

SIMOTICS SD - 225 M - IM B3 - 2p

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

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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	51.00	-/-	81.00	3570	136.0	94.5	94.4	93.6	0.87	0.83	0.74	8.7	3.1	4.0	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 C3	6213 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
Relubrication interval/quantity DE NDE	20 g 4000 h	20 g	Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Special paint finish, resistant to salt-laden air C4
Regreasing device	with regreasing nipple		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 71412 A		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

Terminal box position	left	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 M_r/M_n = locked rotor torque / torque nominal M_b/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
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responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV4222A

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	M1D	440 VD for 60 Hz, 60-Hz power
F76	Metal external fan	S03	Special paint finish in sea air resistant C4
L19	Regreasing device with regreasing nipple M10X1 acc.to DIN 71412-A		

Notes:

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