

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV3130B

SIMOTICS SD - 132 S - IM B5 - 4p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data

Safe Area

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
440	Δ	60	6.30	-/-	11.00	1770	34.0	89.5	89.8	89.1	0.84	0.80	0.71	7.3	2.3	3.4	IE2
IM B5 / IM 3001			FS 132 S		74 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 15.3 s 20.4 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	69.0 / 73.0 dB(A) ²⁾	69.0 / 73.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0340 kg m ²		Vibration severity grade	A
Bearing DE NDE	6208 2Z C3	6208 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	Unirex N3		Frame material	cast iron
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	Yes (standard)		Method of cooling	IC416 - separately ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6.0 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 H01	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

Notes:

I_A/I_N = locked rotor current / current nominal 1) L10mh according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411

M_K/M_N = locked rotor torque / torque nominal 2) at rated power / at full load

M_B/M_N = break down torque / nominal torque

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
DI MC LVM		DT Configurator					
SIEMENS	document type	datasheet		document status		customer	
	title	1LE1503-1CB09-0FA4-Z		released			
© Siemens AG 2021		B02+F01+F12+F70+M02+M1D		document number			
				rev.	creation date	language	Page
				01	2021-04-20 18:47	en	1/2

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	F70	Mounting of separately driven fan
F01	Mounting a brake	M02	Connection when shipped, delta connection
F12	Brake supply voltage 400 V AC, 50/60 Hz	M1D	440 VD for 60 Hz, 60-Hz power

Additional information:

Brake:

Description:	BFK458-16	Current:	.31 A
Voltage:	AC 400 V	Moment of inertia:	.0015 Nm

Notes:

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	document type datasheet		document status released		customer		
	title 1LE1503-1CB09-0FA4-Z B02+F01+F12+F70+M02+M1D		document number				
© Siemens AG 2021			rev. 01	creation date 2021-04-20 18:47	language en	Page 2/2	