

AD 330

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



ISO8528

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

SZUTEST

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



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

2000/14/EC

GYG'mU'ihä _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	330,00	264,00	300,00	240,00	433,00

Standby Güç (ESP): ; ' j Yb]]f' YVY_Y' _UnbU' ibib' _Yg] a Yg] Xi fi a i bXUzXY] _YbYY' _f]] m' _Y [' , fYa] b' Yfa YXY' _i' ' _Ubirif' '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' _f]] m' _Yz [' , fYa] b' Yfa YXYZm' _L' gibifgin' , U' i a U' gUu]] , b' _i' ' _Ubirif' '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' _i' ' _Ubirif'

GH5B85FH'x N9@?@9F

Gi' gc' i' ha U' X]nY' a ctef
FUXntUf j Y a Y' _Ub' _ZUb
8' bYb j Y' giVW' _dUF, UUFU' Xc' _i' ba Um' b' YnYb' _cfi m' W' _UZyg
9' Y' _f]] a Uf' 'a ctefi j Y' Uf' U' Yf' bUf f'
5' _' f]] f i b' Ugh]z' _UV' c' Uf] j Y' gY' dUg
A ctef Vc' _gi m' 'ighVgi
uY' _L' UgY j Y' hfY] a " b' YnY' W' YU' _cn' Uf' UgYnY' YbY [fY' nU' _ihU' b' _i
9gbY' _nU' _ihVU' _Ubh' _cffi a' _Ufi
HY' _nU' _izj Y < nU' ihä ' gibizi' U' Yf' bUf f'
9bX' ghf]nY' _UdUg] YXY' gi' gh' 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' ^' _Uj i ni

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

MOTOR

! 'MU' _ihgi' _UmifWZ] hfY
! 'MU' _ighVgi

ALTERNATÖR

! '-gihVZfi h' Vh' b' YnY'
- Büyük güçte alternatör
- PMG ikaz sistemi + AVR
! 'u' _L' ' U' Yf]

KONTROL PANOSU

- Otomatik senkronizasyon ve güç kontrol sistemi (çoklu paralel jeneratör)
! ' YVY_Y'] Y [Y ,] ' gYb' _fcbi' _g] ghYfa]
! ! nU' _fUb'] Yf]] a j Y' _cblfc'
! ! nU' U' U' Ufa' _dUbY]
! '5' Ufa' ; _L' ' f' Y Yf]
! ! nU' _fUb'] Yf]] a za cXYa] Y
! 'HcdfU' _U, U' izfY' _' YbYfUf f'
! ' Uf' Ua dYfa YfYg]

YARDIMCI DONATILAR

! ' Cka Uf] _j YnU' a Ubi Y' nU' _ihXci a' _g] ghYfa]
! ' MU' _Vc' U' ha UzY' _dca dUg
! ' 8' _' _j Y m' _gY' _nU' _ihgYj] nYg] U' Ufa i
- Egzoz susturucusu, meskûn mahal tip
! ' A i' \UZnU' _UV] b] / gYg' nU' ihä ' i' h] d] j YnU' U, i' _U' Ub' h] d
! < Uj U' _UbU' i' UXUdri f' ' ffUXntUf f' " b' _L'
! ' A ctefi' _dUb' f' f' Uj U [] j Y , i' _L' ' XYj fYg] k
! ' GYg' nU' ihä ' i' _UbU' _fUj U [] j Y , i' _L' ' XYj fYg] k
- Römoorklar
! '5' YhU' _ia i' fVU' _ia] ,] b] k
! ' % \$\$\$ \$\$\$, U' i a U' gUu]]] b' VU' _ia ' gYf]
! ' u] zhV' XUf' i' Ug]
! '5bU' MU' _ihHUb' _i

TRANSFER PANOSU

- Üç kutuplu kontaktör
- Dört kutuplu kontaktör
! ' A ctefi' ' U' Yf]

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

Üretici		Doosan		
Model		P126TI-II		
G]j]bX]f] Y' H U g U f i a		* G]j]bX]f] Z G i f U i' H] d		
Hava Emme		Hi f v c' U F' Y' j Y' 5 f U' G c i h W' i		
Maksimum Standby Güç		1500 d/dk		
		294,00 kw [394,00HP]		
Toplam Silindir Hacmi	L	11,050		
Çap ve Strok	mm	123 x 155		
G]i' h i f a U' C f U b i		17,0:1		
Norminal Devir	d/dk	1500		
Governör Tipi		Elektronik		
MU' ? U d U g] Y g]	L	23,00		
Su Kapasitesi	L	65,00		
Emilen Hava Debisi	m ³ /dk.	20,10		
Radyatör Hava Debisi	m ³ /dk.	295,00		
Egzoz Gaz Debisi	m ³ /dk.	47,40		
9[n c n' ; U n' G i W U_ i' i	° C	590,00		
Elektrik Sistemi		24 V d.c.		
MU_ i h' _ Y f i a]	Yük	%100	%75	%50
	L/sa	63,10	47,00	31,30

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

Üretici		Mecc Alte		
Modeli		ECO 38-2LN/4		
Frekans	Hz	50		
Güç	kVA	300,00		
H U g U f i a		: i f, U g i n z' (' i h d' i		
Cos fi		0,80		
: U n' G U n i g i		3		
Voltaj	V	400/230		
5_ i a	A	433,00		
MU' i h a' G i b i Z		H		
ç i' M_ g Y' a Y g]		H		
Stator		&#' U X i a		
Rotor		H Y_ ' M U H_ i' 9 g b Y_ ' 8] g_]		
_ U n' G] g Y a]		Elektronik (AVR)		

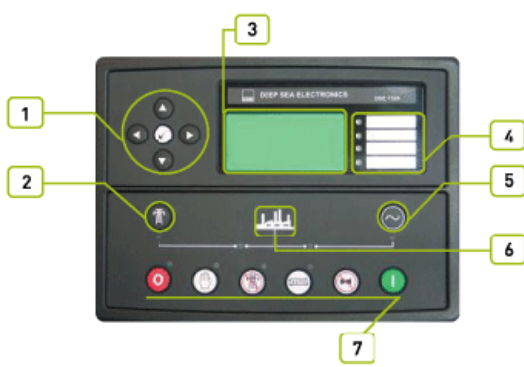
6CM H' j Y' 5 ₺ @?

5, i_ ; f i d	? i f i ' 5 i f i_	Boy	En	Yükseklik	MU_ i h 8 Y d c' ? U d U g] Y g]
	kg.	mm.	mm.	mm.	L
AD 330	2375,00	2950,00	1300,00	1588,00	450,00
Kabinli Grup	? i f i ' 5 i f i_	Boy	En	Yükseklik	MU_ i h 8 Y d c' ? U d U g] Y g]
	kg.	mm.	mm.	mm.	L
MS 60	3065	3960	1356	2097	470

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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 uU'i a U' Y_]gY, a Y Vi' hcb'Ufi

2 Cihazlar

8G9ž'a cXY''+' &\$'C' hca UH_ ' YVY_Y'5finU'jnYa Y'j Y'YbYFUH' f'_cbhfc''a cX''''
9'Y'_fcb]_U_'' Uf'V\Un'i
5VY'Xi fXi fa U'Vi' hcbi 'j Y'_cbhfc''XY'j fY'Yf]],]b'g][cftU'Uf

3 Müdi'j Y'6cniU

7]\Un'Uf, Y]_gUWU'ub]a U'YX]a] 'dUbc'_UV]b]bY'a cblU'ntüdi'if''Dübc'gUWZc'gZU'h_]a ntUgU'i']Y'_Ud'UbUfU'_gUW
m' nYm]_cfcnc'buX]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
XUnübi'_i'VcnU'ntüdi'if''?]h]j Y'a YbY' Y']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_]gU' 'Ua ; Y]_Unü'Uf'j YntU' [' ;]_i' 'Y'Yfa]bU'a cX'''''' nYf]bY
a cblU'ntüdi'if''
Dübcž'YbYFUH' f[fi Vi' bi' b'ntü' b'UfUZbUZ[(" n\]nUgi'gYj]nYg]bY' nYfY' h]f]f''

5 Jeneratör Kontrol Ünitesi

8G9'+ ' &\$
&&\$'_] 5 j Y'' nYf] 'YbYFUH' f[fi d'Ufia 'nXU'8G9+' &\$'_cbhfc''g]gY'a]ghUbXUf'Xif''9'Y'_fcb]_j Y'Y'Y'_fcb]_c'a Unü'ub
[Un] Y'X]nY'a c'c'f'i 'YbYFUH' f[fi d'Ufibi'b'c' hca UH_ 'c'UfU_ , U'i' h'i'fa Ugi'j Y'Xi fXi fi 'a Ugi'],]b' hUgUf'Uba' i' hif''
5nfiW'U'a cX'''' YVY_Y'j c' hU'fbi'j Y'ZfY'_Ubgibi'jn'Yf'j Y'nYXY'_YbYFUH' f[fi Vi']Y'cbU'VU' i' [' , ' hUbgZf'f'g]gY'a]b]
_cbhfc''YXYf''

Standart Özellikler

A]_fc'] 'Ya W]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']bXY'j YntU'D7' j Y'ntü'ia' i'j Ugi'UgimU'dfc[fUa' 'Ua U
M a i' U_ 'h' 'i' 'a Ya VfU' b'_Uj' nY'j Y'VY' 'h' 'i' 'a Yb~'bUj][Ugncb
9h.YfbYhj Y'F G&' &ž'F G(,) j Ugi'UgimU'i' nU'_hUb']Y'h]a' j Y'GA G']Y'fUdcf'U'a U
HUf] \ j Y'gUUh]Y'_UmihXYZfY]bXY' UfinU'c' Um'i'f] \$E[" gY'fa Y
uc'_i' hUf] \ j Y'gUUh]Y'a c'c'f'Y[nYfg]n'Xi fi a i' j Y'VU_ia' 'dfc[fUa' i'
? cblfc''h' 'Ufi. 'G'hdž'A Ubi Y'ž'c' hca UH_ ž'HYghž'GHUfž'GYgg]n'#@Ua VU' hY'ghž
>YbYFUH' fY' hUbgZf'ž' YVY_Y'nY' hUbgZf'ž'A Yb~'bUj][Ugncb
A c'c'f'V'c'_gi' m' 'igihW'_cbhfc''

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Ölçme Göstergeleri

A C H C F
A c h c f X Y j] f]
M J \ 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 ' 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 @ & ! @ 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 f 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 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 ^
9 7 I] U n
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 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]
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 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] ! 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

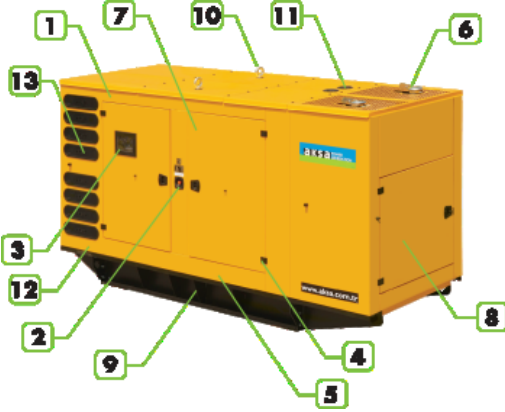
9 Y _ h f c b] _ 5 _ ' U f ^ 7] U n i

5 _ ' U f ^ 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 ^ U n i z '] b Y Y f ' U f ^ 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 _ ' U _ j a i . & + z ' j Y n U % z j) 5 "

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MS 60 - Kabin



- 1 uY_l'gUVØUb'müdi
- 2 Acil durdurma butonu
- 3 ? cblfc''dUbcgi 'gU 'hUFUZU' UgYm'ya cblU'Y
- 4 ? cfcncbU'XUnübi'_i'_]hj Y'a YbY' Y'Yf
- 5 MU 'Vc U'fa U'a ctef''nYf]bXY j UbU']Y
- 6 Egzoz sistemi kabin içinde, gizli
- 7 <Yf'_]nÜb hUFUZU'VU_ia i'_c'UmU hifUb'_]']hYbYV']f[Yb] '_Udi'Uf
- 8 x b'j Y'uf_UXU'VU_ia i'_c'UmU hifUb'_]']hYbYV']f[Yb] '_Udi'Uf
- 9 8Ydc! UgY
- 10 ? U'Xifa U'j Y'hu ia U'bc_hUgiz' UgY'j YntU'_UV]b''nYf]bXY
- 11 F UXntU' f'gi 'Xci'a i j Y'ntU 'Xci'a i],]b'_Udu_
- 12 GYg'nü'ihia 'a U'nYa Y'Yf]
- 13 D'Ugh'_\Uj U'Ya] 'Wd'Yf]

y f' b' < U_ ibXU

GYg'MU'ihia 'ij Y? cfi ni W ? UV]b'Yf'5_gU'YbYUht f[fi d'Ufi'],]b_U_ i gh'_a '\YbX]g'Yf]hUFUZbXUbzncf\Uj U'j Y', Yj fY UfhUfibU'i m'i b[Y]]f]Yb'gYg'nü'ihia 'iz'_cfi a U'_UV]b'Yf]/XYU'gYg'Yj]nYg]j Y'_cfi a U'gU 'UnüWU'_ Y_]XY hUgUfUbifU'f'5_gU'_UV]b'Yf]z'dUf, U'dUf, U'g''_'YV]']fza cX' Yf'müdiXUZ[fi VU'_c'UmigYf]]g'j Y'VU_ia 'ntüUV]a Y'j Y', U'i hi 'i nYfXY'dUf, U'XY]]a]b'Y'c'UbU'_gU 'U'f'5nbi'nUa UbXU'YbYUht f[fi Vi bi b', Yj fY'giWU'_i 'ibU[" fY'gc i 'ha U'dYfz'fa Ubgij Y [, ; , i] XY Yf]bXY'\YfUb[]g'j]nY'X' ' ' ' ' a YnXUbU[Y]hfa YnYW'_müdiXU'c'a UgibU'X]_UhYX]YfY'_UV]b'Yf'X]nUmb YX]a] X]f' ? UV]b'Yf]b', Yj fY'giWU'_i j Y'gYg'Yj]nYg]i m'i b'i i],]b'dfch'e]d'YghYf]müdi'Xi'_hUb'gcbfU''fY]a]ntü'di'a i 'hif

Standart Özellikler

8'' '_dfcZ']j Y'_Ud'Ua U'U'ubi'Unz'f]ca dU'_h'UgUfia
? UV]bz'YbYUht f'gYh'zY[ncn'g]ghYa]j Y'ntU_ihXYdcgi ž Ug]hY'_dU'Yhc'UFU'_gY]_YX]YW'_ Y_]XYZV]fV]f]b]V' h' b'YnYW_
j Y'_c'Uma cblU'Y]b[Y]]f]a]]h'f'
?]a ntüG'U'Y']n'Ya Y] 'Ya]bXYb[Y,]f]Ybž'_UV]b', Y_l'gUWdUf, U'Ufiz'dc'nYghYf' hcn'VcmUmU'_Ud'Ubif'j Y'Zfib'Ubif
5'Yj '' b'Yn]W'ntü'ihia 'g' b[Yf]
GYfj]g'bc_hU'UfibU'_c'UmYf]]a
? UV]b], Yf]g]bXY Y[ncn'g]ghYa]j Y'igi'mü'ihia i
_]hUFUZU'[Yb] '_Udi'Uf
?]]h]'_Udi'' nYf]bXY' YZUZdYbW'fYXYb'_cblfc''dUbcgi bi]n'YmYV]a Y
? UV]b]b'Xi 'ibU'a cblU'Y'UW'ghcd Vi h'cbi
Gc i 'ha U'Zbij Y' Uf'U'YfbUht f' 'Xc_i ba Unü'_Uf i'_cfi ba i 'hif
?]]hYbYb'_Udi']Y'ntU_ihXc'i a i j Y'U'_ nY'Yf]]a
Ug]j Y'_UV]b'' nYf]bXY'_U'Xifa U'bc_hU'Ufi
GYg'nü'ihia '_UV]b][fi d'Ufib'gYg'Ygh]'&\$\$\$#/#97 nY'i m'i b'c'UFU'_Gni hYghhUFUZbXUb'XYbYhYba Y_hX]f'

En	mm.	1356
Boy	mm.	3960
Yükseklik	mm.	2097
MU_ihHUb_? UdUg]hYg]	L	470