

SIMOTICS SD - 225 S - IM B3 - 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	
440	Δ	60	42.50	-/-	69.00	1778	230.0	93.6	94.1	93.9	0.86	0.83	0.75	6.7	2.4	2.7	IE2
IM B3 / IM 1001			FS 225 S		285 kg		IP55					IEC/EN 60034			IEC, DIN, ISO, VDE, EN		

Locked rotor time (hot / cold) : 36.2 s | 54.8 s

Sound level (SPL / SWL) at 50Hz 60Hz	65.0 / 78.0 dB(A) ²⁾	68.0 / 82.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.4200 kg m ²		Vibration severity grade	A
Bearing DE NDE	6213 Z C3	6213 Z 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	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	35.0 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	27.0 mm - 35.0 mm
Type of terminal box	TB1 L01	Cable entry	2xM50x1,5
Contact screw thread	M8	Cable gland	2 plugs

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			
	1LE1503-2BB09-0AA4						
© Siemens AG 2021	M1D			rev.	creation date	language	Page
				01	2021-04-21 12:19	en	1/2

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



Motor type : 1CV3220B

SIMOTICS SD - 225 S - IM B3 - 4p

Special design

M1D 440 VD for 60 Hz, 60-Hz power

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 1LE1503-2BB09-0AA4			document number			
© Siemens AG 2021		M1D			rev. 01	creation date 2021-04-21 12:19	language en	Page 2/2