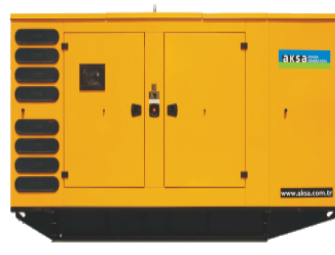
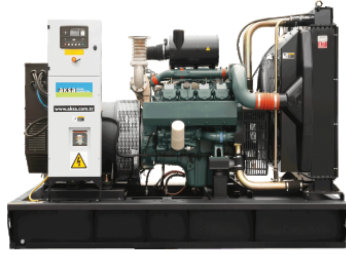


AD 490

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



ISO8528

6i 'YbYfUhf f [fi Vi 'GC,) & , 'm bYra Y'] UfhUfibi' _Uf i'UntUVW_ 'gYj]nYXY 'hUgUfUba i' hf'

SZUTEST

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



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

2000/14/EC

GYG'mUihA 'UV]b' [fi d'UfZ\$\$\$#/(#97 '5j fi dU [' f' h' m bYra Y'] bY [" fY 'hYghYX]]f'

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

Voltaj	Standby Güç (ESP)		Prime Güç (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	485,00	388,00	425,00	340,00	613,00

Standby Güç (ESP): ; 'jYb]f' YVY_Y'UnbU 'ibib'_Yg]a Yg]Xi fi a i bXUZXY] _YbYY_hf_]m_Y [' , fYa]b_Yra YXY'_i 'Ubrif''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_hf_]m_Yz [' , fYa]b_Yra YXYZm'_gibifgin', U'i a U gUUh]] b'_i 'Ubrif''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 'Ubrif''

GH5B85FH'x N9@@?@9F

Gi'gc i'ha U'iX]nY'a ctef
FUXntUhf jY'a Y_Ub'_ZU
8' bYb j Y'giVW_dUF, UUFU'Xc_j ba Um'i' b'YnYb_cfi m' W'_UZ'g
9'Y_hf_]a Uf 'a ctefi j Y' Uf'U'fYfbUhf f'
5'_hf_] f i b Ug]h]z'_UV'c'Ufi j Y'gY'dUg
A ctef Vc'_gi m' igihVgi
uY'_ UgY j Y' hf]Y 'a ' b'YnY]VfU_cn'Uf' UgYnY YbY [fY nU_ihHUb_j
9gbY'_nU_ihVU 'Ubh'cfh a 'Ufi
HY'_nU'iz j Y < nU'ihA 'gibiZi U'fYfbUhf f'
9bX' gh]nY'_UdUg]fYXY'gi gh fi W j Y YgbY'_ Y'_ca dYbgUhf f'
9'Y_hfcb'_U'_ Uf'V'Uhf
?i 'Uba U j Y a cbH'^_Uj i ni

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

MOTOR

! 'MU_ihgi 'UmifWZ]fY
! 'MU' igihVgi

ALTERNATÖR

! '-gihVZ fi h Vh' b'YnY]
- Büyük güçte alternatör
- PMG ikaz sistemi + AVR
! 'u [] ' U'fY]

KONTROL PANOSU

- Otomatik senkronizasyon ve güç kontrol sistemi (çoklu paralel jeneratör)
! ' YVY_Y]Y'g' fY_]dUFUY'g]gY'a
! ' nU 'U'U'f'a 'dUbY]
! '5'Ufa ;]_i ' f' Y'fY]
! ' nU_hUb]Yf] 'a za cXYa]Y
! 'HcdfU'_U, U iziY'_YbYfUhf f'
! ' Uf'Ua dYfa YfYg]

YARDIMCI DONATILAR

! 'Ctca Uhf_j YnU'a Ubi Y' nU_ihXci a 'g]ghYa]
! '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'ihA 'ihdj j YnU, U'_U'Ub'hd
! '<Uj U'_UbU'i'UXUdh f' ffUXntUhf f'' b' t
! 'A ctefi 'dUb' f'fUj U [] j Y,]_i 'XYj fYg]k
! 'GYg nU'ihA 'i'UbU'fUj U [] j Y,]_i 'XYj fYg]k
- Römoorklar
! '5'YhU_ia i'fVU_ia]_]b k
! '% \$\$\$ \$\$\$, U'i a U'gUUh]] b'VU_ia 'gYf]
! 'u]zhV'KUF'i' Ug]
! '5bU'MU_ihHUb_j

TRANSFER PANOSU

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

AD 490

Motor : Doosan
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Kontrol Sistemi : P 732

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

Üretici		Doosan		
Model		P158LE		
G]j]bX]f]j Y' HUGUfia		8 Silindirli, V - Tip		
Hava Emme		Hi fVc` UF'Y'j Y'5fU'Gc i h W'i		
Maksimum Standby Güç		1500 d/dk		
		414,00 kW [555,00HP]		
Toplam Silindir Hacmi	L	14,600		
Çap ve Strok	mm	128 x 142		
G]i` hifa U'C fUbi		15,0:1		
Norminal Devir	d/dk	1500		
Governör Tipi		Elektronik		
MU` ? UdUg]Yg]	L	21,00		
Su Kapasitesi	L	88,50		
Emilen Hava Debisi	m³ /dk.	25,50		
Radyatör Hava Debisi	m³ /dk.	410,00		
Egzoz Gaz Debisi	m³ /dk.	78,30		
9[ncn; Un'GiWU_ıı	° C	580,00		
Elektrik Sistemi		24 V d.c.		
MU_ıhH`_Yfja]	Yük	%100	%75	%50
	L/sa	89,30	65,10	43,90

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

Üretici		Mecc Alte		
Modeli		ECO 40-2S/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	649,00		
MU'ıha `GibiZ		H		
çji`M`_gY'a Yg]		H		
Stator		&#` UXia		
Rotor		HY_`MUU_ıı'9gbY_`8]g_]		
_Un'G]gY'a]		Elektronik (AVR)		

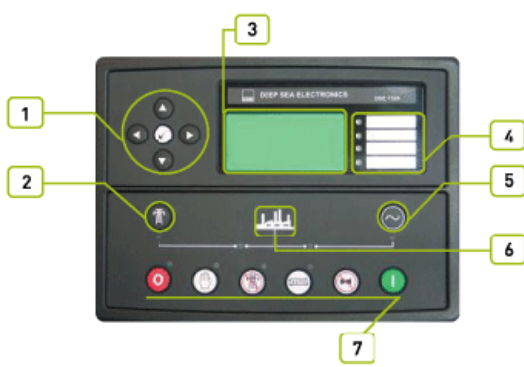
6CM H]j Y'5 ₺ @?

5, i; fi d	? i fi '5 ifi_	Boy	En	Yükseklik	MU_ıh8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AD 490	3130,00	3026,00	1550,00	1994,00	700,00
Kabinli Grup	? i fi '5 ifi_	Boy	En	Yükseklik	MU_ıh8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
MS 70	4150	4400	1560	2360	700

AD 490

Motor : Doosan
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'] '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']nYa Y'j Y'YbYFUH' f'_cbhfc''a cX''''
9'Y'_fcb]_U_'' Uf'V\U'ni
5VY'Xi fXi fa U'Vi hcbi 'j Y'_cbhfc''XY' 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 cbHU'^ntüdi'if''DUBc'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
XUnubi'_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

? cbhfc''dUbc'gi ž'YbYFUH' f [fi Vi ' Ug]g]''nYf]bXY_]gU 'Ua ; Y]_UnU'_Uf]j YntU' [, ;]_i' Y'Yfa]bU'a cX''''''nYf]bY
a cbHU'^ntüdi'if''
DUbcž'YbYFUH' f [fi Vi bi b'ntub'fUfUZbUZ [" 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'_fcb]_c'a Untub
[Un] Y'X]nY'a ctef' Y'YbYFUH' f [fi d'Ufibi'c'hca UH_ 'c'UfU_ , U'i hifi'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'ZfY'_Ubgibi']nYf]j Y'nYXY'_YbYFUH' f [fi Vi]Y'cbU'VU 'i' [, 'fUbgZf'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_] 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'_UmihXYZf]bXY'UfinU'c'Um'i'f] \$E[" gY'fa Y
uc_] 'fUf] \ j Y'gUUh]Y'a ctef'Y [nYfg]n'Xi fi a i] Y'VU_]a 'dfc[fUa i
'? cbhfc''h' 'Ufi. 'Ghcdž'A Ubi Y'ž'c'hca UH_ ž'HYghž'GHUfž'GYgg]n'#@Ua VU'fYghž
>YbYFUH' fY'fUbgZf'ž' YVY_Y'mY'fUbgZf'ž'A Yb~ 'bUj][Ugncb
A ctef'V'c_]gi m'i'gihW'_cbhfc''

AD 490

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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 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 ^ U n i ' g k] h W] 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 ^ 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 "

