

APD 200 C

Engine : Cummins
 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 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	200,00	160,00	180,00	144,00	259,00

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 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
- Fuel-Water Separator Filter
- Oil heater

ALTERNATOR

- Anti-Condensation Heater
- Main line circuit breaker

CONTROL SYSTEM

- Earth fault, single set
- Charge Ammeter

OTHER ACCESSORIES

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

TRANSFER SWITCH

- Four Pole Contactor

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➤ DIESEL ENGINE SPECIFICATIONS

Manufacturer		Cummins
Model		6 CTA 8,3-G2
No. of Cylinders and Build		6 Cylinder, In Line
Aspiration and Cooling		Turbo Charged and After Cooled
Maximum Standby Power		1500 rpm
		180 kW[241HP]
Total Displacement	L	8,30
Bore and Stroke	mm	114 X 135
Compression Ratio		16,5:1
Rated Speed (rpm)	rpm	1500
Governor		Electronic
Oil Capacity	L	20,00
Coolant Capacity	L	40,00
Intake Air Flow	m ³ /min.	12,50
Radiator Cooling Air	m ³ /min.	186
Exhaust Gas Flow	m ³ /min.	30,00
Start System		24 V d.c.
Fuel Consumption	Load	%100
	L/h	40,00

➤ ALTERNATOR SPECIFICATIONS

Make		Aksa
Model		AK4150
Frequency	Hz	50
Power	kVA	188
Design		Brushless, 4 poles
Cos Phi		0,80
Phase		3
Voltage	V	400/230
Current	A	270
Insulation Class		H
Rotor		Single Bearing System, Flexible Disc
Excitation System		Electronic (AVR)

➤ DIEMENSIONS AND WEIGHT

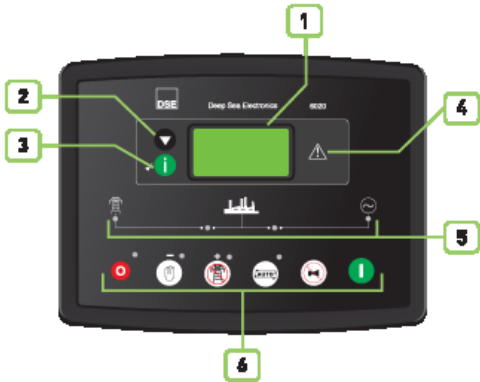
Open Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
APD 200 C	1860	2340	1100	1700	350
Sound Attenuated Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
APD 200C	2280	3270	1170	1870	350

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1 P 602 - Control System



- 1 A U]b'gHh g'X]gd'Um'
- 2 8]gd'UmgVc''Vi Hrcb''
- 3 DU[Yf]bZcfa UhjcbE'Vi Hrcb''
- 4 7 ca a cb U'Ufa]bX]WUrcf''
- 5 GHh g'@98fj''
- 6 C dYfUhjcb'gY'YVWb['Vi Hrcbg''

2 Devices

8G9ža cXY''\$\$'5i hc'A U]bg: U]i fy Vëbfc''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'fVëbfc' 'VfVW]rg''

3 Construction and Finish

7 ca dcbYbrj]bghU'YX]b'g\YYgh'Y'YbWcgi fy''D\cgd\UHY'WYa]WždfY!VëUhj['cZghY' d'fcj]Xyg Vëffcg]cb
 fy]g]Ubhgi fZUW''Dc'mYgYfVëa d'cg]Y' dck XYf'rcdVëUhZcfa g\]] ['cgg'UbX'Yi HfYa Y'mXi fUV'Y ž]b]g\''@cV\UV'
 UbX\]b[YX'dUbY'Xccf' d'fcj]Xyg YUgmUWV'gg'hc' 'Vëa dcbYbrj''

4 Installation

7 cblfc' d'UbY']g'a ci bHYX'cb VUgYZUa Y'k]h' ghY' 'ghUbX''@WUHYX'UhH'Y'f[\hig]XY'cZH'Y [YbYfUrcf'gYhfK \Yb'mci
 'cc_'UhH'Y; Yb''GYH'Zca '5'HYfbUrcfE'

5 Generating Set Control Unit

H'Y''8G9''\$\$']g'U'ghUbXUfX Vëbfc''a cXi 'Y'Zc'ci f [YbYfUrcf'gYhg]i d'hc'&\$\$_j 5'UbX'ih\Uj Y'VYYb'XYg][bYX'hc
 ghUfhUbX'ghcd'X]YgY' UbX' [Ug[YbYfUrcf'gYhg]H'Y'8G9''\$\$' a cXi 'Y\Ug'VYYb'XYg][bYX'hc'a cb]rcf [YbYfUrcf
 ZYei YbVhžj c'iz'W'fYbHžYb[]bY'c' d'fYggi fyZVëc'UbHfYa dYfUhi fy' fi bb]b[\ci fg'UbX' VUHYfmj c'hg]A cXi 'Y
 a cb]rcf'g'h'Y'a U]bg'gi dd'mUbX'gk]W'c] Yf'hc'h'Y [YbYfUrcf'k \Yb'h'Y'a U]bg'dck Yf'ZU]g''H'Y'8G9''\$\$' U'gc
]bX]WUHY'g'cdYfUhjcbU'ghUhi g'UbX'ZUj 'hVëbX]h]cbgž5i hca Uh]W'mg\i H]b['Xck b'h'Y; Yb''GYhUbX' []]b['Hf'Y'Zfghi d
 ZUj 'hVëbX]h]cb'cZ; Yb''GYhZU]i fy''H'Y'@78'X]gd'Um]bX]WUHY'g'h'Y'ZUj 'H'

Standard Specifications

A]Wëd'fc'W'ggcf'Vëbfc''YX''
 @78'X]gd'Uma U_Yg]bZcfa Uhjcb'YUgmhc'fYUX''
 (!]bYž*('1%'&d]] Y'X]gd'Um'

5i hca Uh]W'mifUbgZf'g'VYh'YYb'a U]bg'fi H]mhc'UbX' [YbYfUrcf'dck Yf''
 A Ubi U'dfc[fUa a]b['cb'ZcbhdUbY''
 I gYf]Z]YbX'mgYH'i d'UbX'Vi Hrcb''Urci H'
 : fcbhdUbY'dfc[fUa a]b[''
 FYa cHY'ghUff'

9j Ybh'c[[]b['f%\$kg\ck]b['XUHY'UbX'h'a Y''
 7 cblfc'g' Ghcd#F'YgYhZ' A Ubi U'Z5i hcZ'HYghZ'GHUfz'Vi Hrcbg''5b'UXX]h]cbU'di g\ 'Vi Hrcb'bYI hrc'h'Y'@78'X]gd'Um]g
 i gYX'hc'gVëc''h'fci [\h'Y'a cXi 'Yg'f'a YH'f]b['X]gd'Um]g''

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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 fUV'Y hja]b["
 ; 9B9F 5HCF
 J c' hU[Y f@ @B' "
 7i ffYbhf@ @& @ E"
 : fYei YbVW"
 A 5-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] h' 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] h' ghUf"
 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 #
 ; YbYfUhc'f j YfW'ffYbh"

Options

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

Standards

9'YVW'VW' GUZYhm#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]h'W]b[!a cXY'UbX'GA 8 'YVW'bc'c[mUbx'ih\Ug\] [\ YZ]VbYVW' 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 'J 'Zcf'%&j c'hUbX'&+Z' 'J 'Zcf'&'('J '
 #bdi h% , ' ! & * (j c'h57 "' Dfc]bY' & (\$) \Ug'Z 'mici hdi hg\chV'VW]hdfchV'V]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
 UVV'cfXUbW'k]h']'bYUf'U'fYfbU]j Yg' H\Y'VUf[Yf]g'Z]hYX'k]h' U'dfchV'V]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 V'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]]h'

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APD 200C - Canopy



Introduction

Sound-attenuated and Weather-protective Enclosures 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 (10- 300kVA) 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.
- 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

Width	mm.	1170
Lenght	mm.	3270
Height	mm.	1870