

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	
DOL duty (S1) - 155(F) to 155(F)																	
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		SF: 1.15		FS 225 M		IP55		UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 0 s 27.9 s								

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 86 dB(A) ^{2) 3)}	77 / 90 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.2200 kg m²		Thermal class	F
Bearing DE NDE	6213 Z C3	6213 Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	280 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	35 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 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) L_{10th} 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_R/M_{br} = break down torque / nominal torque		

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Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents 	
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Restricted © Innomotics 2024	D22+D47+N01			Revision AA	Creation date 2024-05-26	Language en	Page 1/2

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D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)	N01	Temperature class 155 (F), utilised to 155 (F), with service factor (SF)
D47	TR CU product safety certificate EAC for the Eurasian Customs Union		

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