

# APD 12 E

Motor : Aksa  
Alternatör : Mecc Alte  
Kontrol Sistemi : P452



## ISO8528

6i 'YbYfUhf f [ fi Vi '-GC, ) & , 'm bYha Y' ] UfhUfibi' \_Uf i' UntUWU\_ 'gYj ] nYXY 'hUgUF Uba i' hf"

## SZUTEST

6i 'YbYfUhf f [ fi Vi '-GC - \$\$\$gYfhZ\_U' nY' \_Yf] bY [ " fY 'hUgUF Uba i' j Y' fY] a ] hf"



6i 'YbYfUhf f [ fi Vi '79'gYfhZ\_U' UfhUfibi' i m] i bXi f

## 2000/14/EC

GYGmUihh ' \_UV] b' [ [ fi d' Ufz & \$\$\$# / ( #97 '5j fi dU [ ' f' h' m bYha Y' ] bY [ " fY 'hYghYX] ] f"

u] ; ' WZ' !: Uniz) \$ < nZ; : ' \$Z

Voltaj	Standby Güç (ESP)		Prime Güç (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	12,00	9,60	11,00	8,80	16,00

Standby Güç (ESP): ; ' jYb] ] f' YVY\_Y' \_UnbU 'ibib'\_Yg] a Yg] Xi fi a i bXUZXY ] \_YbYY\_hf\_] m\_Y [ ' , fYa ] b\_Yha YXY\_i ' \_Ubrif' 9GDZ-GC, ) & , Y'i m a i Xi f' 5 ifi m\_Ya YnY ] n] b] Yf] a Ya ] hf"

Prime Güç (PRP): 8Y ] \_YbYY\_hf\_] m\_Yz [ ' , fYa ] b\_Yha YXYZm'\_ \_gibifgin, U'i a U gUUh] ] b' j ' \_Ubrif' DF DZ-GC, ) & , Y'i m a i Xi f' -GC' \$ ( \* mU [ ' fY % & gUUh, U'i a U dYf] ncXi bXU % gUUh % \$: ' U' ifi m\_Ya Y ] ] b' j ' \_Ubrif"

## GH5B85FHx N9@@?@9F

Gi 'gc i ha U' X] nY' a ctef  
F UXnUhf f j Y a Y\_Ub'\_ ZJb  
: Ub] j Y' giVU'\_ dUf, U' UfU' Xc\_j ba Um' b' YnYb'\_ cfi m' W'\_ UZg  
9' Y\_hf\_] a Uf ' a ctef i j Y' Uf' U' YfUhf f  
6U ' \_UhwU'\_ zfi f i b Ug] h'\_ \_UV' c' Ufi j Y' gy\ dUgi  
uY'\_ Ugy j Y' hfY ' ja " b' YnY' W' U'\_ cn' Uf  
\_UgYnY' YbY [ fY nU'\_ ihU' b'\_ i  
9gbY'\_ nU'\_ ihVU ' \_Ubh' \ cfi a ' Ufi  
HY'\_ nU'\_ izj Y < nU' ihh' ' gibizi' U' YfUhf f  
9bX' ghf] nY' \_UdUg] YXY' gi gh fi W j Y' YgbY'\_ , Y'\_ \_ca dYbgUhf f  
9' Y\_hfcb'\_ \_U'\_ ' Uf' V' \ Uhi  
? i ' \_Ubia j Y' a cbU' ^' \_Uj i ni

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

### MOTOR

! ' i nU'\_ fUXnUhf f ' 'gc i ha U  
! ' MU'\_ ihgi ' UmihVZ] hfY

### ALTERNATÖR

! ' -gihVZfi h' VYh' b' YnY]

### KONTROL PANOSU

! ' Uf' Ua dYfa YfYg]

### YARDIMCI DONATILAR

! ' Cka Uf] j YnU' a Ubi Y' nU'\_ ihXc' i a ' g] ghYa ]  
! ' MU' ' Vc' U' ha UzY' dca dUgi  
- Egzoz susturucusu, meskûn mahal tip  
! ' A i \ UZJnU'\_ UV] b] / gYg nU' ihh' i' h] d j YnU' U, i'\_ U' Ub' h] d  
- Römorklar  
! ' 5' YhU'\_ ja i' fVU'\_ ja ] ] b' t  
! ' 5bU' MU'\_ ihHUb'\_ i

### TRANSFER PANOSU

- Üç kutuplu kontaktör  
- Dört kutuplu kontaktör

## 8 N9@A CHCF 'x N9@@? @9F

Üretici		Akxa
Model		A2CRX08
G]j]bX]f]j Y' HUgUfia		2 Silindirli, V Tipi
Hava Emme		8c U'9a ] ]
Toplam Silindir Hacmi	L	0,794
Çap ve Strok	mm	80X79
G_i_ hfa U'CfÜbi		24:1
Norminal Devir	d/dk	3000
Governör Tipi		Elektronik
MU_?UdUg]Yg]	L	2,30
Su Kapasitesi	L	6,40
Emilen Hava Debisi	m³ /dk.	1,00
Radyatör Hava Debisi	m³ /dk.	48,00
Egzoz Gaz Debisi	m³ /dk.	2,07
9[ ncn; Un'GiWÜ_ï i	° C	600,00
Elektrik Sistemi		12 V d.c.
MU_ihH'_Yh]a ]	Yük	%100
	L/sa	4,00

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

Üretici		Mecc Alte
Frekans	Hz	50
Güç	kVA	12,50
HUgUfia		: if, U'iz&_j h d'i
Cos fi		0,80
: Un'GUnigi		3
Voltaj	V	400/230
MU'ih]a 'GibiZ		H
Rotor		HY_'MUH_'YA ]]
_Un'G]g]Ya ]		Trafo

## 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 12 E					15,00
Kabinli Grup	?i fi '5 ifi_	Boy	En	Yükseklik	MU_ih8Ydc ?UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AK 01	240.00	1160	730	850	15

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## 1 P452 - Kontrol Sistemi



- 1 @78 [ YbY`Xi fi a j Y`" , a Y V][ ]Yf][ " gHYfa Y Y\_fUbi
- 2 A Yb` bUj ][ Ugnrb`Vi tcb`Ufi
- 3 Otomatik konum
- 4 Manüel (el) konumu / start butonu
- 5 Reset/Stop butonu

## 2 Cihazlar

8G9ža cXY`() &\$`c`c`ca UH\_` YVY\_Y`UfinU`n`Ya Y j Y`YbYfUH f`\_cbfbc``a cX`" " 9`Y`\_fcb\_l`\_U`" Uf`V`U`ni` 5V`Xi fXi fa U`Vi tcbi` j`Y`\_cbfbc``XYj fY`Yfj` , ]b`g][ cftU`Uf`

## 3 Müdi`j`Y`6c`nU`

7`N`Un`Uf` , Y`\_l`\_gU`XUb`ja U`Y`X]a ]` d`Ubc`\_UV]b]bY`a cbU`n`tdi`rif`"DUbc`gUW`z`g`Z`h`\_ja nUgU`i`]Y`\_Ud`UbUfU`\_gUW` m`n`Ym`\_c`f`c`n`c`b`U`X]fYb` , ]`\_U`Y`[ Y`Hfj]f`"Dc`m`Y`g`Y`f`V`Y`\_l`\_t`c`n`V`c`n`U`j`Y`\_Z`f`i`b`U`a`U`]`\_`Ya` ]`Y`d`Ubc`\_UV]b]bY`gcb`XYfY`W` X`U`n`U`b`i`\_i`V`c`n`U`n`tdi`rif`?" ]`h`j`Y`a`Y`b`i`Y`\_Y`]`d`Ubc`\_UdU`\_i`]`Y`V`U`n`U`f`U`i`\_U`\_a`U`\_c`\_U`n`X`i`f`"

## 4 Montaj

? c`b`f`b`c`\_d`U`b`c`g`i`\_z`\_Y`b`Y`f`U`h` f`[ fi Vi`\_` Ug]g]`\_n`Y`f`b`X`Y`\_]`g`U`\_`U`a` ; Y`\_l`\_U`n`U`\_U`f`j`Y`n`U`[` , ; ]`\_i`\_i`\_Y`f`a` ]`b`U`\_a` c`X`" " n`Y`f`]`b`Y` a` cbU`n`tdi`rif`" DUbc`z`\_Y`b`Y`f`U`h` f`[ fi Vi` bi` b`n`U`b`\_U`f`U`z`b`U`z`[ " n`\_`n`U`g`i`g`Y`j` ]`n`Y`g`]`b`Y`\_n`Y`f`Y`\_Hfj]f`"

## 5 Jeneratör Kontrol Ünitesi

%\$`\_j`U`!`&\$`\_j`U`\_Y`b`Y`f`U`h` f`[ fi d`Ufia`\_i`n`X`U`\_8`G`9`() &\$`\_c`b`f`b`c`\_g`g`h`Y`a` ]`g`h`U`b`X`U`f`X`i`f`"9`Y`\_f`c`b`\_l`\_j`Y`Y`\_f`c`b`\_l`\_c`\_a`\_U`n`U`b`\_X`]`n`Y`\_ a`\_c`h`c`f`i`\_`Y`b`Y`f`U`h` f`[ fi d`U`f`i`b`i`b`\_c`h`c`a`\_U`H`\_c`\_U`f`U`\_` , U`i`\_h`f`i`a`\_U`g`i`\_j`Y`\_X`i`\_f`X`i`\_fi`\_a`\_U`g`i`\_` , ]`b`\_U`g`U`f`\_U`b`a`\_i`\_h`f`"5`n`f`i`V`U`\_a`\_c`X`" " Y`V`Y`\_Y`\_ j`\_c`\_U`\_b`i`\_j`Y`\_Z`Y`\_U`b`g`i`b`i`\_n`Y`f`j`Y`\_m`Y`X`Y`\_`Y`b`Y`f`U`h` f`[ fi Vi` ]`Y`\_c`b`U`V`U`\_i`[` , `f`U`b`g`Z`f`\_g`g`h`Y`a` ]`b`\_c`b`f`b`c`\_`Y`X`Y`f`"

Standart Özellikler

- !A`\_l`\_f`c`\_]`\_`Ya`\_V`]`Y`\_c`b`f`b`c`\_n`tdi`ri`a`\_i`\_X`i`f`"
- !@78 [ " gHYf[ Y ]Y V][ ]Yf\_c`Um`i`\_U`c`\_i`\_bi`\_f`"
- !A`\_c`X`" " b`d`U`b`Y`]`b`X`Y`b`j`\_Y`n`U`D7`\_j`\_Y`\_n`U`n`i`a`\_i`\_j`\_U`g`i`U`g`i`m`U`d`f`c`[`\_f`U`a`\_`U`a`\_U`"
- !M`\_a`\_i`\_U`\_`h`\_`\_i`\_`\_a`\_`Ya`\_`V`f`U`b`\_`\_U`j`\_`n`Y`\_j`\_Y`\_l`\_]`\_h`\_`\_i`\_`\_a`\_`Y`b`\_`\_b`U`j`\_`][`\_U`g`n`r`b`"
- !H`U`f`\_]`\_j`\_Y`\_g`U`U`h`\_]`Y`\_U`m`h`X`Y`Z`Y`f`]`b`X`Y`\_U`f`i`n`U`#`\_U`m`i`\_f`l`\_`\_E`[ " gHYfa`\_Y`"
- !H`U`f`\_]`\_j`\_Y`\_g`U`U`h`\_]`Y`\_a`\_c`h`c`f`Y`[`\_n`Y`f`g`]`n`\_X`i`\_fi`\_a`\_i`\_j`\_Y`\_V`U`\_]`\_a`\_d`f`c`[`\_f`U`a`\_i`"
- !?`c`b`f`b`c`\_`h`\_`\_U`f`i`\_`G`h`e`d`z`A`\_U`b`i`\_`#`\_g`h`U`f`z`\_C`h`c`a`\_U`H`\_z`A`\_Y`b`\_`\_b`U`j`\_`][`\_U`g`n`r`b`"

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## Ölçme Göstergeleri

A C H C F  
A c h c f X Y j ] f ]  
M U \ V U g i b W  
G i ' g i W \_ i ' i  
u U i ' a U g U U h  
5 \_ j c ' U i ^  
A c h c f V U \_ j a ' n U a U b i [ ' Y a ]  
> 9 B 9 F 5 H x F  
J c ' U ^ f @ @ B t  
5 \_ j a ' f @ @ @ t  
: f Y \_ U b g  
\_ J 5  
\_ K  
7 c g Z  
\_ J 5 f  
\_ K \ z \_ J 5 \ z \_ J 5 f  
9 6 9 ? 9  
J c ' U > ' f @ @ @ B t  
: f Y \_ U b g

## Koruma Devreleri

? 5 N  
U f ^ U ' Y b U h f U f i n U g i  
8 ^ - \_ # M \_ g Y \_ U \_ j c ' U i ^  
G h c d ' U f i n U g i  
8 ^ - \_ # M \_ i h g Y j ] n Y g ] f t d g t  
5 i f i ' U \_ j a  
  
x B ! 5 @ 5 F A @ 5 F  
8 ^ - \_ # M \_ V U g i b W  
M \_ g Y \_ a c h c f g i W \_ 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 ' U i ^  
9 7 I \_ J U n  
  
8 I F 8 I F A 5 ' 5 @ 5 F A @ 5 F =  
G h c d ' U f i n U g i  
5 W g h c d  
8 ^ - \_ # M \_ V U g i b W  
M \_ g Y \_ a c h c f g i W \_ 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 ' U i ^  
M U \ V U g i b , ' U [ ' i U m V U , i \_ X Y j f Y  
  
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

M \_ g Y \_ n U ' g i W \_ i ' i ! X i f X i f a U  
8 ^ - \_ # M \_ i h g Y j ] n Y g ] ! X i f X i f a U  
8 ^ - \_ # M \_ i h g Y j ] n Y g ] ! U U f a  
M \_ g Y \_ n U \_ i h g Y j ] n Y g ] ! U U f a

## Standartlar

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

## 9 Y \_ h f c b ] \_ 5 \_ ' ' U f ^ 7 ] \ U n i

5 \_ ' ' U f ^ V U n i g k ] h W ] b [ ! a c X Y j Y ' G A 8 ' Y \_ b c ' c ] g ] ] Y ' ' f Y f a ] X ] f j Y ' m \_ g Y \_ j Y f a Y ' g U \ j d h f ' 5 \_ ' ' z j ' ! ' = ' \_ U f U \_ h f ] g h \_  
Y \_ f ] g b Y [ " f Y ' U f ^ Y X ] ] f ' ' ) ' U a d Y f z % z ' J c ' h f % & j k j Y ' & + z ' J c ' h f & ( ' J k ' ; ] 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 i f ' D f c ' ] b Y % & \$ ) # & ( \$ ) ' U f ^ V U n i z ' ] b Y Y f ' U f ^ V U n i U f i b U [ " f Y X U \ U j Y f ] a ' ] 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 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 ] h f ] ' Y a U b n Y h \_ d U f U n ] h Y f ] V U g h i f a U " n Y ' ' ] "  
; U j U b ] \_ j n c Y ' [ ] f ] ' j Y , i \_ i ' U f i ( \_ J f u \_ U X U f U h U a U ' U f U X U n t u b i \_ i X i f "

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## AK 01 - Kabin



- 1 uY\_l'gUVXUb'müdi
- 2 Acil durdurma butonu
- 3 ? cblfc'dUbcgi '\_UV]b''nYf]bY'a cblU'iz'fUbgZf'g]ghYa ]XU\]
- 4 ? cfcncbU'XU'ntübi'\_t\_]']hj Y'a Yb'Y Y'Yf
- 5 MU 'Vc U'fa U'a c'cf''nYf]bXY
- 6 9[ ncn'g]ghYa ]' UgY ], ]bXYz[ ]n'
- 7 <Yf\_]']fUfZU'VU\_ia i'\_c'UmU h'fU'ba Uf]b ]d''[ Yb] '\_Udi'Uf
- 8 8Ydc! UgY
- 9 ? UXifa Uj Y'fU ia U'bc\_'fUgi
- 10 Radyatör su dolumu içim kapak

## y f' b' < U\_ ibXU

GYg'MU'ihä i'j Y' ? cfi mi W' ? UV]b'Yf'5\_gU'YbYfU'f' [ fi d'Ufi' ], ]b\_U\_i gh'\_a ''\YbX]g'Yf]'fUfZbXU'bz'ncf'\Uj Uj Y', Yj fY UfhU'ribU'i m'i b' [ Y' ] h'f]Yb'gYg'ntü'ihä 'iz'\_c'fi a U'\_UV]b'Yf]/[XYU'gYg'gY] ]nYg]j Y'\_c'fi a U'gU 'U'ntüW\_' Y\_]XY'fUgU'fU'bi'f'U'f' 5\_gU'\_UV]b'Yf]z'dUf, U'dUf, U'g' '\_YV]]f'a cX''Yf'müdiXU'z' [ fi VU'\_c'Um'gYf] ]g] Y'VU\_ia 'ntüUV]a Yj j Y', U'i h' i'mYfXY'dUf, U XY ] ]a ]b'Y'c'Ub\_U'gU 'U'f'5'ntü'nUa UbXU'YbYfU'f' [ fi Vi bi b' ], Yj fY'giW'\_i 'ibU' [ " fY'gc i'fa U'dYfZ'c'fa Ubgi'j Y' [ ' , , ]\_i XY Yf]bXY'\Yf'Ub[ ]gY ]nY'X' '''' 'a YnXUbU' [ Y]h'fa YnYW'\_müdiXU'c'a UgibU'X]\_UhYX]YfY'\_UV]b'Yf'X]nUmb'YX]a ] X]f' ? UV]b'Yf]b' ], Yj fY'giW'\_i i'j Y'gYg'gY] ]nYg]i m'i b' i' i' ], ]b'dfchU'hd'fYghYf]ntüdi'Xi'\_fU'bg'cbfU''fY]h'a ]ntüdi'a i' h'f''

## Standart Özellikler

8'' '\_dfcZ']j Y'\_Ud'Ua U'U'ubi'Unz'f]ca dU'\_f'fUgU'fia  
? UV]b'z'YbYfU'f' gYh'z'Y[ ncn'g]ghYa ]j Y'ntü\_ihXYdcgi ž' Ug]fY'\_dU'Yhc'U'fU'\_gY] '\_YX]YW\_' Y\_]XYz'V]fV]f]b]V'' h' b'YnYW'\_ j Y'\_c'Uma cblU'f' ], ]b' [ Y' ] h'f]a ] h'f''  
? ]a ntüU'f'Ya ]nYa Y' ] 'Ya ]bXYb' [ Y, ]f]Yb'z'\_UV]b' ], Y'\_gUW'dUf, U'U'f'iz'dc'nYg'fY'f'cn'VcnUmU'\_Ud'Ubif'j Y'Zfif'Ubif 5'Yj '' b'Yn]Y'ntü'ihä 'g' b' [ Yf] ]  
GYf] ]g'bc\_'fU'f'ibU'\_c'UmYf] ]a  
? UV]b' ], Yf]g]bXY Y[ ncn'g]ghYa ]j Y'igi'ntü'ihä i'\_ ]fUfZU' [ Yb] '\_Udi'Uf  
? ]]h] '\_Udi''nYf]bXY' YZUZdYbW'fYXYb'\_cblfc'dUbcgi bi ]n'YnYV]a Y  
? UV]b]b'Xi' 'ibU'a cblU'f'U'VY'gh'cd'Vi h'cbi  
Gc i'fa U'ZÜbi'j Y' U'f'U'f'Yf'U'f'f' 'Xc\_j ba U'ntü'\_Uf' i'\_c'fi ba i' h'f' f  
? Udi' ]Y'ntü\_ihXc'i a i' j Y'\_U''nY'Yf] ]a  
Ug]''nYf]bXY'\_U'Xifa U'bc\_'fU'f'i  
GYg'ntü'ihä '\_UV]b' ] [ fi d'Ufi' b'gYg'fYgh] &\$\$\$#% ( #7' nY' i n'f' i b'c'U'fU'\_Gni fYgh]fUfZbXU'b'XYbYhYba Y'\_fYX]f''

En	mm.	730
Boy	mm.	1160
Yükseklik	mm.	850
MU_ihHUb_'? UdUg]fYg]	L	15