KOLMER ELEKTROMOTOREN

Kolmer Elektromotoren B.V.
Industrieweg 16
NL-3881 LB Putten

Datasheet 2SIEL 132M4 B3/B5

General data	
Article no.:	1313M004135IE2B
3-Phase motor type:	2SIEL 132M4 B3/B5
Output:	7,5 kW
Manufacturer:	Cantoni Motor
Frame size:	132
Number of poles:	4
Efficiency class:	IE2 High Efficiency
Flange/feet:	Feet and B5 flange
Mounting:	B35 (IM 2001) or derivatives
Isolation class:	F (155°C) temperature rise-class B (80K)
Duty type:	S1 (continuous)
Ambient temperature:	-20 to +40°C
Altitude:	≤ 1000 m.a.s.l.
Service factor:	1
Cooling method:	IC411 (TEFC)
Protection:	IP55
Tropicalisation:	No
Motor weight:	73,5 kg

Electrical data (calculated values)			
Rated Voltage (U_N):	**400**	**690**	V
Rated frequency (F_N):	**50**	**50**	Hz
Connection:	**Δ**	**Y**	
Rated output:	**7,5**	**7,5**	kW
Rated speed:	**1460**	**1460**	rpm
Efficiency:	**88,7**	**88,7**	%
Power factor:	**0,80**	**0,80**	
Rated current:	**15,3**	**8,8**	A
Starting current:	**114,8**	**66,3**	A
Factor starting current:	**7,5**	**7,5**	
Nominal torque:	**49,10**	**49,10**	Nm
Starting torque:	**117,8**	**117,8**	Nm
Factor starting torque:	**2,4**	**2,4**	
Breakdown torque:	**162,0**	**162,0**	Nm
Factor breakdown torque:	**3,3**	**3,3**	

Load characteristics							
Load:	0	25	50	75	100	125	%
Efficiency at 50Hz:			88,5	89,2	88,7		%
Efficiency at 60Hz:			89,9	90,3	89,5		%

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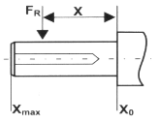
Mechanical data			
Moment of inertia:	0,036 kgm^2	Painting:	RAL 5010 (Gentian Blue)
Sound pressure level:	59 dB(A)	Frame material:	Cast Iron
Bearing DE:	6308 2Z C3	Shields material:	Cast Iron
Bearing NDE:	6308 2Z C3	Feet material:	Cast iron - screwed
Bearing system:	Service life lubrication	Terminal box position:	Top
Bearing fixation:	Drive-End	Cable glands size:	M25 (2x)
Balancing vibration class:	A (half-key)	Cable glands direction:	To right
Direction of rotation:	CW or CCW		

Shaft	
Shaft dimensions:	Ø38 x 80 mm
Key dimensions:	70 x 10 x 8 mm
Thread of center hole:	M12

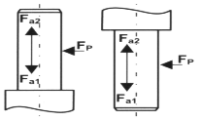
Horizontal operation:

$F_{R\ (X=0)}$	2,1 kN
$F_{R\ (X=max)}$	0,66 kN



Vertical operation:

F_p	2,2 kN
F_{a1}	0,45 kN
F_{a2}	0,6 kN



Standards	
Rating and performance:	IEC 60034-1
Methods for determining losses and efficiency:	IEC 60034-2-1
Classification of degrees of protection:	IEC 60034-5
Methods of cooling:	IEC 60034-6
Symbols of construction and mounting arrangements:	IEC 60034-7
Terminal markings and direction of rotation:	IEC 60034-8
Noise limits:	IEC 60034-9
Dimensions and output of electric machines:	IEC 60072-1
Vibration limits:	IEC 60034-14

Special remarks

Inclusive PTC 140°C