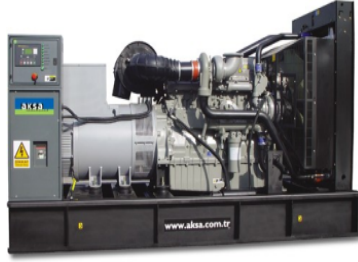


AP 1650

Motor : Perkins
Alternatör : Mecc Alte
Kontrol Sistemi : P 732



ISO8528

6i 'YbYfUf f [fi Vi 'GC ,) & , 'm bYfa Y'] UfhUfibi' _Uf i'UntUW' _gYj]nYXY 'UgUfUba i' hf"

SZUTEST

6i 'YbYfUf f [fi Vi 'GC - \$\$\$gYfhZ_U' nY' _Yf]bY [" fY 'UgUfUba i' j Y' fY]a] hf"



6i 'YbYfUf f [fi Vi '79'gYfhZ_U' UfhUfibiU' i m] i bXi f

2000/14/EC

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

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

Voltaj	Standby Güç (ESP)		Prime Güç (PRP)		
	kVA	kw	kVA	kw	Amp
400/230	1650,00	1320,00	1500,00	1200,00	2165,00

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 ' _Ubir' 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 YXY' m'_ _gibifgin' , U' i a U' gUu]] b'_j ' _Ubir' 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'_j ' _Ubir'

GH5B85F H'x N9@@? @9F

Gi' gc' i' ha U' X]nY' 'a ctef
F UXntUf f] Y'a Y'_Ub'_ZUb
8' bYb] Y' giVW'_dUF, U' UfU' Xc'_j ba Um' b' YnYb'_cfi m' W' _UZyg
9' Y'_f]] a Uf' 'a ctefi j' Y' Uf' U' fYfbUf f'
5' _'f]] f i b' Ug]h]z'_UV' c' Ufi j' Y' gY' dUgi
A ctef V' c'_gi m' i' gihVgi
uY] : UgY j' Y' hf] Y' ja " b' YnY' W]U'_cn' Uf
; fi d' hUb' Unfi m' _ih' hUb'_j r5, i' gYh [fi d' k
9gbY'_mU'_ihVU' 'Ubh' \c' fhi a' Ufi
HY'_mU'_iz] Y' < n' U' ha' 'gibiZi' U' fYfbUf f'
9bX' g' hf] nY' _' UdUg] fYXY' gi' ghi fi W' j' Y' YgbY'_ , Y] _' ca d' YbgUf f'
9' Y'_fcb] _' U' _' Uf' V' U' ni
? i' 'Uba Uj Y'a c' b' U' _' Uj i ni

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

MOTOR

! 'MU' _ih' gi' Unifi WZ] hfY
! 'MU' ' i' gihVgi

ALTERNATÖR

! 'gihVZ' fi h' VYh' b' YnY' W]
- Büyük güçte alternatör
! 'u' _'] ' U' fYf]

KONTROL PANOSU

- Otomatik senkronizasyon ve güç kontrol sistemi (çoklu paralel jeneratör)
! ' YVY_Y'] Y [Y ,] ' gyb_fcbi' g] ghYa]
! ' i' nU'_hUb'] Yf] ja j' Y' _' cblf' c'
! ' i' nU' U' U' Ufa' d' UbY]
! ' 5' Ufa ;] _'] ' Y' Yf]
! ' i' nU'_hUb'] Yf] ja ja cXYa] Y
! ' HcdFU'_U, U' iziY'_ YbYfUf f'
! ' Uf' Ua d' Yfa YfYf] g]

YARDIMCI DONATILAR

! ' C' tea UH'_j YnU'a Ubi Y' n' mU'_ihXci a' g] ghYa]
! ' MU' ' Vc' U' ha UZ' Y' ' dca dUgi
! ' MU' ' Vc' U' ha UZ' Y' Y'_f]] dca dU
! ' 8' _' _' j Y' m' _gY'_mU'_ihgYj] nYg] ' U' Ufa i
- Egzoz susturucusu, meskün mahal tip
! ' A i \ UZ] nU'_UV] b] / gyg' n' U' ha' i' h' d' j YnU' U, i' _' U' b' h' d'
! ' < Uj U'_UbU' i' U' XUd' f' f' fU' XntUf f' " b' _' k
! ' A ctef i' d' Ub' f' f' U' U [] f] j' Y , i' _'] ' XYj fYg] k
! ' GYg' n' U' ha' i' _' UbU' f' U' U [] f] j' Y , i' _'] ' XYj fYg] k
! ' 5' YhU'_ja i' f' VU'_ja]] b' k
! ' % \$\$\$ \$\$\$, U' i a U' gUu]]] b' VU'_ja ' gYf]
! ' 5b] hZ] n] Y'a ctef mU' _' Ua U' nU' i' f' ' \$S7 ; Yj fY' g' W'_i' i']] b' k
! ' 5bU' M'_ihHUb'_i

TRANSFER PANOSU

- Üç veya dört kutuplu transfer sistemi
! ' y , j YnU' X' f' n'] h' d' i' a ctef i' ;] _'] ' U' fYf]

AP 1650

Motor : Perkins
Alternatör : Mecc Alte
Kontrol Sistemi : P 732

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

Üretici		Perkins		
Model		4012-46TAG2A		
G]j]bX]f]j Y' HUgUfia		12 Silindirli, V - Tip		
Hava Emme		Hi fVc' UF'Y'j Y'5fU'Gc i h W'i		
Maksimum Standby Güç		1500 d/dk		
		1459,00 kw [1957,00HP]		
Toplam Silindir Hacmi	L	45,842		
Çap ve Strok	mm	160x190		
G]i' hifa U'C fUbi		13:1		
Norminal Devir	d/dk	1500		
Governör Tipi		Elektronik		
MU' ? UdUg]Yg]	L	177,00		
Su Kapasitesi	L	195,70		
Emilen Hava Debisi	m ³ /dk.	128,00		
Radyatör Hava Debisi	m ³ /dk.	1842,00		
Egzoz Gaz Debisi	m ³ /dk.	320,00		
9[ncn; Un'GiWU'ı' i	° C	455,00		
Elektrik Sistemi		24 V d.c.		
MU_ihH' _Yfja]	Yük	%100	%75	%50
	L/sa	310,00	234,00	157,00

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

Üretici		Mecc Alte		
Modeli		ECO46 1S/4		
Frekans	Hz	50		
Güç	kVA	1500,00		
HUgUfia		: if, Uginz&'_i h d'i		
Cos fi		0,80		
: Un'GUnigi		3		
Voltaj	V	400/230		
5_ia	A	2165,00		
MU'ihia 'GibiZ		H		
_Un'G]ghYa]		Elektronik (AVR)		

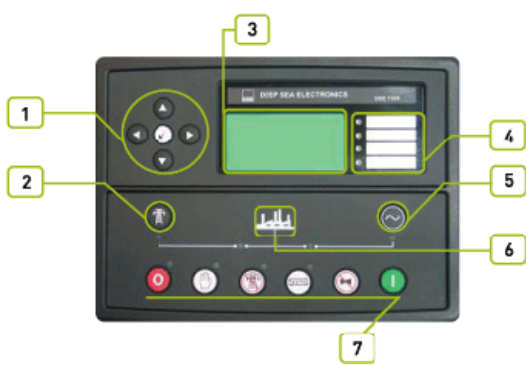
6CM H]j Y'5 ₺ @?

5, i; fi d	? i fi '5 ifi_	Boy	En	Yükseklik	MU_ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AP 1650	10200,00	4950,00	2100,00	2300,00	2000,00
Kabinli Grup	? i fi '5 ifi_	Boy	En	Yükseklik	MU_ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AK 98	14300	9000	2270	2550/3210	1900

AP 1650

Motor : Perkins
Alternatör : Mecc Alte
Kontrol Sistemi : P 732

1 P 732 - Kontrol Sistemi



- 1 A Yb~'bUj][Ugncb'Vi' hcb'Ufi
- 2 YVY_Y'j Y'fUbgZf'Vi' hcbi
- 3 @78'jY'j 'Yha'Y'Xi' fi a 'Ufi'j'Y''', a Y'[" gYf[Y'Yf]
- 4 5finU'U'Ufa '@98fYf]
- 5 Jeneratör ve transfer butonu
- 6 Durum Led'leri
- 7 uU'i a U' 'Y_]gY, a Y Vi' hcb'Ufi

2 Cihazlar

8G9'ž a cXY''+' &\$'C' hca UH_ ' YVY_Y'5finU'jn'Ya Y'j Y'YbYfUH' f'_cbhfc''a cX''''
9'Y'_fcb'_U_'' Uf'V\X'Uni
5V\Y'Xi' fXi' fa U'Vi' hcbi 'j'Y'_cbhfc''XY'j'fY'Yf] ,]b'g] [cftU'Uf

3 Müdi'j'Y'6cntU

7]\Un'Uf' , Y]_gUWXUb'ja U'YX]a] 'dUbc'_UV]b]bY'a cbHU'^ntüdi'if''Dübc'gUWZc'gZU'h_]a ntUgU'i']Y'_Ud'UbUfU'_gUW
m' nYm'_cfcncbU'X]fYb, ']\U'Y' [Y'h]f]f''Dc'mYgYfV]Y]_hcn'VcnU'j'Y'Zf'ib'Ua U'] 'Ya]]Y'dUbc'_UV]b]bY'gcb'XYfYVW
XUnUbi'_i'VcnU'^ntüdi'if''?]h]j'Y'a YbY' Y'j'dUbc'_UdU' i']Y'V\X'Un'UfU'i' 'U' a U'_c'UmXif''

4 Montaj

? cbhfc''dUbc'g'ž'YbYfUH' f [fi Vi' ' Ug]g]''nYf]bXY_]j'gU' 'Ua' ; Y]_UnU'_Uf'j'YntU' [' , ;]_i' 'Y'Yfa']bU'a cX''''''nYf]bY
a cbHU'^ntüdi'if''
Dübc'ž'YbYfUH' f [fi Vi' bi' b'ntü'b'fUfUZbUZ [" n\]nUgi'gYj']nYg]bY'nYfY' h]f]f''

5 Jeneratör Kontrol Ünitesi

8G9'+ ' &\$

&&\$'_j'5'j'Y''nYf]Y'YbYfUH' f [fi d'Ufia' nXU'8G9+' &\$'_cbhfc''g]gY'a]ghUbXUfXif''9'Y'_fcb'_l'j'Y'Y'_fcb'_l'_c'a UnU'b
[Un'j'Y'X]nY'a c'hc'f' 'YbYfUH' f [fi d'Ufibib'ic' hca UH_ 'c'UfU_ , U'i' h'fi'a Ugi'j'Y'Xi' fXi' fi 'a Ugi' ,]b'fUgUf'Uba' i' hif''
5nfiW' 'a cX'''' YVY_Y'j' c'fU'fbi'j'Y'Zf'Y'Ubgibi'jn'Yf'j'Y'nYXY'_YbYfUH' f [fi Vi']Y'cbU'VU' i' [' , 'fUbgZf'g]gY'a]b
_cbhfc''YXYf''

Standart Özellikler

A]_fc'] 'Ya V\]Y'_cbhfc''ntüdi'a' i' Xif
% &I '* ('d]_gY'ž'@78' [" gYf[Y']Y'V] []Yf'_c'Um'i'_U'c'_i' bi' f
A cX'''' b'dUbY']bXYb'j'YntU'D7' j'Y'ntüdi'ia' i'j' Ugi'fUgimU'dfc[fUa' 'Ua' U
M a i' U_ 'h' 'i' 'a Ya VfUb'_Uj' mY'j'Y'VY' 'h' 'i' 'a Yb~'bUj] [Ugncb
9h.YfbYhj'Y'F'G&' &ž'F'G(,) j' Ugi'fUgimU'i' nU'_hUb']Y'h] 'ja' j'Y'GA'G']Y'fUdcf'U'a' U
HUf] \ j'Y'gUUh]Y'_UmihXYZfYf]bXY'UfinU'c'Um'i'f] \$E[" gY'fa' Y
uc'_i' 'fUf] \ j'Y'gUUh]Y'a' c'hc'f'Y [nYfg]n'Xi' fi a i' j'Y'VU_ 'ia' 'dfc[fUa' i'
? cbhfc''h' 'Ufi' 'G'hdž'A' Ubi' Y'ž'c' hca UH_ 'ž'HYghž'GHUfž'GYgg]n'#@Ua' VU'fY'ghž'
>YbYfUH' fY'fUbgZf'ž' YVY_Y'mY'fUbgZf'ž'A' Yb~'bUj] [Ugncb
A' c'hc'f'V'c'_gi' m'i'igihW'_cbhfc''

AP 1650

Motor : Perkins
Alternatör : Mecc Alte
Kontrol Sistemi : P 732

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 j
5 _ j _ c _ U _ i
A c h c f V U _ j a _ i n U a U b i [Y _ a]
> 9 B 9 F 5 H x F
J c _ U _ f @ _ z _ @ B _ t
5 _ j a _ f @ _ z _ @ _ t
: f Y _ U b g
H c d f U _ _ U , U _ i
_ K
7 c g]
_ J 5 f
_ K \ z _ J 5 \ z _ J 5 f
: U n _ g i r U g i
9 6 9 ? 9
J c _ U _ f @ _ z _ @ B _ t
: f Y _ U b g

Koruma Devreleri

? 5 N
U f ^ U f i n U g i
8 ^ _ _ U _ j _ c _ U _ i
G h c d ^ U f i n U g i
8 ^ _ _ n U _ i h g Y j] n Y g] f t c d g t
_ K _ U _ i f i m _
H Y f g Z J n _ g i r U g i
< i n _ g] b m U] _ U n i d
x B ! 5 @ 5 F A @ 5 F
8 ^ _ _ n U _ V U g i b W
M _ g Y _ a c h c f g i W _ i _ i
8 ^ _ _ 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 _] U n
8 I F 8 I F A 5 ' 5 @ 5 F A @ 5 F =
G h u f h 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 _ a c h c f g i W _ i _ i
8 ^ _ _ g i _ g Y j] n Y g j
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 n i W U , i _ X Y j f Y
: U n _ m _ b
9 @ 9 ? H F ? G 9 @ 5 u A 5
H c d f U _ _ U , U _ i
_ K _ U _ i f i m _
> Y b Y f U h f U _ i f i U _ j a
H Y f g Z J n _ g i r U g i

Opsiyon Özellikleri

M _ g Y _ n U _ g i W _ i _ i ! X i f X i f a U
8 ^ _ _ n U _ i h g Y j] n Y g] ! X i f X i f a U
8 ^ _ _ n U _ 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
; 9 B _ @ 9 A 9 ' A C 8 y @ 9 F
_ U j Y @ 9 8 ' a c X _ _ f &) (, _ t
; Y b] ' a _ f _ Y ' a c X _ _ f & %) + t
; Y b] ' Y a _ [] f] ' a c X _ _ f & % \$ t

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

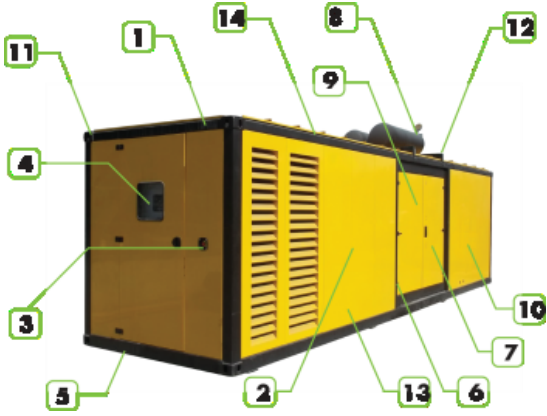
9 Y _ h f c b _ 5 _ _ U f ^ 7] U n i

5 _ _ U f ^ V U n i _ g k] h W] b [! a c X Y j Y ' G A 8 H Y _ b c ' c] g]] Y _ _ f Y] a] X] f j Y _ m _ g Y _ j Y f] a Y _ g U \ d h f
5 _ _ Z J ! = _ U f U _ h Y f] g h _ Y _ f] g] b Y [' f Y _ U f ^ Y X]] f
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
& (\$) _ U f ^ V U n i _ z] b Y Y f _ U f ^ V U n _ 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 m a U g i ; c _
X _ _ h f
H Y f g _ j h d V U _ U b h g i b U _ U f _ i _ c f i b a i _ h f
_ U f ^ U f i n U g i ; _ i _ i _ a Y j W h i f
;] f] j c _ U _ i : % , ! & * (J "
u i _ i _ U _ j a i . & + z J j Y n U % z J) 5 "

AP 1650

Motor : Perkins
Alternatör : Mecc Alte
Kontrol Sistemi : P 732

1 AK 98 - Kabin



- 1 uY_ d'fcZ'j Y'gU, tU'ja U' tU' imW_uf_Ug'müdi
- 2 uY_'gU, tU'ja U'dUbY'Yf']Y'_UV]b'ci' i a i
- 3 Acil durdurma butonu
- 4 ? c'bf'c'dUbcgi 'uf_U'fUfUzU' UgYn'ya cbtU'Y
- 5 ? UV'c', i' t'U'fU'ub
- 6 ? c'f'cn'ebU'XUn'Üb'i' t']'nj Y'a Yb'Y' Y'Yf'
- 7 MU' Vc' U'fa U'a c'te'f' n'Yf]bXY' j UbU']Y
- 8 Egzoz sistemi kabin üstünde
- 9 < Y'f']' fUfUzU' VU'ja i' c' UmU' h'f'U'ub']' h'Yb'Y'V']' f' [Y'b]'_U'di'uf
- 10 MU'ihXYd'cgj '_UV]b]b'' b'fUfUzU' b'XUz'Un'fi'V']' h'Yb'Y'V']' f'_U'di'Y'i' U' t'if
- 11 ? U'Xifa U'j Y' tU' ia U'bc'fUg'i'_UV]b'' n'Yf]bXY'z'_cb'Y'nb'if'a UdUgi' Y_']bXY
- 12 Radyatör su dolumu için kapak
- 13 GYg'mü'tiha' 'a Un'Ya Y'Yf]
- 14 HUj UbU', i' t'],]b'VUga U'_a Y'fX]j Y'b''

2 y f' b' < U_übXU

GYg'mü'tiha' t'ij Y' ? c'f'i ni W' ? UV]b'Y'f'5_gU'Y'bYfU'f' f' [fi d'U'fi'],]b'U'j gh'_a' ' \YbX]g'Y'f]fUfUzU' b'XUz'nc'f' \Uj U'j Y'], Y'j f'Y U'f'U'f'ib'U'i' m' i b' [Y'] h'f'Y' b' g'Y'g'mü'tiha' ' z'_c'fi a U'_UV]b'Y'f']' XYU' g'Y'g'Y'j]n'Y'g]j Y'_c'fi a U'gU' 'Un'U'WU' '_ Y_'XY' H'g'U'f'U'f'ib'U'f'5_gU' '_UV]b'Y'f'z'dU'f, U'dU'f, U'g'' '_ YV]]f'z'a c'X' Y'f'mü'di'XUz' [fi VU'_c' Um'gY'f']g'j Y'VU'ja' 'mü'dU'V]a' Y'j Y'], U'i' h' i' n'Y'f'XY' d'U'f, U'XY']]a']b'Y'c'U'ub'_gU' 'U'f'5'n'b'i' n'U'a UbXU'Y'bYfU'f' f' [fi Vi bi b'], Y'j f'Y'g'i'VW'_i' 'ibU' [' f'Y'gc' i' fa U'd'Y'f'z'fa Ub'g]j' Y' [' ', i' t' ' XY' Y'f]bXY' \Y'U'ub']]g'j]n'Y'X' ' ' ' ' ' ' ' ' ' ' a Y'n'X'U'ub' [Y'h'fa Y'n'Y'W'_mü'di'XU'c'a Ug'ib'U'X']_Uh'Y'X']Y'f'Y'_UV]b'Y'f'X']n'U'nb' Y'X'a]]X'f' ? UV]b'Y'f' b', Y'j f'Y'g'i'VW'_i' t'ij Y'g'Y'g'Y'j]n'Y'g]i' m' i b' i' i'],]b' d'f'ch'U'd' f'Y'gh'Y'f' mü'di'Xi'_U'ub'g'cb'fU'' f'Y'f'ja]' mü'di'a' i' h'f'

3 Standart Özellikler

8' ' '_d'fcZ'] j Y'_Ud'U'a U'U'U'bi'Un'z'f]ca dU' f' h'Ug'U'fia
? UV]b'z' Y'b'Y'f'U'f' f' g'Y'h'z'Y' [n'cn'g]g'h'Ya] j Y'mü'ihXYd'cgj 'Z' Ug]h'Y'_dU'Y'h'c'U'fU'_g'Y']_YX]Y'W'_ ' Y_'XY'z'V]f'v]f]b]V' h' b'Y'n'Y'W'_ j Y'_c'U'm'a c'b'U'U'],]b' [Y'] h'f]'a] h'f'
?]a' n'U'gU' 'h'Ya] n'Ya' Y'] 'Ya']b'X'Y'b' [Y,]f'Y'z'_UV]b'], Y']_g'U'W'dU'f, U'U'f'iz'dc' n'Y'g'h'Y'f' h'cn'V'cn'U'mU'_U'd'Ub'if' j Y'z'f'ib'U'bi'f'
5' Y'j ' ' b'Y'n'Y'W'_mü'tiha' ' g' b' [Y'f']
GY'f']g'bc'fU'f'ib'U'_c'Um'Y'f']a
? UV]b'], Y'f]g]b'XY' Y' [n'cn'g]g'h'Ya] j Y'ig'i'mü'tiha' i'_]fUfUzU' [Y'b] '_U'di'uf
?]h']'_U'di' n'Y'f]b'XY' 'YZUZ'dY'b'W'fY'XY'b'_cb'f'c'dUbcgi' bi] n'Y'n'Y'V']a' Y'
? UV]b']b'Xi' 'ib'U'a c'b'U'Y'U'W' 'g'h'ed' Vi' h'cbi
Gc' i' fa U'Z'U'bi'j Y'] U'f'U'Y'f'U'f' h'f' 'X'c'j' ba' Un'U'_U'f' i' '_c'fi' ba' i' h'f'
?]h'Y'b'Y'b'_U'di'] Y'mü'ihX'c' i' a' i' j Y'_U'_ ' n'Y'Y'f']a
U'g]j Y'_UV]b'] n'Y'f]b'XY'_U'X'ifa U'bc'fU'U'f'i
GY'g'mü'tiha' '_UV]b'] [fi d'U'f'ib'g'Y'g'h'] & \$\$\$ #/ (#97 n'Y' i' m' i b'c'U'fU'_ 'Gni' h'Y'gh'fU'f'U'z'b'XU'b'X'Y'b'Y'h'Y'ba' Y' h'X']f'

En	mm.	2270
Boy	mm.	9000
Yükseklik	mm.	2550/3210
MU'ihU'ub'_? UdUg]h'Y'g]	L	1900