

SIMOTICS SD - 71 M - IM B5 - 4p

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

Remarks

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	
380	Δ	50	0.37	-/-	1.04	1410	2.5	77.3	76.8	73.2	0.70	0.61	0.48	4.8	3.1	3.1	IE3
660	Y	50	0.37	-/-	0.60	1410	2.5	77.3	76.8	73.2	0.70	0.61	0.48	4.8	3.1	3.1	IE3
440	Δ	60	0.43	-/-	1.03	1710	2.4	78.2	77.5	74.1	0.70	0.61	0.49	5.1	3.0	3.1	IE3
440	Δ	60	0.37	-/-	0.94	1720	2.0	78.2	76.9	72.5	0.66	0.57	0.45	5.7	3.6	3.8	IE3

IM B5 / IM 3001

FS 71 M

16 kg

IP55

--	--

60034

IEC, DIN.

EN

--	--

--	--

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 47.6 s | 55.8 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	44.0 / 55.0 dB(A) ²⁾	47.0 / 58.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0014 kg m ²		Vibration severity grade	A
Bearing DE NDE	6202 2Z C3	6202 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	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	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	1.5 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	9.0 mm - 17.0 mm
Type of terminal box	TB1 D01	Cable entry	1xM25x1,5
Contact screw thread	M4	Cable gland	1 plug

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque

1) L10mh according to DIN ISO 281 10/2010
2) at rated power / at full load

3) Value is valid only for DOL operation with motor design IC411

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					
	document type			document status		customer	
	datasheet			released			
	title			document number			
	1LE1503-0CB33-3FA4-Z						
© Siemens AG 2021	Y53			rev.	creation date	language	Page
				01	2021-04-20 23:54	en	1/2

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



Motor type : 1CV3073B

SIMOTICS SD - 71 M - IM B5 - 4p

Special design

Y53 Paint finish in other standard RAL colours

Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by		Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
	document type datasheet			document status released		customer		
	title 1LE1503-0CB33-3FA4-Z			document number				
© Siemens AG 2021	Y53	rev. 01		creation date 2021-04-20 23:54		language en	Page 2/2	