

SIMOTICS SD - 225 M - IM B3 - 2p

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

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	
400	Δ	50	45.00	-/-	80.00	2970	145.0	95.0	95.0	94.4	0.85	0.81	0.71	8.8	3.1	4.1	IE4
690	Y	50	45.00	-/-	46.50	2970	145.0	95.0	95.0	94.4	0.85	0.81	0.71	8.8	3.1	4.1	IE4
460	Δ	60	51.00	-/-	78.00	3570	136.0	94.5	94.4	93.6	0.87	0.83	0.74	8.7	3.1	4.0	IE4
460	Δ	60	45.00	-/-	70.00	3575	120.0	94.5	94.3	93.3	0.85	0.80	0.70	9.8	3.5	4.6	IE4
IM B3 / IM 1001			FS 225 M		330 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 32.5 s | 49.5 s

Sound level (SPL / SWL) at 50Hz 60Hz	75.0 / 86.0 dB(A) ²⁾	76.0 / 87.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.2600 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	(B) 3 PTC thermistors - for tripping (2 terminals)
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	2xM50x1,5-2xM20x1,5
Contact screw thread	M8	Cable gland	4 plugs

I_R/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_R/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. 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.			
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