



### ISO8528

6i 'YbYfUf f [ fi Vi '-GC, ) & 'm bYfa Y'L' UfhUfibi'\_Uf i'UntUW'\_gYj ]nYXY'kUgUF'Uba i' hf"

### SZUTEST

6i 'YbYfUf f [ fi Vi '-GC - \$\$\$gYfhZ\_U" nY'\_L'Yf]bY [ " fY'kUgUF'Uba i' j Y' fY]a ] hf"

### CE

6i 'YbYfUf f [ fi Vi '7'9'gYfhZ\_U' UfhUfibiU'i m] i bXi f

### 2000/14/EC

GYG'mUihä '\_UV]b(' [ fi d'Ufz&\$\$\$#/( #97 '5j fi dU[ ' f' h' m bYfa Y' ]bY [ " fY'kYghYX]f"

u\_i ; 'WZ%: Uniz) \$<nz; : '%z\$

Voltaj	Standby Güç (ESP)		Prime Güç (PRP)		
	kVA	kw	kVA	kw	Amp
230 Monofaze		16,50		15,00	65,00

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

Prime Güç (PRP): 8Y ]\_YbYY'f\_]m'\_Yz[ ' , fYa ]b'Yfa YXYZm'\_L'gibifgin', U'i a U' gUUh] ]b'\_i' 'Ubrif''DF DZ'-GC, ) & 'Yi m' a' i' Xi f''-GC' \$( \* mU[ ' fY' %&gUUh, U'i a U'dYf]ncXi bXU%gUUh%\$& 'U' ifi m'\_Ya Y ] ]b'\_i' 'Ubrif''

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

Gi'gc i' ha U'iX]nY'a ctef  
 FUXntUf f] Y'a Y'\_Ub'\_ZUb  
 8" bYb]j Y'gVW'\_dUF, UUFU'Xc'\_i' ba Um'i" b'YnYb'\_cfi m' W'\_UZ'g  
 9'Y'\_f\_]a Uf' 'a ctefi 'j Y' Uf'U'fYfbUf f'  
 5'\_f\_] f' i' b'Ug]h]z'\_UV'c'Uf]j Y'gY'dUg  
 A ctef V'c'\_gi m' i'gihVgi  
 uY'\_L' UgY'j Y'hfY' ja " b'Yn]VYHU'\_cn'Uf' UgYnY'YbY [ fY'ntU'ihU'b\_]  
 9gbY'\_ntU'ihVU' 'Ubh'cfhi a' 'Ufi  
 HY'\_ntU'iz] Y' < ntU'ihä 'gibiZi' U'fYfbUf f'  
 9bX' gfh]nY'\_'UdUg]fYXY'gi ghi fi W'j Y'YgbY'\_ , Y'\_L'\_ca dYbgUf f'  
 9'Y'\_fcb'\_U'\_ 'Uf'V'U'ni  
 ?i 'Uba U'j Y'a cblU'\_'U'j i' ni

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

#### MOTOR

! 'i' nU'\_fUXntUf f' 'gc i' ha U'  
 ! 'MU'\_ihgi 'UmihVZ]fY

#### ALTERNATÖR

! '-gihVZ'fi h' VYh' b'Yn]V'  
 ! 'u'\_i' 'U'fYf]

#### KONTROL PANOSU

! ' Uf'Ua dYfa YfYg]

#### YARDIMCI DONATILAR

! 'C'ca Uf\_]j YntU'a Ubi Y'ntU'ihXc'i a 'g]ghYa ]  
 ! 'MU' 'Vc' U'ha UzY' dca dUg]  
 - Egzoz susturucusu, meskûn mahal tip  
 ! 'A' i' \Uz]nU'\_UV]b]gYg'ntU'ihä 'i'h]d]j YntU'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  
 ! 'A ctefi ' 'U'fYf]

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

Üretici		Aksa
Model		A4CRX22
G]bX]f] Y' HUgUfia		( 'G]bX]f]žGifU'i'H]d
Hava Emme		8c U'9a ] ]
Maksimum Standby Güç		1500 d/dk
		20,00 kw [27,00HP]
Toplam Silindir Hacmi	L	2,150
Çap ve Strok	mm	85 X 95
Güç Hava U'Ç fUbi		18:1
Norminal Devir	d/dk	1500
Governör Tipi		Mekanik
MU' ? UdUg]Yg]	L	10,00
Su Kapasitesi	L	10,00
Emilen Hava Debisi	m <sup>3</sup> /dk.	2,30
Radyatör Hava Debisi	m <sup>3</sup> /dk.	110,00
Egzoz Gaz Debisi	m <sup>3</sup> /dk.	6,50
Elektrik Sistemi		12 V d.c.
MU_ihH' _Y]a ]	Yük	%100
	L/sa	4,50

## 5@H9F B 5Hx F 'x N9@@? @9F

Üretici		Aksa
Frekans	Hz	50
Güç	kw	17,00
HUgUfia		: if, Uginž( ' _i h d'i
Cos fi		1,00
: Un'GUnigi		1
Voltaj	V	230
MU'ihh' Gibiž		H
Rotor		HY_ 'MUH_ i'9gbY_ '8]g_ ]
_Un'G]g]Ya ]		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 17 M	425,00	1500,00	910,00	1100,00	70,00
Kabinli Grup	?i fi '5 ifi_	Boy	En	Yükseklik	MU_ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AK 15	545,00	1850	900	1150	70

# APD 17 M

Motor : Aksa  
 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`Y`g`]"
- 5 8i fi a` @98 fYf`]"
- 6 uU`i` a U`\_`Y`\_]gY, a Y`Vi`hcb`Ufi`"

## 2 Cihazlar

8G9za cXY`\*`\$&\$`c`hca`U`H`\_`Y`VY`\_`Y`UfinU`j`n`Ya`Y`j`Y`YbYfU`f`\_`cb`f`c`"a`cX`"`"  
 9`Y`\_`f`c`b`\_`U`" `U`f`V`V`U`n`i` ; ]f` " % , ! & \* ( j`c`h`z`u`i`\_`i` `&`+`z`" j` ) `5`f`&` ( j`k`j`Y`n`u`%`z`" j`c`h` ) `5`f`&`U`  
 5`V`Y`Xi`f`Xi`fa`U`Vi`hcbi`"j`Y`\_`cb`f`c`"XY`j`f`Y`f`j`] , ]b`g`[`c`f`U`U`f`"

## 3 Müdi`j`Y`6`cnU`

7`j`Un`U`f` , Y`\_`g`U`X`U`b`]a`U`Y`X`]a` ] `d`U`b`c`\_`U`V`]b`]b`Y`a`c`b`U`^`n`U`d`i`r`i`f`"D`U`b`c`\_`g`U`W`z`c`g`Z`U`h`\_`]a`n`U`g`U`i`]`Y`\_`U`d`\_`U`b`f`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`\_`U`a`U` ] `Y`a` ]`Y`\_`d`U`b`c`\_`U`V`]b`]b`Y`g`c`b`X`Y`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`U`b`c`\_`U`d`U`i`]`Y`V`U`n`U`f`U`i`U`a`U`\_`c`\_`U`n`X`i`f`"

## 4 Montaj

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

## 5 Jeneratör Kontrol Ünitesi

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

### Standart Özellikler

- A`\_`f`c`]`\_`Y`a`V`Y`]`Y`\_`c`b`f`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`\*(`!`%`&`[`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`\_`c`b`f`c`"`"
- x`b`d`U`b`Y`"n`Y`f`]b`X`Y`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`j`g`h`Y`a` ]\_`c`\_`U`m`i`
- x`b`d`U`b`Y`X`Y`b`d`f`c`[`f`U`a`\_`U`a`U`"
- I`n`U`\_`h`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`"
- ?`c`b`f`c`"h`\_`\_`U`f`i` .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`"

## 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
>9B9F 5Hx F
J c ` t U > f @ @ z @ B E
5 _ j a ` U f ` f @ @ & @ l @ E
: f Y _ U b g
969?9
J c ` t U > f @ @ z @ B E
: 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 h i U f i n U g i
5 V j 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 j g Y b g ` f j Y ` V U g i b , z j 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 e
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 E
```

## Standartlar

```
9 ` Y _ Y _ h f j _ g Y ` ; ` j Y b ` _ # 9 A 7 i m i b i _ ` 6 G ` 9 B ` * $ - ) $
9 ` Y _ h f j _ j ` V U ` 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 \_ h f c b \_ ` 5 \_ ` ` U f ` 7 j \ U n i

```
5 _ ` ` U f ` V U ` U n i g k j W X j b [ ! a c X Y j Y G A 8 ` t Y _ b c ` c j g j j 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 _ h y f j g h _
Y ` f j g j b Y [ ` ` f Y ` U f ` Y X j j f ` ` ) ` U a d Y f z % z ` j c ` h f W & j Y ` + z ` j c ` h f & ( ` j E ` ` ; j f j ` % , ! ` & * ( j c ` h 5 7 ` ` 7 j \ U n , i _ j 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 ` U n i z ` j b Y Y f ` U f ` V U ` 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 t g i n t U n a U g i , c _ X ` ` _ h f ` ` U f ` U f i n U g i , i _ j i a Y j W h i f ` F : = z j h f 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 ` ` j
; U j U b _ j n c Y ` [ j f j ` j Y , i _ j ` 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
```

