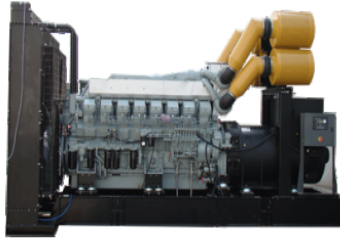


APD 1650 M

Motor : Mitsubishi
Kontrol Sistemi : P 732



ISO8528

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

SZUTEST

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



6i 'YbYfUf f [fi Vi '79'gYfhZ_U' UfhUfibi'U'i mfi 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"

uL_j ; '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	2168,00

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'jn]b] Yf]a Ya] hf"

Prime Güç (PRP): 8Y]_YbYY_f]m'_Yz [' , fYa]b'Yfa YXY'zmi'_gibifgin' U'i a U' gUu]]_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

5 if'\jna Yhi]d]zgi 'gc i ha U'iX]nY'a ctef
F UXnUf f j Y a Y_Ub'_ZUb
: Ub'j Y'giVU'_dUf, U'UfU'Xc_j ba Um'i" b'YnYb'_cfi mi W'_UZ'g
9'Y_f]]a Uf 'a ctef i j Y' Uf'U'fYfUf f
6U "UhwU'_z]f] f i b Ug]h'_UV'c'Uf i j Y'g\vdUgi
A ctef W'_Yhgi mi 'igihWgi
uY'_L: UgY j Y'f]fY 'ja " b'YnY'WU'_cn'Uf
; fi d'U'Ub' Unfi nU'_ihU'_ifU, i_gYh [fi d'U'
9gbY'_nU'_ihVU "Ubh'\cfi a "Uf i
HY'_nU'_iz] Y < nU'ihä 'gibiZi'U'fYfUf f
9bX' g]f]nY'_UdUg]fYXY'gi ghi fi W j Y'YgbY'_Y]'_ca dYbgUf f
9'Y'_fcb]_U'_ " Uf'V\U'ni
?i "Uba Uj Y'a cblU'_iUj i ni

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

MOTOR

! 'MU'ihgi 'UnifiWZ]hfY
! 'MU' igihWgi

! 'gihWZ]fi hi VYh' b'YnY'
! 'u'_i " U'fYf]

KONTROL PANOSU

- Otomatik senkronizasyon ve güç kontrol sistemi (çoklu paralel jeneratör)
! ' YVY'_Y']Y'g' fY'_] dUfU'Y' g]gfY'a
! ' YVY'_Y']Y' [Y,] 'gYb_fcbi' g]gfY'a]
! ' i nU' U'U'Ufa 'dUbY'
! '5'Ufa ;]_i ' f' Y'Yf]
! ' i nU'_hUb]Yf] ja 'za cXYa]Y
! 'HcdFU'_U, U' iziY'_YbYfUf f
! ' Uf'Ua dYfa YfYg]

YARDIMCI DONATILAR

! 'C'ha UH'_j YnU'a Ubi Y' nU'_ihXci a 'g]gfY'a]
! 'MU' 'Vc' U'ha UZ'Y'dca dUgi
! '8' "]_Y' m'_gY'_nU'_ihgYj]nYg]U'Ufa i
- Egzoz susturucusu, meskün mahal tip
! 'A i \UZ]nU'_UV]b] /gYg' nU'ihä 'i'hd] j YnU'U, i'_U'Ub'hd]
! '<Uj U'_UbU'i'UXUdht f' ffUXnUf f" b' 't
! 'A ctef i 'dUb' f' f\Uj U' []f] j Y' ;]_i ' XYj fYg]k
! 'GYg' nU'ihä 'i'_UbU' f\Uj U' []f] j Y' ;]_i ' XYj fYg]k
! '5'YhU'_ia i' fVU'_ia]_i]_b'k
! '% \$\$\$ \$\$\$, U'i a U'gUUh]]_b'VU'_ia 'gYh]
! '5b]Z]n] Y'a ctef nU' 'Ua U'nU' i'fi' '\$S7', Yj fY'giVU'_i']_i]_b'k
! '5bU' MU'_ihHUb'_i

TRANSFER PANOSU

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

APD 1650 M

Motor : Mitsubishi
Kontrol Sistemi : P 732

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

Üretici		Mitsubishi
Model		S12R-PTAA2
G]jbX]fj Y' HUgUfia		12 Silindirli, V - Tip
Hava Emme		Hi fVc' UF'Yj Y'5fU'Gc i h W'i
Maksimum Standby Güç		1500 d/dk
		1441,00 kW [1932,00HP]
Toplam Silindir Hacmi	L	49,000
Çap ve Strok	mm	170 X 180
Güç Hava U'c fUbi		13.5:1
Norminal Devir	d/dk	1500
Governör Tipi		Elektronik
MU' ? UdUg]Yg]	L	180,00
Su Kapasitesi	L	317,00
Emilen Hava Debisi	m ³ /dk.	120,00
Radyatör Hava Debisi	m ³ /dk.	1800,00
9[ncn' ; Un'GiW'ü' i	° C	318,00
Elektrik Sistemi		24 V d.c.
MU'ihH' _Yh'a]	Yük	%100
	L/sa	317,00

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

Modeli		ECO46-1S/4
Frekans	Hz	50
Güç	kVA	1500,00
HUgUfia		: if, Uginž(' _i h d'i
Cos fi		0,80
: Un'GUnigi		3
Voltaj	V	400/230
MU'ih'a 'Gibiž		H
_Un'G]gh'Ya]		Elektronik (AVR)

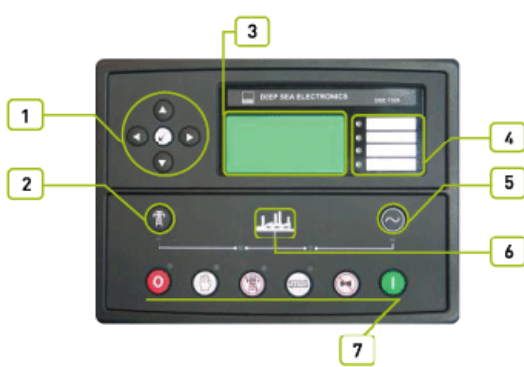
6CM H'j Y'5 ₺ @?

5, _; fi d	? i fi '5 ifi_	Boy	En	Yükseklik	MU'ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
APD 1650 M	13000,00	5000,00	2200,00	3100,00	2000,00
Kabinli Grup	? i fi '5 ifi_	Boy	En	Yükseklik	MU'ih8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AK 99	18000	9000	2800	3300/4800	2200

APD 1650 M

Motor : Mitsubishi
Kontrol Sistemi : P 732

1 P 732 - Kontrol Sistemi



- 1 A Yb~ 'bUj][Ugncb 'Vi tcb'Ufi
- 2 YVY_Yj Y'fUbgZf'Vi tcbi
- 3 @78 'jY] 'Yra 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 tcb'Ufi

2 Cihazlar

8G9ž a cXY''+ ' &\$'C tca UH_ ' YVY_Y'5finU'jnYa Yj Y'YbYfUht f_cbfhc``a cX''
9'Y_fcb]_U_'' Uf'V\Unı
5VY'Xi fXi fa U'Vi tcbi 'j Y'_cbfhc`XYj fY'Yf] ,]b'g][cftU'Uf

3 Müdi'j Y'6cniU

7]\Un'Uf , Y]_gUWUba]a U'YX]a] 'dUbc'_UV]b]bY'a cbHU'ntüdi'if''Dübc'gUWZc'gZU'h_]a ntUgU'i']Y'_Ud'UbUfU'_gUW
mı nYmj'_cfcncbU'X]fYb ,]\U'Y [Y'f]f]f''Dc'mYgYfV]Y]_t'cn'VcmU'j Y Z'f'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

? cbfhc`dUbcgi ž'YbYfUht f [fi Vi ' Ug]g]''nYf]bXY_]gU 'Ua ; Y]_Unü'Uf]j YntU [, ;]_i'Y'Yfa]bU'a cX''''nYf]bY
a cbHU'ntüdi'if''
Dübcž'YbYfUht f [fi Vi bi b'ntü'U'fUZbUZ [" n\]nUgi'gYj]nYg]bY nYfY]f]f''

5 Jeneratör Kontrol Ünitesi

8G9'+ ' &\$

&&\$'_j 5 j Y''nYf] YbYfUht f [fi d'Ufia inXU'8G9+' &\$'_cbfhc`'g]gY'a]gU'UbXU'fXif''9'Y_fcb]_j Y'Y'Y_fcb]_c'a Unü'ub
[Unj'Y'X]nY'a c'cf'f' YbYfUht f [fi d'Ufibi'c' tca UH_ 'c'UfU_ , U'i h'fi'a Ugi'j Y'Xi fXi fi 'a Ugi' ,]b'fUgU'fUba 'i' h'f'
5nfiW'a cX'' YVY_Yj c'fU'fbi'j Y Z'Y'_Ubgibi'jn'Yf]j Y nYXY_'YbYfUht f [fi Vi]Y'cbU'VU 'i [, 'fUbgZf'g]gY'a]b]
_cbfhc`YXYf''

Standart Özellikler

A]_fc] 'Ya VY]Y'_cbhc`ntüdi'a 'i Xif
% &I '* ('d]_gY'ž@78 [" gYf[Y]Y V] []Yf'_c'Umı'_U'c_] 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 VfU'b'_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']Yh] 'ja j Y'GA G]Y'fUdcf'U'a U
HUf] j Y'gUUh]Y'_UmihXYZYf]bXY'UfinU'c'Umı'f] \$E [" gY'fa Y
uc_'i 'fUf] \] Y'gUUh]Y'a c'cf'fY [nYfg]n'Xi fi a i] Y'VU_'ia 'dfc[fUa i
? cbfhc`'h' 'Ufi. 'G'hdž'A Ubi Y'ž'c' tca UH_ ž'HYghž'GH'fž'GYgg]n'#@Ua VU'fYghž
>YbYfUht fY'fUbgZf'ž' YVY_YnY'fUbgZf'ž'A Yb~ 'bUj][Ugncb
A c'cf'f'V'c_'gi m' 'igihW'_cbfhc`''

APD 1650 M

Motor : Mitsubishi
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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 Z
_ 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 Y b g ' f ' _ 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 _ J 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

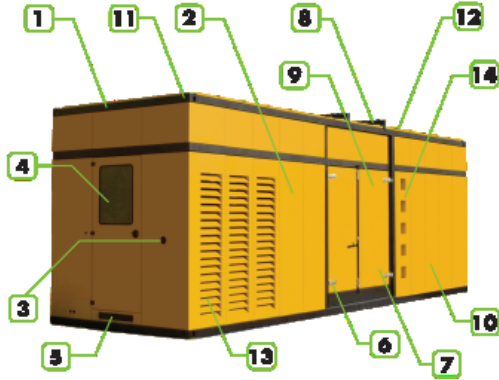
9 Y _ h f c b] _ 5 _ ' U f ^ 7] U n i

5 _ ' U f ^ V \ U n i ' g k] h \] b [! a c X Y j Y ' G A 8 ' 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 _ U _ j a i . & + z ' j Y n U % z J) 5 "

APD 1650 M

Motor : Mitsubishi
Kontrol Sistemi : P 732

AK 99 - Kabin



- 1 uY_l'dfcZ'j Y'gU, kU'ja U'U' imW_Uf_Ug'mUdi
- 2 uY_l'gU, kU'b'ja U'dUbY'Yf'Y_UV'b'ci' i a i
- 3 Acil durdurma butonu
- 4 ? cblfc'dUbcgi 'Uf_U'kUFUZU' UgYnY'a cblU'Y
- 5 ? UV'c; i_i' Uf_UXUb
- 6 ? cfcncbU'XU'ntUbi'_i_]nj Y'a YbHY' Y'Yf
- 7 MU' Vc' U'fa U'a cfcf' nYf]bXY' a Ub' Y'_'c'i' dca dU'Y
- 8 Egzoz sistemi kabin üstünde
- 9 < Yf_]kUFUZU'VU'ia i'_c'UmU' k'fU'b_]kYbYV']f[Yb] '_Udi'Uf
- 10 MU'ihXYdcgi '_UV]b]b' b'kUFUZbXUZ'Unfi'V']kYbYV']f'_Udi'Y'i' U' i'f
- 11 ? U'Xifa U'j Y'U'ia U'bc'kUgi'_UV]b' nYf]bXY'z'_cbHYnbif'a UdUgi' Y_'j]bXY'z
- 12 Radyator su dolumu için kapak
- 13 GYg'mU'ihia 'a U'nYa Y'Yf]
- 14 HUj UbU', i_i'],]b'VUga U_'a YfX]j Yb

y f' b' < U_ ibXU

GYg'mU'ihia i'j Y' ? cfi ni W ? UV]b'Yf'5_gU'YbYfUf f[fi d'Ufi'],]b'U' i gh'_a ' \YbX]g'Yf]kUFUZbXUbz'ncf' Uj U'j Y', Yj fY Uf'Uf'ibU'i m' i b[Y'] h'f]Yb'gYg'mU'ihia iz'_cfi a U'_UV]b'Yf]/XYU'gYg'gYj]nYg]j Y'_cfi a U'gU' 'UnUWU' '_Y_]XY HUgUf'Ubif'U'f'5_gU'_UV]b'Yf]z'dUf, U'dUf, U'g'_ 'YV]]fza cX' Yf'mU'diXUZ[fi VU'_c'Um'gYf]]g'j Y'VU'ia 'mUdU]a Y'j Y'; U'i hi' i nYfXY'dUf, U'XY']]a]b'Y'c'UbU'_gU' 'U'f'5mbi'nUa UbXU'YbYfUf f[fi Vi bi b', Yj fY'giWU'_i' ibU[' fY'gc' i'fa U'dYf'z'fa Ubgi'j Y [; ; i_i' XY' Yf]bXY'Yf'Ub[]gYj]nY'X' ' ' ' 'a YnXUbU[Yh'fa YnYV'_mU'diXU'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'gYj]nYg]i m' i b' i '],]b'dfchU]d'Y'ghYf]mU'di'Xi'_kUb'gcbfU' fY]a]mU'di'a i' h'f

Standart Özellikler

8' ' ' _dfcZ']j Y' _Ud'Ua U'U'Ubi'Unz'f]ca dU'_k'kUgUfia
? UV]b'z'YbYfUf f'gYh'z'Y[ncn'g]ghYa]j Y'mU'ihXYdcgi ž Ug]HY'_dU'Yhc'UfU'_gYj '_YX]Y'W'_' Y_]XY'z'V]fV]f]b]V' h'b'YnY'W'_ j Y'_c'Uma cblU'Y'],]b[Y'] h'f]a] h'f'
?]a nUgU'HYa]nYa Y'] Ya]bXYb[Y,]f]Yb'z'_UV]b', Y'_l'gUWdUf, U'Uf'iz'dc'nYgHYf'kcn'VcnUmU'_Ud'Ubif'j Y'z'f'ib'U'bi f 5 Yj ' " b'Ym'W'nU'ihia 'g' b[Yf]
GYf]]g'bc'_kU'Uf'ibU'_c'Um'Yf]]a
? UV]b'], Yf]g]bXY'Y[ncn'g]ghYa]j Y'ig'i'mU'ihia i'_kUFUZU' [Yb] '_Udi'Uf
?]h']'_Udi' nYf]bXY' Y'ZUZ'dYbW'fYXYb'_cblfc'dUbcgi bi]n'YnYV]a Y
? UV]b]b'Xi' ibU'a cblU'Y'UW' ghcd Vi h'ebi
Gc' i'fa U'Zubi'j Y' Uf'U'HYfbU'f' 'Xc' i'ba UnU'_Uf' i'_cfi ba i' h'f'
?]h'YbYb'_Udi']Y'mU'ihXc' i' a i' j Y'U'_' nY'Yf]]a
Ug]j Y'_UV]b' nYf]bXY'_U'Xifa U'bc'_kU'Ufi
GYg'mU'ihia '_UV]b] [fi d'Uf'ib'gYg'HYgh']&\$\$#% (#97 nY' i m' i b'c'UfU'_Gni'HYghkUFUZbXUb'XYbYhYba Y'_HYX]f'

En	mm.	2800
Boy	mm.	9000
Yükseklik	mm.	3300/4800
MU'ihUUb'_? UdUg]HYg]	L	2200