

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

Motor type: 7CV3072B **SIMOTICS SD - 71M - IM B3 - 4 p**

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	M	$\eta^{3)}$			$\cos\phi^{3)}$			I_A/I_N	M_A/M_N	M_k/M_N	IE-CL
[V]±10%		[Hz]±5%	[kW]	[hp]	[A]	[1/min]	[kgf.m]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4				

Motordaten / Motor Data

415	Y	50	0.25	-/-	0.77	1425	0.2	1.7	75.0	74.0	65.0	0.60	0.51	0.39	4.5	2.5	3.7	IE3
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IM B3 / IM 1001	FS 71M	12 kg	SF:1	IS 12615 / IEC 60034-1	-
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Environmental conditions : -20 °C - +50 °C / 1,000 m

Locked rotor time (hot / cold) : 14 s | 19 s

Mechanical data

Sound pressure level 50Hz 60Hz	67 dB(A) 70 dB(A)	External earthing terminal	Yes (standard)
Moment of inertia Rotor GD ²	0.0006 kg m ² 0.0026 kgf.m ²	Vibration severity grade	A (Standard)
Bearing DE NDE	6202 2ZC3 6202 2ZC3	Insulation	155(F) utilized to 130(B)
bearing lifetime		Duty type	S1
L _{10mh} F _{Rad,max} according catalogue 50 60Hz ¹⁾	20.000 h 16.000 h	Direction of rotation	Bidirectional
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	50.000 h 40.000 h	Frame material	Cast iron
Type of bearing	Locating (fixed) bearing, NDE	Forced ventilation motor details	- / -
Relubrication interval/quantity DE NDE	- / - g - / - g - / - h	Net weight of the motor (IM B3)	12 kg
Type of construction	IM B3 / IM 1001	Rotor weight	2 kg
Degree of protection	IP55	Data of anti condensation heating	- / - V, - / - W
Lubricants	Esso Unirex N3	Coating (paint finish)	Standard paint finish
Regreasing device	- / -	Color, paint shade	RAL7030
Grease nipple	- / -	Motor protection	(A) without
Condensate drainage holes	No	Method of cooling	IC411 - Self ventilated, surface cooled

Terminal box

Terminal box position	Top	Cable diameter from ... to ...	9.0 mm - 17.0 mm
Material of terminal box	Aluminium	Cable entry	1xM16x1.5+1xM25x1.5
Type of terminal box	TB7 D04	Cable gland	2 Plugs
Contact screw thread	M4		
Max. cross-sectional area	6 mm ²		

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

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

1) L10mh according to DIN ISO 281 10/2010

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents
	document type datasheet			document status released	
	MLFB and Order Code 1LE7503-OCB22-3AA4			document number	
© Siemens AG 2022		rev. 01	creation date 2022-09-30	language en	