

CUMMINS 30KVA

3 Phase Ratings, 50 Hz, PF 0,8

Voltage	Standby Rating (ESP)		Prime Rating (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	30,00	24,00	27,00	21,60	38,00

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.



➤ DIESEL ENGINE SPECIFICATIONS

Manufacturer		Cummins
Model		4B3,9-G2
No. of Cylinders and Build		4 Cylinder, In Line
Aspiration and Cooling		Naturally Aspirated
Maximum Standby Power		1500 rpm
		26 kW[35HP]
Total Displacement	L	3,90
Bore and Stroke	mm	102 x 120
Compression Ratio		16,5:1
Rated Speed (rpm)	rpm	1500
Governor		Electronic
Oil Capacity	L	11,00
Coolant Capacity	L	19,00
Intake Air Flow	m ³ /min.	1,97
Radiator Cooling Air	m ³ /min.	120
Exhaust Gas Flow	m ³ /min.	4,05
Start System		24 V d.c.
Fuel Consumption	Load	%100
	L/h	6,70

➤ ALTERNATOR SPECIFICATIONS

Make		STAMFORD
Model		,
Frequency	Hz	50
Power	kVA	28
Design		Brushless, 4 poles
Cos Phi		0,80
Phase		3
Voltage	V	400/230
Current	A	39
Insulation Class		H
Rotor		Single Bearing System, Flexible Disc
Excitation System		Electronic (AVR)

➤ DIEMENSIONS AND WEIGHT

Sound Attenuated Type	Dry Weight	Lenght	Width	Height	Tank Capacity
	kg.	mm.	mm.	mm.	L
30 C	1200	2500	970	1600	

1 P 602 - Control System



- 1 A U]b'gHh 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]WUrcf''
- 5 GHh g'@98fg''
- 6 C dYfUhjcb'gY'YVW]b['Vi Hrcbg''

2 Devices

8G9ža cXY''*\$&\$'5i hc'A U]bg: U]i fy Včbfc''a cXi 'Y'
 6UHYfmVUf[Yf]bdi h%, !&*('j c'hžci rdi h''&+ž' 'j) '5'f&('j Ecf'% ž 'j c'h) 5'f&& ž
 9a Yf[YbVhgrcd' di g\ 'Vi Hrcb'UbX ž gYg ZcfVčbfc''V]fV]jg''

3 Construction and Finish

7 ca dcbYbrg]bgfU''YX']b'g\YYghHY''YbWcgi fy''D\cgd\UHY'WYa]WždfY!VčUhb['cZghYY'dfcj]XYg Včffcg]cb
 fy]g]hUbhgi fZUW''Dc'mYgYfVča dcm]HY' dck XYf'rcdVčUhzfa g\][\ ['cgg'UbX'YI HfYa Y'mXi fUY'Y ž]b]g\''@cV\UV'Y
 UbX\]b[YX'dUbY'Xccf' dfcj]XYg YUgmUWV]gg'hc''Vča dcbYbrg''

4 Installation

7 cblfc' dUbY''jg'a ci bHYX'cb VUgYZUa Y k]h' ghY''ghUbX''@cWUHYX'UhiHY'f[\hig]XY'cZHY' [YbYfUrcf'gyHfK \Yb'mci
 'cc_'UhiHY'; Yb''GYH'Zca '5'HYfbUrcfL

5 Generating Set Control Unit

HV''8G9''*\$&\$'jg'U'ghUbXUfX Včbfc''a cXi 'Y'Zfc'ci f[YbYfUrcf'gyHgi d'hc'&\$\$_j 5'UbX'ih\Uj Y'VYYb'XYg][bYX'hc
 ghUfhUbX'ghcd'X]YgY'UbX'[Ug[YbYfUrcf'gyHgi''H\Y'8G9''*\$&\$'a cXi 'Y'Ug'VYYb'XYg][bYX'hc'a cb]rcf[YbYfUrcf
 ZYei YbVhžj c'žW'fYbžYb[]bY'c]'dfYggi fyžVčc'UbhiYa dYfUhi fy'fi bb]b[\ci fg'UbX'VUHYfmj c'lg''A cXi 'Y
 a cb]rcfg'hY'a U]bg'gi dd'mUbX'gk]HW'c] Yf'hc'hY' [YbYfUrcf'k \Yb'hY'a U]bg'dck YfZU]g''H\Y'8G9''*\$&\$'Ugc
]bX]WUHY'g'cdYfUhjcbU'ghUhi g'UbX'Zi 'hVčbX]hcbgž5i hca Uh]W'mg\i H]b['Xck b'hY'; Yb''GYhUbX'[]j]b['HfY'Zfghi d
 ži 'hVčbX]hcb'cZ; Yb''GYhZU]i fy''H\Y'@78'X]gd'Um]bX]WUHY'g'hY'Zi 'H'

Standard Specifications

A]WčdfcWggcf'Včbfc''YX"
 @78'X]gd'Uma U_Yg]bZcfa Uhjcb'YUgmhc'fYUX"
 (!]bYž*('1'% &d]) Y'X]gd'Um'

5i hca Uh]W'mifUbgZfgyVYk YYb'a U]bg'fi H]hč'UbX' [YbYfUrcf'dck Yf'
 A Ubi U'dfc[fUa a]b['cb'ZcbhdUbY''
 I gYf]Z]YbX'mgYHi d'UbX'Vi Hrcb''Unci H'
 : fcbhdUbY'dfc[fUa a]b[''
 FYa cHY'ghUfH'
 9j Ybh'c[[]b['f%\$kg\ck]b['XUHY'UbX'hja Y''
 7 cblfc'g' Ghcd#F YgYhZ'A Ubi U'ž5i hcžHYghZGHUfz'Vi Hrcbg''5b'UXX]hcbU'di g\ 'Vi Hrcb'bYI hrc'hY'@78'X]gd'Um]g
 i gYX'hc'gVfc''h'fci [\ hY'a cXi 'Ygfa YHYf]b['X]gd'Umg''

Instruments

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

Protection Circuits

K 5F B-B;
7\U[Y Z]i fY"
6UHYfm@ck #] [\ j c'U[Y"
: U] 'hc'ghcd"
@ck #] [\ [YbYfUhc'f j c'U[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'gUff"
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'U[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'Wb VY V'c'bf'c'YX'k]h' h'Ya dYfUhi fYz
dfYggi fYz dYfVW'bhU[Y f'k Ufb]b[#]i f'Xck b# 'YVW'VW' f'dL
@c'W'gYh]b['dUfUa YH'fg'UbX'a cb]h'f]b['Zca 'D7 'hc
V'c'bf'c' a cXi 'Y'k]h' I G6 V'c'bbYVW'cb f'a Ul '* 'a H'

Standards

9'YVW'VW' 'GUZYhm#9A 7 'V'a dUHV']hm6G'9B '* \$-) \$
9'YVW'VW' 'Vi g]bYgg' 'Yei]da Ybh'
6G'9B '*%\$ \$! *! & 9A 7 'ja a i b]migtUbXUFX"
6G'9B '*%\$ \$! *! ('9A 7 'Ya]gg]cb'ghUbXUFX"

Static Battery Charger

'6UHYfmVUf[Yf]g'a Ubi ZUM fYX'k]h' 'gk]h'W]b[!a cXY'UbX'GA 8 'YVW'bc'c[mUbX'ih\Ug\] [\ YZ]VbYVW' 6UHYfmVUf[Yf
a cXY'gf'ci 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' "
#di h%, ' ! &* (j c'h57' " "Dfc]bY'&(\$) \Ug'Z' "mci hdi hg\chVW'VW]hdfchYVW]cb'UbX'ihVWb VY i gYX'Ug'U'W'ffYbhgci fVW"
Dfc]bY'&(\$) #&(\$) VUf[Yf\Ug\] [\ YZ]VbYVW'cb ["]Z] 'ck ZU]i fY'fUYZ'] [\ hk Y] [\ hUbX'ck \YUhfUX]UfYX']b
UW'c'fXUbW'k]h' "]bYUf'U'Y'fbU]h' Yg' H\Y VUf[Yf]g' Z]hYX'k]h' U'dfchVW]cb X]cXY'UV'cgg'h'Y'ci hdi H'7 cbbYVW'VUf[Y Z]j
fY'UmV'c' VY'hk Y'Yb'dcg]h]j Y'ci hdi hUbX'7: 'ci hdi H' H\YmUfY'Yei]ddYX'k]h' F: =Z]h'f'hc' fYXi V'Y'YVW'VW' 'bc]gY'fUX]UfYX
Zca 'h'Y'XY'j]V'"; Uj Ub]W' m]gc'UfYX']bdi hUbX'ci hdi h]m]d]W' m(_j 'Zcf\] [\ fY']UV]]m'



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.	2500
Height	mm.	1600