

# AVP 450

Motor : Volvo Penta  
Alternatör : Mecc Alte  
Kontrol Sistemi : P 732



## ISO8528

6i 'YbYfUhf f [ fi Vi 'GC , ) & , 'm bYra Y' ] UfhUfibi' \_Uf i'UntUW' \_gYj ]nYXY' hUgUfUba i' hf"

## SZUTEST

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



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

## 2000/14/EC

GYG'mUih'a ' \_UV]b' ] [ fi d'Ufz&\$\$\$#/( #7 '5j fi dU' [ ' f' h' 'm bYra Y' ] bY [ " fY' hYghYX] ]f"

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

Voltaj	Standby Güç (ESP)		Prime Güç (PRP)		
	kVA	kw	kVA	kw	Amp
400/230	450,00	360,00	410,00	328,00	591,80

Standby Güç (ESP): ; 'jYb]f' YVY\_Y' \_UnbU 'ibib'\_Yg]a Yg]Xi fi a i bXUZY ] \_YbYY\_hf]m\_Y [ ' , fYa ]b\_Yra YXY'\_i 'Ubrif'9GDz-GC , ) & , 'Yi ni 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\_Yra YXYZmi'\_gibifgin' , U' a U gUUh] ]b ] 'Ubrif'DF DZ-GC ; ) & , 'Yi ni a i Xi f' -GC' \$( \* mU [ ' fY' %&gUUh, U' a U dYf]ncXi bXU%gUUh%\$& ' U' ifi m\_Ya Y ] ]b ] 'Ubrif"

## GH5B85FHx N9@@?@9F

Gi 'gc i' ha U' iX]nY' a ctefF UxnUhf f] Y'a Y\_Ub'\_Zub'8' bYb] Y giVW'\_dUf, U'UFU'Xc\_i ba Umi' b'YnYb'\_cfi mi W'\_UZ]g'9\_Y\_hf]\_a Uf 'a ctef] j Y' Uf^U'YfbUhf f' 5'\_f] f i b Ug]h]z'\_UV'c Ufi] j Y'gY'dUgi' A ctefV'c\_gi mi 'igihVgri' u Y'\_ UgY] Y'hfY ]a " b'YnY'YU'\_cn'Uf' UgYnY'YbY [ fY' nU'ihU'ub\_i'9gbY'\_nU'ihVU' 'Ubh \cfh'a 'Ufi'HY'\_nU'U'\_iz] Y'< nU'ih'a 'gibiz' U'Y'fbUhf f'9bX' gfh]nY' '\_UdUg]hYXY' gi gh fi W' j Y'Ygb'\_ , Y'\_ca dYbgUhf f'9\_Y'\_fcb]\_U'\_ Uf^V]X'Uni'? i 'Uba Uj Y' a cblU'\_Uj i ni ; fi d'Ufrib'ZY'\_Ubg] Y' j c'U'fY [ ' Ugn'cbi 'GC , ) & , ! ) Yi ni a i B: D5%\$&U [ c'fY' i %\$&\$ m'\_ 'U'Xifa U'\_UXif"

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

### MOTOR

! 'MU' ihgi' UmifWZ]hfY  
! 'MU' igihVgi

### ALTERNATÖR

! '-gihVZfi h' VYh' b'Yn]W  
! 'u[ ] ' U'Yf]

### KONTROL PANOSU

- Otomatik senkronizasyon ve güç kontrol sistemi (çoklu paralel jeneratör)  
! ' YVY\_Y' ]Y' g' fY'\_ ]dUfUY' ]g]hYa  
! ' YVY\_Y' ]Y [ Y , ] 'gyb\_fcbi' g]hYa ]  
! 'I nU' U'U'Ufa' d'UbY'  
! '5 Ufa ; ]\_ ] ' Y'Yf]  
! 'I nU' hUb ]Yh] ]a za cXYa ]Y  
! 'HcdfU'\_U, U' izfY'\_YbYfUhf f  
! ' Uf^Ua dYfa YfYg]

### YARDIMCI DONATILAR

! 'C'ha U[h] j YnU'a Ubi Y' nU'ihXci a 'g]hYa ]  
! 'MU' 'Vc' U'ha UzYY'\_hf]\_ ]dca dU  
! '8' ' ]\_ ]Y' m'\_gY'\_nU'ihgYj ]nYg] U'Ufa i  
- Egzoz susturucusu, meskün mahal tip  
! 'A i \UZUnU'\_UV]b] /gYg' nU'ih'a 'ihjd] YnU'U, i'\_U'Ub' hjd  
! '<Uj U'\_UbU' i'UXUdh f' ffUXnUhf f' b' t  
! 'A ctef]i' d'Ub' f' f'U'Uj U [ ]f] j Y , i'\_ ] XYj fYg] t  
! 'GYg' nU'ih'a 'i'\_UbU' f'U'Uj U [ ]f] j Y , i'\_ ] XYj fYg] t  
! '5'YhU'\_ia i' f'VU'\_ia ] ]b t  
! '9' \$\$\$ \$\$\$ , U' a U'gUUh] ]b VU'\_ia 'gYh  
! '5b]Z]n]j Y' a ctef' mU' 'Ua U' nU' i' f' '\$\$7' , Yj fY' giVW'\_i' i' ]b t  
! '5bU' MU' ihHUb'\_i

### TRANSFER PANOSU

- Üç veya dört kutuplu transfer sistemi  
! 'y , j YnU' X' fh] j h' d' i' a ctef]i ; ]\_ ] ' U'Yf]

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

Üretici		Volvo Penta		
Model		TAD1344GE		
G]j]bX]f]j Y' HUGUfia		* G]j]bX]f]j Z' GifU'i H]d		
Hava Emme		Hi fVc' UF'Y'j Y'5fU'Gc i h W'i		
Maksimum Standby Güç		1500 d/dk		
		399,00 kw [543,00HP]		
Toplam Silindir Hacmi	L	12,780		
Çap ve Strok	mm	131X158		
Güç Hava U' C fUbi		18,1:1		
Norminal Devir	d/dk	1500		
Governör Tipi		Elektronik		
MU' ? UdUg]Yg]	L	36,00		
Su Kapasitesi	L	44,00		
Emilen Hava Debisi	m <sup>3</sup> /dk.	28,00		
Radyatör Hava Debisi	m <sup>3</sup> /dk.	390,00		
Egzoz Gaz Debisi	m <sup>3</sup> /dk.	67,50		
9[ ncn; Un'GiWU_ï i	° C	465,00		
Elektrik Sistemi		24 V d.c.		
MU_ihH' _Yfja ]	Yük	%100	%75	%50
	L/sa	83,10	63,30	42,80

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

Üretici		Mecc Alte		
Modeli		ECO40 2S/4		
Frekans	Hz	50		
Güç	kVA	450,00		
HUGUfia		: if, Uginž( 'i h d'i		
Cos fi		0,80		
: Un'GUnigi		3		
Voltaj	V	400/230		
5_ia	A	649,50		
MU'ihh' GibiZ		H		
_Un'G]ghYa ]		Elektronik ( AVR )		

## 6CM Hj Y'5 ₺ @?

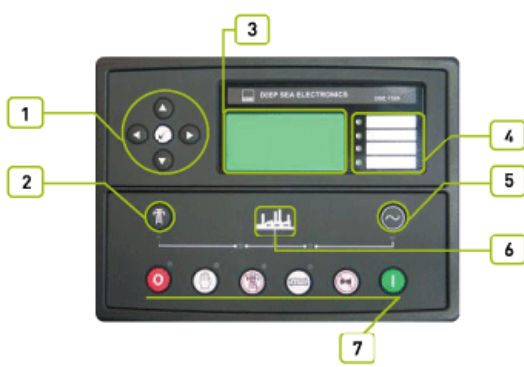
5, i; fi d	? i fi '5 ifi_	Boy	En	Yükseklik	MU_ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AVP 450		3213,00	1550,00	1855,00	700,00
Kabinli Grup	? i fi '5 ifi_	Boy	En	Yükseklik	MU_ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
MS 70	4200	4460	1606	2477	700

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## 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 u'Ü' i' a' U' 'Y\_'j'gY, a' Y'Vi' hcb'Ufi

### 2 Cihazlar

8G9ž'a cXY''+' &\$'C' hca UH\_ ' YVY\_Y'5finU'jn'Ya Y'j Y'YbYFUH' f'\_cbhfc''a cX''  
9'Y'\_fcb'\_U\_' ' Uf'V\Un'i  
5V\Xi' fXi' fa' U'Vi' hcbi' j' Y'\_cbhfc''XY' f'Y'Yf'j' ], ]b'g' [ cftU'Uf

### 3 Müdi'j' Y'6cniU

7 ]\Un'Uf', Y'\_l'gUWU' b'ja' U'YX]a ] ' dUbc'\_UV]b]bY'a' cbHU'ntüdi'if'' DÜbc'gUWZc'gZU'h\_ ]a' ntUgÜ'i'j'Y'\_Ud'UbUfU'\_gUW  
m' nYmj'\_cfcnc' bU'X]fYb, ' ]\U'Y' [ Y'hj]f'' Dc' mYgYfV]Y' ]\_l'c'n'VcniU'j' Y' Zf'ib'Ua' U' ] 'Ya' ]j'Y' dUbc'\_UV]b]bY' gcb'XYfYW  
XUnübi'\_i'VcniU'ntüdi'if''? ]h]j' Y'a' YbiY' Y'j' dUbc'\_UdU' i' ]Y' V\Un'UfU'i' 'U' a' U'\_c'UmXif''

### 4 Montaj

? cblfc'' dUbc'gi ž'YbYFUH' f' [ fi' Vi' ' Ug]g]' nYf]bXY\_'j'gU' 'Ua' ; Y'\_U'ntU'\_Uf'j' YntU' [ ' ; ]\_l' 'Y'Yfa' ]bU'a' cX'''' nYf]bY'  
a' cbHU'ntüdi'if''  
DÜbcž'YbYFUH' f' [ fi' Vi' bi' b'ntü' b'UfUz'bz' [ " n\ ]nUgi'gYj' ]nYg]bY' nYfY' ]f]j''

## 5 Jeneratör Kontrol Ünitesi

8G9'+ ' &\$

&&\$'\_j' 5' j' Y'' nYf] 'YbYFUH' f' [ fi' d'Ufia' inXU'8G9+' &\$'\_cbhfc''g]gY'a' ]ghUbXUf'Xif''9'Y'\_fcb'\_l'j' Y'Y'\_fcb'\_l'\_c'a' Untub  
[ Un'j' Y'X]nY'a' c'c'f' i' 'YbYFUH' f' [ fi' d'Ufi'bi' b'c' hca UH'\_c'UfU'\_ , U'i' h'f' i' a' Ugi'j' Y'Xi' fXi' fi' 'a' Ugi' ], ]b' h'UgUf'Uba' i' h'f''  
5nfi'W'a' cX'''' YVY\_Y'j' c' h'U'f'bi'j' Y' ZY'\_Ubg'ibi' ]n'Y'f'j' Y' nYXY'\_YbYFUH' f' [ fi' Vi' ]Y' cbU'VU' i' [ ' , ' h'Ubg'Zf'g]gY'a' ]b'  
\_cbhfc''YXYf''

Standart Özellikler

A'\_l'fc' ] 'Ya' V\j'Y'\_cbhfc''ntüdi'a' i' Xif  
% &l' \* ( 'd'\_gY'ž'@78' [ " gYf' [ Y' ]Y'V' [ ]Yf'\_c'Um'i'\_U'c'\_i' bi' f  
A' cX'''' b'dUbY' ]bXY' b'j' YntU' D7' j' Y' n'Un'i'ia' i'j' Ugi' h'UgimU' d'fc' [ f'Ua' 'Ua' U  
M' a' i' U'\_h' i' i' 'a' Ya' V'f'U' b'\_U'j' mY'j' Y'VY' 'h' i' i' 'a' Yb~'bUj' ] [ Ugncb  
9h'YfbYhj' Y'F'G&' &ž'F'G(, ) j' Ugi' h'UgimU' i' nU'\_h'U' b' ]Y'h' ]a' j' Y'GA' G' ]Y' f'Udcf'U'a' U  
HUf' ] j' Y' gUUh' ]Y'\_Umih'XYZ'Yf' ]bXY' U'finU'c' Um'i'f' ] \$L' [ " gY'fa' Y  
uc'\_i' 'h'Uf' ] j' Y' gUUh' ]Y'a' c'c'f'Y' [ nYfg]n'Xi' fi' a' i' j' Y'VU'\_ia' 'd'fc' [ f'Ua' i'  
? cblfc'' h' 'Ufi' . Ghcdž' A' Ubi' Y'ž' C' hca UH'\_ž'HYghž' GHUfž'GYgg]n' #@Ua' VU' h'Y'ghž'  
>YbYFUH' fY' h'Ubg'Zf'ž' YVY\_Y'nY' h'Ubg'Zf'ž' A' Yb~'bUj' ] [ Ugncb  
A' c'c'f'V'c'\_gi' m' i'gih'W'\_cbhfc''

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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 j  
5 \_ j c U i f  
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 i f @ \_ z @ B t  
5 \_ j a \_ f @ \_ z @ B t  
: f Y \_ U b g  
H c d f U \_ \_ U , U i  
\_ K  
7 c g j  
\_ j 5 f  
\_ K \ z \_ j 5 \ z \_ j 5 f  
: U n g i f U g i  
9 6 9 ? 9  
J c U i > 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 f  
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 f 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 f  
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 j 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 f  
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 f 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 j ! X i f X i f a U  
8 - \_ \_ n U \_ i h g Y j ] n Y g j ! U U f a  
M \_ g Y \_ n U \_ i h g Y j ] n Y g j ! 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 \_ 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 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 \_ i a Y j W h i f  
; ] f ] j c U i f : % , ! & \* ( J "  
u i \_ U \_ j a i . & + z J j Y n U % z J ) 5 "

