

AC 2500

Motor : Cummins  
Alternatör : Stamford  
Kontrol Sistemi : P 732



**ISO8528**

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

**SZUTEST**

6i 'YbYfUf f [ fi Vi '-GC - \$\$\$gYfhZ'\_U" nY'\_L'Yf]bY [ " fY'fUgUF'Uba i' j Y' fY'f'a ] hf"



6i 'YbYfUf f [ fi Vi '79'gYfhZ'\_U' UfhUfibi'U' mfi bXi f

**2000/14/EC**

GYG'mU'ih'a '\_UV]b' [ fi d'UfZ&\$\$\$#/( #97 '5j fi dU [ ' f' h' m bYfa Y' ] bY [ " fY'fYghYX] ]f"

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

Voltaj	Standby Güç (ESP)		Prime Güç (PRP)		
	kVA	kW	kVA	kW	Amp
400/230	2500,00	2000,00	2000,00	1600,00	2886,00

Standby Güç (ESP): ; 'jYb]f' VYV\_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'\_L'gibifgin', U'i a U' gUUh] ]\_b ]\_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 ]\_Ubrif"

**GH5B85F H'x N9@? @9F**

5 if'\na Yh]d]z'gi 'gc i'ha U'iX]nY'a ctef  
F UXnUf f] Y'a Y'\_Ub'\_ZUb  
8' bYb] Y'giWV'\_dUF, U'UFU'Xc'\_j'ba Um'i" b'YnYb'\_cfi m'i W'\_UZ'g  
9'Y'\_f] ]a Uf 'a ctefi j'Y' Uf^U'fYfbUf f'  
5'\_f] ] f i b'Ug]h]z'\_UV'c'Ufi j'Y'gV'dUgi  
A ctef V'c'\_gi m'i 'igihWgi  
uY ]: UgY j'Y'f]fY ]a " b'Yn]WY'U'\_cn'Uf  
; fi d'U'Ub' Unfi m'\_ih'U'\_j'f5, i'\_gYh [ fi d'k  
9gbY'\_m'\_ih'VU 'U'bh'\c'fhi a 'U'fi  
HY'\_m'\_U'\_iz] Y < n'U'ih'a 'gibiZi' U'fYfbUf f'  
9bX' g'f]nY'\_U'dUg]fYXY'gi ghi fi W j'Y'Y'gYb'\_Y ]'\_ca d'YbgUf f'  
9'Y'\_f]cb ]'\_U'\_ 'Uf^V\U'ni  
?i 'U'ba U] Y'a c'btU'\_j'U] i'ni

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

**MOTOR**

! 'i nU'\_fUXnUf f' 'gc i'ha U'  
! '9'Y'\_f]cb ]'\_in'\_cb]f'c' " b]Yg]  
! 'MU'\_ih]gi 'UnifiW'Z]f'fY'  
! '8' " '\_gi 'gY] ]nYg] ]U'f'a i'  
! 'MU' 'igihWgi

**ALTERNATÖR**

! '-gihWZ'fi hi VYh' b'Yn]WY'  
- Büyük güçte alternatör  
- PMG ikaz sistemi + AVR  
! 'HY'\_Z]n'i' U'fYfbUf f' f' (\hiL  
! 'u'i ] ' U'fYf]

**KONTROL PANOSU**

- Otomatik senkronizasyon ve güç kontrol sistemi (çoklu paralel jeneratör)  
! ' VYV\_Y ]Y'g' f'\_ ] d'U'FU'Y' g]g]fYa  
! ' VYV\_Y ]Y [Y, ] 'gYb'\_fcbi' g]g]fYa ]  
! 'i nU'\_hUb ]Yf] ]a j'Y'\_cb]f'c'  
! 'i nU' U'U'f'a 'd'UbY ]  
! '5'U'fa ; i ] 'f' Y'Yf]  
! 'i nU'\_hUb ]Yf] ]a 'za cXYa ]Y'  
! 'HcdfU'\_U, U' izi'fY'\_YbYfUf f'  
! ' Uf^U'a d'Yfa Y'fYg]

**YARDIMCI DONATILAR**

! 'C'f'a UH'\_j' YnU'a Ubi Y' n'U'\_ihX'ci a 'g]g]fYa ]  
! 'MU' 'Vc' U'f'a UZ'Y'd'ca d'Ugi  
! 'MU' 'Vc' U'f'a UZ'Y'Y'\_f] ] d'ca d'U  
! '8' " '\_j' Y m'\_gY'\_m'\_ih]gY ]nYg] ]U'f'a i'  
- Egzoz susturucusu, meskün mahal tip  
! 'A i '\UZ]nU'\_UV]b] /gYg' n'U'ih'a 'ih]d] j' YnU'U, i'\_U'Ub'ih]  
! '<Uj' U'\_UbU'i'UXUd'f' f'f'U'XnUf f' " b'k  
! 'A ctefi 'd'Ub' f'f'U'U ] [ ]f] j'Y, i ] 'XYj' fYg]k  
! 'GYg' n'U'ih'a 'i'\_UbU' f'U'U ] [ ]f] j'Y, i ] 'XYj' fYg]k  
- Römorklar  
! '5'Y'h]U'\_ia i' f'VU'\_ia ] ]\_b'k  
! '9' \$\$\$ \$\$\$, U'i a U'gUUh] ]\_b'VU'\_ia 'gYh]  
! 'u ]zh'V'X'U'f' U'g]  
! '5'b]h]n]j' Y'a ctef m'U 'U'a U'm'U' i'f' '\$\$7, Yj' fY'g]W'\_i' i ] ]\_b'k  
! '5'\_ 'UbU'U'f'i  
! '5'\_ 'igihW'ntUgh' i'  
! '5'b'U'\_MU'\_ih'U'\_b'\_j'  
! ' VYV\_Y #>YbYfUf f' f'f'U'bgZ'f' d'Ub'cgj

**TRANSFER PANOSU**

- Üç kutuplu kontaktör  
- Dört kutuplu kontaktör  
- Üç veya dört kutuplu transfer sistemi  
! 'A ctefi ' U'fYf'  
! 'y, j' YnU'X' f' ] hi d'i 'a ctefi ; i ] ' U'fYf]

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

Üretici		Cummins		
Model		QSK 60 G13		
G]jbX]fj Y' HUgUfia		16 Silindirli, V - Tip		
Hava Emme		Hi fVc' UF'Yj Y'u JhDca dU'u Jh8Yj fY']		
Maksimum Standby Güç		1500 d/dk		
		2164,00 kW [2901,00HP]		
Toplam Silindir Hacmi	L	60,200		
Çap ve Strok	mm	159 x 190		
Güç Hava U'Ç fUbi		14,5:1		
Norminal Devir	d/dk	1500		
Governör Tipi		Elektronik		
MU' ? UdUg]Yg]	L	280,00		
Emilen Hava Debisi	m³ /dk.	154,40		
Egzoz Gaz Debisi	m³ /dk.	293,20		
9[ ncn; Un'GIWU_ıı	° C	507,00		
Elektrik Sistemi		24 V d.c.		
MU_ıhH' _Yıja ]	Yük	%100	%75	%50
	L/sa	399,00	302,00	210,00

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

Üretici		Stamford		
Modeli		LVSI804R		
Frekans	Hz	50		
Güç	kW	2410,00		
HUgUfia		: if, Uginz( ' _i hi d'i		
Cos fi		0,80		
: Un'GUnigi		3		
Voltaj	V	400/230		
5_ıa	A	3478,00		
MU'ıııa 'GibiZ		H		
ıjı'M _gY'a Yg]		H		
Stator		&#' UXia		
Rotor		HY_'MUıı_ıı9gbY_'8]g_]		
_Un'G]ghYa ]		Elektronik ( AVR )		

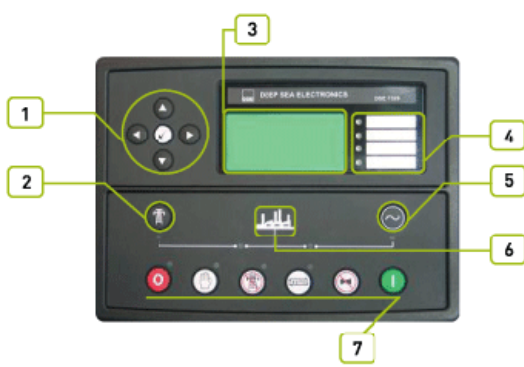
### 6CM Hıj Y'5 ₺ @?

5, ıı; fi d	?i fi '5 ifi_	Boy	En	Yükseklik	MU_ıh8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AC 2500	17200,00	6000,00	2494,00	3320,00	2000,00
Kabinli Grup	?i fi '5 ifi_	Boy	En	Yükseklik	MU_ıh8Ydc ? UdUg]Yg]
	kg.	mm.	mm.	mm.	L
AK 99	22800,00	9000	2800	3300/4800	2200

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## 1 P 732 - Kontrol Sistemi



- 1 A Yb~'bUj ][ Ugncb'Vi hcb'Ufi
- 2 YVY\_Yj 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 Yj Y'YbYfUht f'\_cbhfc''a cX''  
9'Y'\_fcb]\_U\_'' Uf'V\Un'i  
5VY'Xi fXi fa U'Vi hcbi 'j Y'\_cbhfc''XYj fY'Yfj], ]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  
m'nYmj'\_cfcncbU'X]fYb, ]\U'Y' [ Y'hj]f''Dc'mYgYfV]Y ]\_hcn'VcnU'j Y'Zf'ib'Ua U' ]'Ya ]]Y'dUbc'\_UV]b]bY'gcb'XYfYW  
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''dUbcgi ž'YbYfUht f [ fi Vi ' Ug]g]''nYf]bXY\_]gU 'Ua ; Y ]\_UnU'\_Ufj YntU' [ , ; ]\_i 'Y'Yfa ]bU'a cX''''''nYf]bY  
a cbHU'^ntüdi'if''  
DUbcž'YbYfUht f [ fi Vi bi b'ntübu'fUfUZbUZ [ " n\ ]nUgi'gYj ]nYg]bY'nYfY' h]f]f''

## 5 Jeneratör Kontrol Ünitesi

8G9'+ ' &\$  
&&\$'\_j 5 j Y''nYf] YbYfUht f [ fi d'Ufia inXU'8G9+' &\$'\_cbhfc''g]gY'a ]ghUbXUfXif''9'Y'\_fcb]\_j Y'Y'\_fcb]\_c'a Untub  
[ Unj'Y'X]nY'a ctecf' YbYfUht 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'jn'Yfj Y'nYXY'\_YbYfUht 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'\_i' bi f  
A cX'''' b'dUbY'j]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] ]a 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\_'i' fUf] ] Y'gUUh]Y'a ctecf'Y [ nYfg]n'Xi fi a i ] Y'VU\_'ia 'dfc[ fUa i  
? cbhfc''h' 'Ufi.'Ghcdž'A Ubi Y'ž'c'hca UH\_ž'HYghž'GHUfž'GYgg]n'#@Ua VU'fYghž  
>YbYfUht fY'fUbgZf'ž' YVY\_Y'mY'fUbgZf'ž'A Yb~'bUj ][ Ugncb  
A ctecf'V'c'\_gi m'i'gihW'\_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 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 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 ] ! 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 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 ^ 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 \_ i a Y j W h i f  
; ] f ] j c U i f : % , ! & \* ( J "  
u i \_ i \_ U \_ j a i . & + z J j Y n U % z J ) 5 "

