



## 1 Standby Güç (ESP) ve Prime Güç (PRP)

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

Standby Güç (ESP): ; j Yb]f' YVY\_Y'UnbU ibib\_Yg]a Yg]Xi fi a i bXUZXY ]\_YbYY\_f]m\_Y[', tYa ]b Yra YXY'\_j "Ubif"9GDz-6C,) & 'Yi ni a i Xi F"5 ifi m\_Ya YnY'n]b] Yf]a Ya ] Hf"

Prime Güç (PRP): 8Y ]\_YbYY\_f]m\_Yz[', tYa ]b Yra YXYzmi'gibifgin', U'i a U gUUh] ]b\_j "Ubif"DF DZ-6C,) & 'Yi ni a i Xi F"-6C' \$( \* mU[ "FY %&gUUh, U'i a U dYf]mcXi bXU %gUUh%\$i 'U ifi m\_Ya Y ] ]b\_j "Ubif"

## 2 GH5B85F H'x N9@@?@9F

Gi'gc i ha U'iXjny'a ctef  
 F Uxntuh f] Y a Y\_Ub]\_ZUb  
 : Ub j Y giVW\_dUf, UUFU'Xc\_j ba Uni" b'YnYb'\_cfi ni W'\_UZg  
 9'Y\_f]a Uf 'a ctef j Y' UF^U'YfbUhf  
 6U "UhwU'\_zfi f i b Ug]h]E\_UVc'Ufi'j Y gy\ dUgi  
 A ctef W\_Yhgi ni 'igihWgi  
 u Y'\_ UgY j Y HfY 'ja " b'Yn]VYHU\_cn'Uf  
 UgYnY YbfY[ fY nU\_ihU\_b\_j  
 9gb\_Y\_nU\_ihVU 'Ubh'\cfti a 'Ufi  
 HY\_nUHU\_tzj Y < nU'ha 'gibiZi'U'YfbUhf  
 9bX' gfrjny'\_UdUg]YXY gi gh fi W j Y YgbY\_, Y]\_ca dYbgUhf  
 9'Y\_fcb]\_U'\_ Uf^V\Uni  
 ?i "Ubia j Y'a cbHU^'Uj i ni

## 3 >9B9F 5Hx F '8CB5B-A 'G9u9B9?@9F

### MOTOR

! 'I nU\_fUXntuh f"gc i ha U  
 ! 'MU\_it]gi 'UnifWZ]fY

### ALTERNATÖR

! 'gihWZfi h VYh" b'Yn]VY

### KONTROL PANOSU

! ' UF^Ua dYfa YfYg]

### YARDIMCI DONATILAR

! 'MU 'Vc U'ha UzY'dca dUgi  
 - Egzoz susturucusu, meskûn mahal tip  
 ! 'A i \UZnU\_UV]b] /gYg nU'ha i Hjd j YnU'U, i\_U'Ub Hjd  
 - Römorklar  
 ! '5'YhU\_ia i fVU\_ia ], ]b\_t  
 ! '5bU'MU\_ihHUb\_j

### TRANSFER SWITCH

- Üç kutuplu kontaktör

## 8 N9@A C HCF 'x N9@@? @9F

Üretici		Cummins
Model		4B3,9-G2
G]j]bX]f]j Y' HUgUfia		( 'G]j]bX]f]j ŽGifU'i'H]d
Hava Emme		8c U'9a ] ]
Maksimum Standby Güç		1500 d/dk
		26 kW[35HP]
Toplam Silindir Hacmi	L	3,90
Çap ve Stroke	mm	102 x 120
G]j] hifa U'CfUbi		16,5:1
Norminal Devir	d/dk	1500
Governör Tipi		Elektronik
MU' ?UdUg]Yg]	L	11,00
Su Kapasitesi	L	19,00
Emilen Hava Debisi	m³ /dk.	1,97
Radyatör Hava Debisi	m³ /dk.	120
Egzoz Gaz Debisi	m³ /dk.	4,05
Elektrik Sistemi		24 V d.c.
MU_ihH' _Yf]a ]	Yük	%100
	L/sa	6,70

## 5@H9F B5Hx F 'x N9@@? @9F

Üretici		Aksa
Modeli		AK22
Frekans	Hz	50
Güç	kVA	28
HUgUfia		: if, Uginž( 'i h d'i
Cos fi		0,80
: Un'GUmigi		3
Voltaj	V	400/230
5_ia	A	39
MU'ih]a 'Gibiž		H
Rotor		HY_'MUH_'i'9gbY_'8]g_]
_Un'G]g]Y'a ]		Elektronik ( AVR )

## 6CM H'j Y'5 ₺ @?

5, i_ ; fi d	?i fi '5 ifi_	Boy	En	Yükseklik	MU_ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
APD 30 C	820	1860	900	1400	154
Kabinli Grup	?i fi '5 ifi_	Boy	En	Yükseklik	MU_ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
APD 30 C	1200	2500	970	1600	

# APD 30 C

Motor : Cummins  
Alternatör : Aksa  
Kontrol Sistemi : P 602



## 1 P 602 - Kontrol Sistemi



- 1 ; YbY`Xi fi a `j Y`" , a Y V`[ ]Yf`[ " ghYf`Y Y\_fUbi`"
- 2 9\_fUb V`[ ]Yf`b`])YfYfa Y`Vi hcbi`"
- 3 GUnZU`Vi hcbi`"
- 4 C fU`U`Ufa i`[ " ghYf`Yg`]"
- 5 8i fi a `@98 fYf`]"
- 6 uU`i` a U` Y`\_]gY, a Y`Vi hcb`Ufi`"

## 2 Cihazlar

8G9za cXY`\*`\$&\$`c`ca UH`\_` YVY`\_Y`UfinU`]n`Ya Y`j Y`YbYfUf` f`\_cbf`c`"a cX`"``"  
9`Y`\_fcb`\_`U`" UF`V`V`Un`i` ; ]f` " % , ! & \* ( j c`h`z`u`i`\_`i` `&+`z`" j ) `5` f`&( `j` k`j` YntU`%` z` `j` c`h` ) 5` f`&U` k`  
5`V`Y`Xi` f`Xi` fa` U`Vi` hcbi` `j` Y`\_cbf`c`"XY`j` f`Y`Y`f`], ]b`g`[` c`f`U`U`f`"

## 3 Müdi`j`Y`6`cnU`

7`]\`Un`U`f` , Y`\_`\_`g`U`X`Ub`]a` U`Y`X`]a` ]` d`Ubc`\_`UV`]b`]b`Y`a` cb`U`^`nt`U`d`i`r`i`f`"D`Ubc`\_`g`U`W`z`c`g`Z`U`h`\_`]a` n`U`g`U`i`]`Y`\_`Ud`\_`U`b`U`\_`g`U`W`  
m`i`n`Y`m`\_`c`f`c`n`c`b`U`X`]f`Y`b` , ]` \`U`Y`[`Y`h`f`]f`"D`c`m`Y`g`h`Y`f`V`Y` ]`\_`\_`h`c`n`V`c`n`U`j`Y`Z`f`i`b`\_`Ua`U` ]` `Ya` ]`Y`d`Ubc`\_`UV`]b`]b`Y`g`c`b`XY`f`Y`W`  
X`U`n`U`b`\_`i`V`c`n`U`n`U`d`i`r`i`f`?`]`h`]`Y`a`Y`b`Y`Y`]`d`Ubc`\_`Ud`U`i`]`Y`V`V`U`n`U`f`U`i`U`a`U`\_`\_`c`\_`U`n`X`i`f`"

## 4 Montaj

?`cbf`c`"d`Ubc`g`i`z`Y`b`Y`f`U`f` f`[` fi` Vi` `U`g`]g`"n`Y`f`]b`XY`\_`], Y`\_`\_`U`n`U`\_`U`f`]Y`V`U` `U`ba`i` h`i`f`"D`Ubc`z`Y`b`Y`f`U`f` f`[` fi` Vi` bi` b`i`g`U` `n`U`b`  
k`U`f`U`Z`b`U`f`[` fi` V`U`U`Y`f`b`U`h`c`f`k`U`f`U`Z`b`X`U`b`\_`V`U`\_`i`b`V`W`k`n`Y`f`Y` h`f`]a` ]` h`f`"

## 5 Jeneratör Kontrol Ünitesi

&`\$`\_`j`5`X`U` ]`j`Y`\_`\_` , \_`\_`[`\_` , XY`\_`]`Y`b`Y`f`U`f` f`[` fi` d`U`fia` i`n`X`U`8`G`9`\*`\$&\$`\_`\_`cbf`c`"a` cX`"``"gh`U`b`X`U`f`X`i`f`"A`cX`"z`[`U`n`j`Y`X`]n`Y`  
a`c`h`c`f`i` `Y`b`Y`f`U`f` f`[` fi` d`U`f`i`b`\_`c`h`c`a` U`H`\_`\_`c`\_`U`f`U`\_` , U`i` h`i`f`i`a` U`g`i`j`Y`X`i` f`i` fi` `a` U`g`i`b`i`[`Y`f` , Y`\_`\_`Y` h`f`]f`"A`cX`"z`Y`b`Y`f`U`f` f` b`  
Z`Y`\_`U`b`g`i`z`]`c`k`U`f`z`U`\_`]a` i`z`a`c`h`c`f`n`U` `V`U`g`i`b`V`W`z`c`i`h`a`U`g`i`m`i`g`i`V`W`\_`i`i`z` , U`i`a`U`g`U`U`h`z`U`\_`\_`j`c`k`U`f`b`i`]n`Y`n`Y`V`W`\_`j`Y`@`7`8`  
Y`\_`f`U`b`X`U`[` " gh`Y`f`Y`V`W`\_`\_`Y`\_`]X`Y`k`U`g`U`f`U`b`a`i` h`i`f`"5`m`i`V`W`"a`cX`"``"Y`V`Y`\_`j`c`k`U`f`b`i`]`Y`Z`Y`\_`U`b`g`i`b`i`]n`Y`f`j`Y`m`Y`X`\_`\_`Y`b`Y`f`U`f` f`  
[` fi` Vi` ]`Y`c`b`U`V`U` `i`[`\_` , h`f`U`b`g`Z`Y`f`g`]g`h`Y`a` ]b`]\_`cbf`c`"Y`X`Y`f`>Y`b`Y`f`U`f` f`X`Y`U`f`i`n`U`a` Y`n`X`U`b`U`[`Y`X`] ]b`XY`c`h`c`a` U`H`\_`\_`c`\_`U`f`U`\_`  
Y`b`Y`f`U`f` f`X`i` f`X`i` fi` i` f`j`Y`[ ]`]`U`f`i`n`U`a`cX`"``"b`"b`d`U`b`Y`]b`XY`@`7`8`Y`\_`f`U`b`X`U`[` " gh`Y`f`]f`"

### Standart Özellikler

- A`\_`\_`f`c`]` `Ya` V`Y`]Y`\_`\_`cbf`c`"``"
- @`7`8`Y`\_`f`U`b`X`U`b`z`V`[ ]`Y`f`]\_`c`\_`U`m`c`\_`i`a`U`"
- (!`g`i`f`U`z`\*(`1`%`&`[`f`U`Z`\_`Y`\_`f`U`b`"
- Y`V`Y`\_`j`Y`\_`Y`b`Y`f`U`f` f`[ ]` , Y`f`]`U`f`U`g`i`b`X`U`h`U`b`Z`Y`f`\_`\_`cbf`c`"``"
- x`b`d`U`b`Y`"n`Y`f`]b`XY`b`a`U`b`\_`Y`"d`f`c`[`f`U`a`\_`U`a`U`"
- 6`i`h`c`b`\_`U`f`i`b`n`Y`f`Y`\_`]a` ]`j`Y` ]` `Y`h`a`Y`g`]g`h`Y`a` ]\_`c`\_`U`n`i`
- x`b`d`U`b`Y`XY`b`d`f`c`[`f`U`a`\_`U`a`U`"
- I`n`U`\_`f`U`b` ; U`i` h`i`f`a`U`"
- <`U`Z`n`U`n`U`\_`\_`U`m`i`h`i` )`U`\_`U`f`a`i`[` " f`Y`V`]a`Y`"
- ?`cbf`c`"h` `U`fi` .G`h`c`d`#`G`i`z`f`Z`A`U`b`\_`Y`z`C`h`c`a` U`H`\_`\_`z`H`Y`g`r`z`G`U`f`z`V`i`h`c`b`U`f`i`"@`7`8`Y`\_`f`U`b`V`[ ]`]g`]b`]`Y`f`Y`h`a`Y`h`i`i`"

# APD 30 C

Motor : Cummins  
Alternatör : Aksa  
Kontrol Sistemi : P 602



## Ölçme Göstergeleri

A C H C F  
A c h c f X Y j f j"  
M U ` V U g i b W`  
G i ` g i V U \_ i i`  
u U i a U g U U j`  
5 \_ j c` t U t`  
5 n t f U b U V j` j f n U a U b` U a U`  
> 9 B 9 F 5 H x F  
J c` t U` f @ @ z @ B L`  
5 \_ j a ` U f` f @ @ z @ B L`  
: f Y \_ U b g`  
9 6 9 ? 9  
J c` t U` > f @ @ z @ B L`  
: f Y \_ U b g`  
Y V Y \_ Y < U n i f`  
Y V Y \_ Y 8 Y j f Y X Y`  
> Y b Y f U h f < U n i f`  
> Y b Y f U h f 8 Y j f Y X Y`

## Koruma Devreleri

? 5 N  
U f` U` Y` f b U h f U f i n U g i`  
8` \_ \_ # M \_ g Y \_ U \_ j c` t U t`  
G h c d` U f i n U g i`  
8` \_ \_ # M \_ g Y \_ Y b Y f U h f j c` t U t`  
8` \_ \_ # M \_ g Y \_ Y b Y f U h f Z Y \_ U b g i`  
8` \_ \_ # M \_ g Y \_ a c h c f` \ i n i`  
8` \_ \_ n U ` V U g i b W`  
M \_ g Y \_ g i ` g i V U \_ i i`  
8 I F 8 I F A 5` 5 @ 5 F A @ 5 F =  
G h U f h i U f i n U g i`  
5 W` g h c d`  
8` \_ \_ n U ` V U g i b W`  
M \_ g Y \_ g i ` g i V U \_ i i`  
8` \_ \_ # M \_ g Y \_ a c h c f` \ i n i`  
8` \_ \_ # M \_ g Y \_ Y b Y f U h f Z Y \_ U b g i`  
8` \_ \_ # M \_ g Y \_ Y b Y f U h f j c` t U t`  
M U ` V U g i b , a \_ j f j V U ` U b h g i` n e \_`  
< U f U f Y h a \_ j f j V U ` U b h g i` n e \_`  
9 @ 9 ? H F G 9 @ 5 u A 5  
> Y b Y f U h f U i f i U \_ j a`

## Opsiyon Özellikleri

< U f j W` g Y b g` f` j` Y ` V U g i b , z g i V U \_ i \_ z m` n X Y g Y` \_ \_ c b f c`  
j a \_ U b i` f i n t u f i z` \_ U d U h a U j Y` Y` Y` \_ f j \_ g Y` U f i n U t`  
D 7 f X Y b` I G 6 \_ U V` c` j` Y` a c X` \_ \_ b` c` \_ U` c` U f U \_  
d f c [ f U a ` U b a U g i` j` Y` j` n` Y b Y V` j` a Y g` j` f a U \_ g` \_` a Y h Y L`

## Standartlar

9` Y` Y` \_ f j \_ g Y` ; \_ j` Y b` \_ ` # 9 A 7` i m i b i \_ ` 6 G` 9 B` \* \$ - ) \$  
9` Y` \_ f j \_ j` ]` V` \` U n` U f i`  
6 G` 9 B` \* \$ \$ \$ ! \* ! & 9 A 7` a` i U z` n` Y h g h U b X U f h`  
6 G` 9 B` \* \$ \$ \$ ! \* ! ( ` 9 A 7` Y a` j g n e b` g h U b X U f h`

## 9` Y` \_ f j c b` \_ ` 5` \_ ` \_` U f` ^ 7` \` U n i`

5` \_ ` \_` U f` V` \` U n i` g k` j` W` X` j` b` [ ! a c X Y` j` Y` G A 8` i` Y` \_ b c` c` j` g` ]` Y` \_` f Y` h` a` ]` X` j` f` j` Y` m` \_ g Y` \_ j` Y` f` j` a` Y` g` U` \` d` h` f` 5` \_ ` z` j` !` =` \_` U f` U` \_` f Y` f` j` g` h`  
Y` \_ f` j` g` j` b` Y` [ ` f Y` \_` U f` ^` Y` X` ]` j` f` )` ` U a d Y f z` %` z` j` c` h` f` W` &` j` Y` +` z` j` c` h` f` &` ( ` j` L` )` ;` j` f` \_` %` ,` !` &` \*` ( ` j` c` h` 5` 7` " ` 7` \` U n` ,` i` \_` i` \_` i` g` U` X` Y` j` f Y n Y`  
\_` U f` \_` i` \_` c` f` i` b a i` \_` h` f` D f c` j` b Y` %` &` \$` )` # &` ( ` \$` )` :` U f` ^` V` \` U n i` z` j` b Y Y f` :` U f` ^` V` \` U n` U f i b U [ ` f Y` X U \` U j` Y f` j a` \_` j` z` i` n i` b` " a` \_` f` \_` z` U f i n U` c` f` U b i` X U \` U`  
X` \_` \_` z` \` U z` j` j` Y` i` g i` n` U n a` U g i` ,` c` \_` X` \_` \_` \_` h` f` " U f` ^` U f i n U g i` ,` i` \_` i` a` Y` j` W` h` i` f` " F` :` =` z` j` h` Y` j` Y` a` U b n` Y` h` \_` d` U f` U n` j` h` Y` f` j` V U g h` f a` U` " n` Y` )` ]`  
;` U j` U b` \_` j` n c` Y` ]` [` j` f` j` Y` ,` i` \_` i` \_` U f i` ( ` \_` j` W` \_` U X U f` U h` U a` U` U f` U` X` U n` U b i` \_` i` X i f`

# APD 30 C

Motor : Cummins  
Alternatör : Aksa  
Kontrol Sistemi : P 602



## APD 30 C - Kabin



## Yükseklik

5\_gU^YbYfUhr f [ fi d'Ufi' ], ]b\_U\_j gh\_ 'a ^\YbX]g^Yf]kUfUZbXUbZncf^Uj Uj Y', Yj fY' UfhUfibU'i nfi i b [ Y ] Hf]Yb'gYg nU'iha iz\_cfi a U'\_UV]b^Yf]/XYU' gYg'gYj ]nYg]j Y'\_cfi a U'gU 'UmUWU\_ Y\_]XY'kUgUfUbir'UF', \_J 5'! &+) \_J 5 [ ^, 'UFU'i ibXU ^YbYfUhr f [ fi d'Ufi' ], ]b'a cX' ^YfZg nU'iha '\_UV]b^Yf]ZU, i\_ [ fi d' nYf]bY'Xc fi XUb [ ]nX]fa YnUdr'UV]a Y'\_fYX]f' ? UV]b^YfZ [ fi VU'\_c^UmYgYf ]g] Y'VU\_ia nUdUV]a Y'j Y', U'i hi 'i nYfXY'dUf, U'XY ] ]a ]bY'c^UbU'\_gU 'UF'5nbi'nUa UbXU^YbYfUhr f [ fi Vi bi b', Yj fY'giWU'\_i ibU [ ^ fY'gc i ha UdYfZ'fa Ubgi'j Y [ ^, ; i ] ^XY' Yf]bXY'^Yf\Ub [ ]gYj ]nY'X' ^ \_ ^ a YnXUbU [ Y]fa YnYVW'\_nUdr'XU'c'a UgibUX]\_UhYX]YfY'\_UV]b^YfX]nUhb^YX]a ] X]f' ? UV]b^Yf]b', Yj fY'giWU'\_i j Y'gYg gYj ]nYg]i nfi i bi i ], ]b'dfcUhd' hYghYf]nUdr'Xi\_hUb'gcbfU' fY]ja ]nUdr'a i hif'

## Standart Özellikler

i 8' ^ \_dfcZ] ]j Y'\_Ud^Ua U'U'Ubi^Unz'\_ca dU\_hUgUfia  
i ? UV]b^YbYfUhr f gY]hZ]Y [ ncn'g]ghYa ] j Y'XYdc! UgY hY'\_dU\_Yhc^UfU'\_gYj \_YX]YVW'\_ Y\_]XYzV]f]f]b]V' h' b^YnYVW'\_j Y'\_c^Um a cbU^ ], b [ Y ] Hf]a ] Hf'  
i HYa ]n^Ya Y ] Ya ]bXYb [ Y, ]f]Yb', Y ] \_ [ ^ j XYb]b'dUf, U'Ufizdc'nYgYf'f'cn^VcnUmu'\_Ud^Ubif] j Y'Zfib^Ubif  
i 5^Yj ^ b^Yn]V]nU'iha 'g' b [ Yf]  
i GYfj ]g'bc\_hU'UfibU'\_c^UmYf] ]a  
i ? UV]b ], Yf]g]bXY'Y [ ncn'g]ghYa ] j Y'igi nU'iha i  
i \_ ]kUfUZU [ Yb ] ^Udr'Uf  
i ? ]h] \_Udr' nYf]bXY' YZUZdYbW'fYXYb'\_cbf'c'dUbcbi bi ]n^YnYV]a Y  
i ? UV]b]b^Xi ibU'a cbU^'i UV]g'hd'Vi h'ebi  
i Gc i ha U'Zubi'j Y' Uf^U'fYfbUhr f' Xc\_i ba UmU'\_Uf i'\_cfi ba i h' f  
i ? ]hYbYb'\_Udr]Y' nU\_ihXc'i a i j Y'U'\_ nY'Yf] ]a  
i UgY'j Y'\_UV]b' nYf]bXY'\_U'Xifa U'bc\_hU'Ufi'j Y' Ug]XY'Z'f'\_ZhW'd^Yf]z'5GA + ^\Uf],  
i GYg nU'iha '\_UV]b] [ fi d'Ufib'gYg hYg] &\$\$\$#( #97 nY' i nfi i b'c^UfU'\_Gni hYghUfUZbXUb^XYbYhYba Y'\_fYX]f'

En	mm.	970
Boy	mm.	2500
Yükseklik	mm.	1600