

SIMOTICS SD - 225 M - IM B3 - 2p

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

Remarks

Safe Area

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\varphi^{3)}$			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_A/I_N	T_A/T_N	T_B/T_N	
400	Δ	50	45.00	-/-	80.00	2960	145.0	91.7	92.0	91.6	0.88	0.85	0.78	6.7	2.3	3.0	IE1
690	Y	50	45.00	-/-	46.50	2960	145.0	91.7	92.0	91.6	0.88	0.85	0.78	6.7	2.3	3.0	IE1
460	Δ	60	51.00	-/-	78.00	3560	137.0	92.4	92.4	91.7	0.89	0.87	0.80	6.7	2.3	3.0	IE1
IM B3 / IM 1001			FS 225 M		280 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 47.3 s | 47.3 s

Sound level (SPL / SWL) at 50Hz 60Hz	73.0 / 86.0 dB(A) ²⁾	77.0 / 90.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.2200 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

I_{Lr}/I_{Ln} = 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_r/M_{rn} = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_{bn} = 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					
	document type			document status		customer	
	datasheet			released			
	title			document number			
	1LE1502-2BA23-4AA4-Z						
	D22+Y58			rev.	creation date	language	Page
© Siemens AG 2021				01	2021-04-23 14:39	en	1/2

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



Motor type : 1CV1222A

SIMOTICS SD - 225 M - IM B3 - 2p

Special design

D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)	Y58	Non-standard cylindrical shaft extension, DE
-----	--	-----	--

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 1LE1502-2BA23-4AA4-Z							
© Siemens AG 2021	D22+Y58	rev. 01	creation date 2021-04-23 14:39		language en	Page 2/2		