

# ALP 22

Motor : Lister Petter  
Alternatör : Stamford  
Kontrol Sistemi : P 72



## ISO8528

6i 'YbYfUf f [ fi Vi 'GC, ) & , 'm bYfa Y' ] UfhUfibi' \_Uf i'UntUVW\_ 'gYj ]nYXY' hUgUFUba i' hF"

## SZUTEST

6i 'YbYfUf f [ fi Vi 'GC - \$\$\$gYfhZ\_U" nY' ]\_Yf]bY [ " fY' hUgUFUba i' j Y' fYh'a ] hF"



6i 'YbYfUf f [ fi Vi '79'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' hYghYX ] ]f"

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

Voltaj	Standby Güç (ESP)		Prime Güç (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	22,00	17,60	19,00	15,20	27,00

Standby Güç (ESP): ; 'j Yb] ]f' YVY\_Y' \_UnbU' ibib'\_Yg] a Yg] Xi fi a i bXUzXY ] \_Yb Y Y\_ hf] ] m\_Y [ ' , ' hYa ] b Yfa YXY' ] ' Ubi' i' 9GDZ- GC, ) & , ' Y i ni a i' Xi f' 5' ifi m\_Ya YnY' ] n] b' j Yf] a Ya ] hF"

Prime Güç (PRP): 8Y ] \_Yb Y Y\_ hf] ] m\_Yz [ ' , ' hYa ] b Yfa YXYz m' ] \_gibifgin; U' i a U gUUh] ] b' ] ' Ubi' i' DF DZ- GC, ) & , ' Y i ni a i' Xi f' - GC' \$ ( \* m [ ' fY' % & gUUh, U' i a U dYf] mXi bXU' % gUUh\$ i' U' ifi m\_Ya Y ] ] b' ] ' Ubi' i' "

## GH5B85F Hx N9@@? @9F

5 if\ ] na Yh] d] zgi 'gc i ta U' X] nY' a ctef (\* # \$ s7 fUXnUf f j Y'a Y\_ Ub] \_Z] b : Ub' j Y' giVU\_ dUf, U' UfU' Xc\_ j ba Uni" b YnYb' \_cfi ni W\_ \_UZy g Y\_ hf] ] a Uf ' a ctefi j Y' Uf' U' hYfbUf f 6U ' UfhWU\_ ' zfi f i b Ugl] h' k\_ UVc' Ufi j Y' gY\ dUgi A ctef W\_ Yhgi ni ' igihVgi uY' ] \_ UgY ] Yf] g] bXY nU\_ ihtU b' j Y' h] hY ] a " b YnY' W' hU\_ cn' Uf 9gbY\_ nU\_ ihVU ' Ubh' \ cfi a ' Ufi hY\_ nU\_ hU\_ iz] Y < nU' ihä ' gibiZi' U' hYfbUf f 9bX' g] h] nY' \_ UdUg] hYXY' gi ghi fi W' j Y' YgbY\_ ; Y' ] \_ca dYbgUf f 9Y\_ fcb] \_U\_ ' Uf' V\ Uni ? i ' Uba Uj Y'a cbiU' ^ ] Uj i ni

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

### MOTOR

! ' i nU\_ fUXnUf f ' gc i ta U  
! ' 8' ' \_gi ' gYj ] nYg] U' Ufa i  
! ' MU' ' igihVgi

### ALTERNATÖR

! ' -gihVzfi h VYh' b YnY  
- Büyük güçte alternatör  
! ' u] ] ' UYfj

### KONTROL PANOSU

! ' HcdfU\_ \_U, U iziY\_ ' YbYfUf f

### YARDIMCI DONATILAR

! ' Ctea U] ] j YntUa Ubi Y' nU\_ ihXci a ' g] ghYa ]  
! ' MU' \_Vc' U' hU' UzY' dca dUgi  
! ' 8' ' \_j Y m\_ gY\_ nU\_ ihgYj ] nYg] U' Ufa i  
- Egzoz susturucusu, meskûn mahal tip  
! ' A i \UZ] nU\_ \_UV] b] / gYg' nU' ihä ' i' h] d] j YntUa, i\_ U' Ub' h] d  
! ' 5' YhU\_ ia i fVU\_ ia ] ] b' k  
! ' 5bU' MU\_ ihHUb\_ j

### TRANSFER SWITCH

- Üç kutuplu kontaktör  
- Dört kutuplu kontaktör

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

Üretici		Lister Petter		
Model		LPW 3		
G]bX]fj Y' HUGUfia		' G]bX]fj Ž GifU' H]d		
Hava Emme		8c U'9a ] ]		
Toplam Silindir Hacmi	L	1,39		
Çap ve Stroke	mm	86 X 80		
G_i hfa U' CfÜbi		18.5:1		
Norminal Devir	d/dk	1800		
Governör Tipi		Mekanik		
MU' ? UdUg]Yg]	L	4,00		
Su Kapasitesi	L	6,50		
Emilen Hava Debisi	m³ /dk.	29,62		
Egzoz Gaz Debisi	m³ /dk.	82,80		
9[ ncn; Un' GIWÜ_ i i	° C	540		
Elektrik Sistemi		12 V d.c.		
MU_ ihH' _Yfja ]	Yük	%100	%75	%50
	L/sa	5,90	4,60	3,40

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

Üretici		Stamford		
Modeli		PI 42G		
Frekans	Hz	50		
Güç	kVA	20		
HUGUfia		: if, Uginž( ' _i h d'i		
Cos fi		0,80		
: Un' GUnigi		3		
Voltaj	V	400/230		
5_ia	A	28		
MU' ihfa ' GibiZ		H		
Stator		& #' UXia		
Rotor		HY_ ' MUÜ_ i' 9gbY_ ' 8]g_ ]		
_Un' G]ghYa ]		Elektronik ( AVR )		

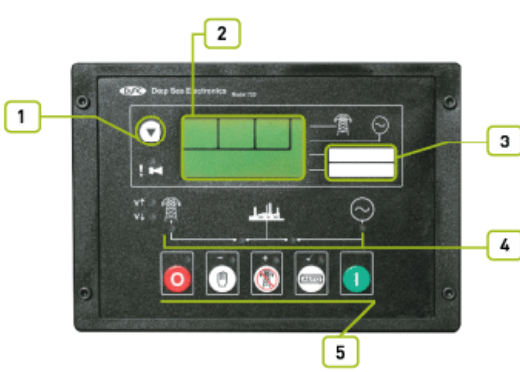
### 6CM H j Y' 5 ₺ @?

5, _i; fi d	? i fi ' 5 ifi_	Boy	En	Yükseklik	MU_ ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
ALP 22	465	1450	820	1100	90
Kabinli Grup	? i fi ' 5 ifi_	Boy	En	Yükseklik	MU_ ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
ASM 2	640	1920	870	1280	90

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## 1 P 72 - Kontrol Sistemi



- 1 9\_fUb'gUnzU'XY ] hf'a Y'Vi hcbi
- 2 LCD ekran
- 3 'Uj Y'U'Ufa '#6]X]fa '[' ghYf[ Yg]
- 4 Durum Led'leri
- 4 uU'i a U' Y\_]gY, a Y'Vi hcb'Ufi

## 2 Cihazlar

8G9'za cX''+&\$'c'c'a UH\_' YVY\_Y'UfinU]'n'Ya Y'j Y'YbYfU'h f'\_cblfc''a cX''''  
9'Y'\_f'cbl\_'U\_''' Uf'V\U'ni''') 5'z'&&\$&(\$'j'c'h  
5V\Xi'f'xi'fa U'Vi hcbi 'j'Y'\_cblfc''XY'f'Y'f'j' ]'b'g] c'f'U'Uf

## 3 Müdi'j Y'6cniJ

7]N'Un'Uf', Y]'\_gU'W'U'j'a U'Y'X]a ] 'dUbc'\_UV]b]bY'a cblU'^ntüdi'if''DUBc'gU'W'z'gZ]h\_]a ntUgU'i']Y'\_Ud'Ub'fU'\_gU'W'h nY'mj  
\_c'f'c'n'c'bU'X]f'Y'b, ']' \U'Y' [Y'h]f]'Dc'nY'g'Y'f'V]Y ]\_h'c'n'V'c'mU'j'Y'Z'f'ib'U'a U' ]'Ya ]]'Y'dUbc'\_UV]b]bY'g'c'b'X'Y'f'V'W'X'U'ntübi\_'i'  
V'c'm'ntüdi'if''?]'h]j'Y'a Y'bY' Y]'dUbc'\_UdU\_'i']Y'V\U'Un'U'f'U'i'U' a U'\_c'Un'X'if''

## 4 Montaj

? cblfc''dUbc'g'z'Y'bYfU'h f'[ fi Vi ' Ug]g]' nY'f]bXY\_]gU' 'Ua' ; Y]'\_U'ntü'U'f'' nY'f]bY'a cblU'^ntüdi'if''  
DUBc'z'Y'bYfU'h f'[ fi Vi bi b'ntü'b'U'f'U'Z'bU'z'[" n'\nU'g'i'gY] j'nY'g]bY'nY'f'Y' h'f]j]f''

## 5 Jeneratör Kontrol Ünitesi

8G9'+&\$  
&\$\$\_J'5'XU\]'j'Y'\_', '\_[', XY\_]Y'bYfU'h f'[ fi d'U'fia inXU'8G9'+&\$'\_cblfc''g]g]Y'a ]g]U'bXU'f'X'if''; Un'j'Y'X]n'Y'a c'c'f'i  
Y'bYfU'h f'[ fi d'U'f'ib'ib'c'c'a UH\_'c'U'f'U\_', U'i h'f'i'a U'g'i'j'Y'X'i'f'xi'fi'fa U'g'ib'i' [Yf, Y\_Y' h'f]f''A cX''z'Y'bYfU'h f'\_b'Z'Y'\_U'bg'z'  
j'c'U'f'z'U\_]a i'za c'c'f'ntU' 'V'U'g'ib'W'z'g'c' i'fa U'g'i'm'i'g'W'\_i'iz', U'i a U'g'U'U'h]z]Y'U\_'j'c'U'f'ib'i'n'Y'm'Y'W\_]Y'@7'8'Y'\_f'ubXU  
[" ghY'f'Y'W\_'Y\_]X'Y'U'g'U'f'U'ba'i'h'f''  
5n'fi'W'a cX'' YVY\_Y'j'c'U'f'ib'i'j'Y'Z'Y'\_U'bg'ib'i'n'Y'f'j'Y'n'X'Y'\_Y'bYfU'h f'[ fi Vi ]Y'c'b'U'V'U' i'[, 'h'U'bg'Z'f'g]g]Y'a ]b]  
\_cblfc''Y'X'Y'f'z'>Y'bYfU'h f'X'Y'U'fin'U'a Y'n'X'U'b'U'[Y'X] ]b'X'Y'c'c'a UH\_'c'U'f'U'\_Y'bYfU'h f'X'i'f'xi'fi'f'j'Y']]'U'fin'U'a cX''''b''b  
d'U'b'Y'j'b'X'Y'@7'8'Y'\_f'ubXU'[ " ghY'f]f''

### Standart Özellikler

A ]\_f'c!] 'Ya W]Y'\_cblfc''  
@7'8'Y'\_f'ubXU'b'z'V]']Y'f]\_c'U'm'c'\_i' a U  
@7'8'Y'\_f'ub'' nY'f]b'X'Y'i' i'\_i'g]n'U'\_U'f'U'\_h'f'f'g]a [Y'Y'f  
YVY\_Y'j'Y'Y'bYfU'h f'[ , Y'f]U'f'U'g'ib'XU'f'U'Z'f'\_cblfc''  
>Y'bYfU'h f'\_a U'U'U'j'b'X'Y'j'Y'n'U'D7'\_j'\_U'b'U'f'U'\_f'a U\_g'%'\$'a Y'h'f'Y'k'i' nU'\_h'U'b'd'f'c' [f'U'a i'X'Y ] hf'a Y'c'U'b'U' i'  
6i h'c'b'U'f'ib'nY'f'Y' ]a ]j'Y' ] 'Y'fa Y'g]g]Y'a ]\_c'U'm  
x'b'd'U'b'Y'X'Y'b'd'f'c' [f'U'a 'U'a U  
I' nU'\_h'U'b', U'i h'f'a U  
u'c'\_i' 'a c'c'f'j'Y'f]Y'f]b]U'ntü'U'b'X'U'[ " f'Y'V]a Y  
? cblfc''h' 'U'fi. G'h'c'd'# Y'g'Y'z'A U'bi Y'z'c'c'a UH\_'z'HY'g'h'Z'G]H'f'z'Vi h'c'b'U'f'i''x' , a Y[" ghY'f' [Y'Y'f]b]Y'\_f'ubU' [Y'h'fa Y\_] ]b  
a cX''''@7'8'Y'\_f'ub'ib'n'U'ib'X'U'j'Y'f]X'' b'X''fa Y'h' i'&\$\$\_J'5'XU\]'j'Y'\_', '\_[', XY\_]Y'bYfU'h f'[ fi d'U'fia inXU'8G9'+&\$  
\_cblfc''g]g]Y'a ]g]U'bXU'f'X'if''; Un'j'Y'X]n'Y'a c'c'f'i Y'bYfU'h f'[ fi d'U'f'ib'ib'c'c'a UH\_'c'U'f'U\_', U'i h'f'i'a U'g'i'j'Y'  
X'i'f'xi'fi'fa U'g'ib'i' [Yf, Y\_Y' h'f]f''A cX''z'Y'bYfU'h f'\_b'Z'Y'\_U'bg'z']c'U'f'z'U\_]a i'za c'c'f'ntU' 'V'U'g'ib'W'z'g'c' i'fa U'g'i'm'i'  
g'W'\_i'iz' U'i a U'g'U'U'h]z]Y'U\_'j'c'U'f'ib'i'n'Y'm'Y'W\_]Y'@7'8'Y'\_f'ubXU'[ " ghY'f'Y'W\_'Y\_]X'Y'U'g'U'f'U'ba'i'h'f''  
5n'fi'W'a cX'' YVY\_Y'j'c'U'f'ib'i'j'Y'Z'Y'\_U'bg'ib'i'n'Y'f'j'Y'n'X'Y'\_Y'bYfU'h f'[ fi Vi ]Y'c'b'U'V'U' i'[, 'h'U'bg'Z'f'g]g]Y'a ]b]  
\_cblfc''Y'X'Y'f'z'>Y'bYfU'h f'X'Y'U'fin'U'a Y'n'X'U'b'U'[Y'X] ]b'X'Y'c'c'a UH\_'c'U'f'U'\_Y'bYfU'h f'X'i'f'xi'fi'f'j'Y']]'U'fin'U'a cX''''b''b  
d'U'b'Y'j'b'X'Y'@7'8'Y'\_f'ubXU'[ " ghY'f]f''

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## Ölçme Göstergeleri

A C H C F  
A c h c f X Y j j f j  
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 i U t  
  
>9B9F 5Hx F  
J c i U > f i t @ B t  
5 \_ j a \ U f f i t @ & ! @ t  
: f Y \_ U b g  
  
969?9  
J c i U > f i t @ B t

## Koruma Devreleri

? 5 N  
5 \_ i U f U f i n U g i  
8 \_ i U \_ j c i U t  
  
8 I F 8 I F A 5 ' 5 @ 5 F A @ 5 F =  
G h f h U f i n U g i  
5 V y g h c d  
8 \_ i n U \ V U g i b W  
M \_ g Y \_ a c h c f g i W \_ i i  
8 \_ i # M \_ g Y \_ a c h c f \ i n i  
8 \_ i # M \_ g Y \_ Y b Y f U t c f  
Z Y \_ U b g i  
H f U b g Z y f j c i U t X \_ i \_ z U f i n U g i  
H f U b g Z y f z Z Y \_ U b g i X \_ i \_ z U f i n U g i  
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 \_ i \_ m U \_ i h g Y j j n Y g ! X i f X i f a U  
M \_ g Y \_ n U \_ i h g Y j j n Y g ! U U f a  
8 \_ i \_ g i \_ g Y j j n Y g ! X i f X i f a U

## Standartlar

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

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

5 \_ i U f V \ U n i g k j h x j b [ ! a c X Y j Y G A 8 i h y \_ b c c i g ] j Y f f h a ] X j f j Y m \_ g Y \_ j Y f j a Y g U \ d h f  
5 \_ i z j ! i \_ U f U \_ h y f g h \_ Y f j g j b Y [ " f Y U f ^ Y X ] j f " U a d Y f z % & j c h 8 7 , i \_ j Y f f " ; j f j c i U t % , ! \* \$ 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  
% & \$ ) 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 \_ i \_ z \ U z j Y i g i n U n a U g i ; c \_  
X \_ i \_ h f H Y f g \_ i h i 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

