fZUW""Dc`nYghYf'Wa dcg]hY'dck XYf'hcdWdUhZcfa g`\][\`[`cgg'UbX'YI hfYa Y`mXi fUV'Y Zb]g\""@cW_UV'Y UbX`\]b[YX`dUbY``Xccf`dfcj]XYg`YUgmUVWYgg`hc``Vta dcbYbhg"

Installation

7 cb/fc`dUbY`]g a ci bhYX cb VUgYZUa Y k]h ghYY`ghUbX''@VWhYX Uhh Y f][\hq]XY cZh Y [YbYfUhcf`qYhfK \Yb mci cc_Uhih Y; Yb"GYh"Zfca 5 hYfbUhcfŁ

Generating Set Control Unit

H\Y`8G9*\$&\$]g'U'gHUbXUfX'WebHc`acXi`Y'Zcf'cif'[YbYfUhcf'gYhg'id'hc'&\$\$_J5'UbX'ih\UjY'VYYb'XYg][bYX'hc ght/fh/UbX`ghcd`X]YgY`'UbX`[Ug`[YbYfUhcf`gYhg''H\Y`8G9`*\$&\$`a cXi`Y`\Ug`VYYb`XYg][bYX`'hc`a cb]hcf`[YbYfUhcf ŹYei YbWłźj c`łźWiffYbłźYb[]bY`c]`dfYggi fYźWcCUbhłYa dYfUh fY`fi bb]b[`\ci fg'ŪbX`VUłłYfmj c`łg''A cXi `Y a cb]hcfg/h,Y a U]bg/gi dd`mUbX/gk]hW cj Yf hc h,Y [YbYfUhcf k \Yb h,Y a U]bg/dck Yf ZJ] g'' H\Y 8G9*\$&\$ Ugc]bX]/WHYg cdYfUH]cbU glUh g UbX Zui hVebX]Hcbgž5i hca UH/W mg\i Hhb[Xck b h Y; Yb" GYhUbX []j]b[Hfi Y Zfghi d ZJi `hWebX]hjcb`cZ; Yb"`GYhZJ]`i fY"H\Y`@78`X]gd`Um]bX]Whyg`h,Y`ZJi `h'

Standard Specifications

A]WcdfcWggcfWcbhfc``YX" @78 X]gd`Uma U_Yg`]bZcfa Uh]cb YUgmhc fYUX" (!`]bYž*('I '% &'d]I Y`X]gd`Um' 5i hca UhjWU``mhfUbgZ/fg'VYhk YYb a Ujbg fi hj`hmz'UbX [YbYfUhcf'dck Yf" A Ubi U`dfc[fUa a]b[cb ZfcbhdUbY`' I gYf!Zf]YbX`mgYhii d`UbX`Vi hhcb``Unci h' fcbhdUbY`dfc[fUa a]b[" F Ya chY ghUfh 9j Ybh`c[[]b[`f%\$Łg\ck]b[XUHY UbX Ha Y" 7 cbHc g. Ghcd# YgYhz A Ubi U z 5i hcz HYghz GhUfhz Vi hcbg" 5b UXX)h cbU' di g\ Vi hcb bYl hhc h Y @78 X]gd Um]g igYX'hc`gWfc```h\fci[\'h\Y'acXi`Ygf'aYhYf]b['X]gd`Ung"

Diesel Generating Sets

WAKSA POWER DIESEL

Standby 43 kVA

AKSA POWER GENERATION

APD 43 C

Instruments

9b[]bY gdYYX" C]`dfYggi fY" 7 cc`UbhhYa dYfUh fY" Fibʻhla Y" 6UhhYfmj c`hg" 7 cb2][i fUV`Y`h]a]b[" ; 9B9F5HCF Jc`hU[Y`fk@!@ž@!BŁ" 7 i ffYbhif@%/@&!@ Ł : fYei YbWm/ A5₽G Jc`hU[Y`fk@!@ž@!BŁ" : fYei YbWm/ A U]bg fYUXm A U]bg'YbUV`YX"

- Yb" GYhfYUXm
- Yb" GYHYbUV YX"

Options

: `YI]V`Y`gYbgcf`WUb`VY`Wcblfc``YX`k]h\ 'HYa dYfUhi fYž dfYqqi fYždYfWybhU[YfkUfb]b[#q\i hXck b#YVWf]WU`hf]dŁ @cWU`gYhnjb[dUfUa YhYfgUbX a cb]hcfjb[Zfca D7 hc Webhfc``a cXi `Y'k]h I G6 WebbYWgeb fa UI '* a he

Static Battery Charger

Engine : Alternator : Aksa Control System :

P 602

Protection Circuits

K 5FB-₽; 7 \Uf[Y ZJ]`i fY" 6UhhYfm@ck #][\ 'j c`hU[Y" :U] "hc ghcd" @ck #][\ [YbYfUhcfjc`hU[Y" IbXYf#cjYf[YbYfUhcf2TYeiYbVhh Cj Yf # bXYf gdYYX" @ck 'c]`dfYggi fY" <][\ Wcc`UbhhYa dYfUh fY" G<I H'8CK BG : U]`hc`ghUfh' 9a Yf[YbWnghcd" @ck `c]`dfYggi fY" <][\`Wcc`UbhHYa dYfUh fY" Cj Yf # bXYf gdYYX" I bXYf#cj Yf'[YbYfUhcf'ZfYei YbWh' I bXYf#cj Yf [YbYfUhcf j c`hU[Y" C]`dfYggi fY`gYbgcf`cdYb" 7 cc`Ubh`HYa dYfUhi fY`gYbgcf`cdYb" ; YbYfUhcficj Yf Wi/ffYbh'

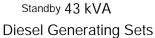
Standards

9`YWf]WU``GUZYhm#9A 7 'Vcta dUhjV]`]hm6G`9B`*\$-)\$ 9`YV#f]vv:`Vig]bYgg`Yei]da Ybh' 6G 9B * \$\$\$\$! * !& 9A 7]a a i b]mighUbXUfX" 6G 9B * %\$\$!*!(9A 7 Ya]gg]cb ghubXUfX"

`6UHHYfmWXUf[Yf`]g`aUbiZUWhifYX`k]N\`gk]WX]b[!acXY`UbX`GA8`HYWXbc`c[mUbX`ih\Ug`\][\`YZZWbYWHi6UHHYfmWXUf[Yf a cXY gfici hdi hJ !=Ŵ UfUWY []gh]W]gj YfmWcgY hc gei UfY UbX ci hdi h]g) Ua dYfz% z J Zcf & j c hUbX &+z* J Zcf & (J =bdi h%, '!'&* ('jc`h57"``Dfc`]bY'&(\$) `\Ug`Z ``mci hdi hg\chWjWi]hdfch'Wjdcb`UbX`ihWib`VY'i gYX'Ug`U'Wi ffYbhgci fW" Dfc`]bY'&&\$) #&(\$) `W\Uf[Yf`\Ug`\][\`YZJWjYbWnz``cb[``]ZYž``ck `ZU]`i fY`fUhYž`][\hkV][\hUbX``ck `\YUhfUX]UhYX`]b UWW2fXUbWYk]th``]bYUf'U'hYfbUlf] Yg''H\YWUf[Yf`]g'ZlhYXk]th`U'dfchYWgcbX]cXY'UWfcgg'h\Y'ci hdi H'7 cbbYWfWUf[YZU] fY`UmVd]`VYhkYYb`dcg]hjjY`cihdihUbX`7: `cihdih"H\YmUfYYei]ddYX`k]h\F:=Z]hYf`hc`fYXiWY`YYVhf]WU`bc]gY`fUX]UhYX ਟੋਟa "ħ\Y XYj [\VV"; Uj Ub]\VV``m]qc`UhYX]bdi hUbX ci hdi hImd]\VV``m(_J Zcf`\][\ fY`]UV[`]m'i

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AKSA POWER DIESEL



Engine : Cummins APD 43 C Alternator : Aksa AKSA POWER DIESEL Control System : P 602 1 Steel structures. ASM 4A - Canopy 9 2 2 Emergency stop push button. 1 6 3 Control panel is mounted on the baseframe . Located at the right side 4 Corrosion-resistant locks and hinges. 5 oil could be drained via valve and a hose 6 Exhaust system in the canopy. 7 special large access doors for easy maintanance 3 8 Base frame -fuel tank. 9 Lifting Points. 10 10 sound proofing materials. 5 8

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.

Standard Specifications O

AKSA POWER GENERATION

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
Lenght	mm.	2500
Height	mm.	1560
Fuel Tank Capacity	L	154