

SIMOTICS SD - 225 M - IM B5 - 4p

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

Remarks

Safe Area

Electrical data

-/-

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 130(B)																	
400	Δ	50	45.00	-/-	80.00	1478	290.0	94.2	94.9	95.0	0.86	0.83	0.75	6.6	2.6	2.6	IE3
690	Y	50	45.00	-/-	46.50	1478	290.0	94.2	94.9	95.0	0.86	0.83	0.75	6.6	2.6	2.6	IE3
460	Δ	60	52.00	-/-	81.00	1778	280.0	94.1	94.7	94.8	0.86	0.84	0.77	6.8	2.6	2.6	IE2
460	Δ	60	45.00	-/-	70.00	1782	240.0	95.0	95.3	95.1	0.85	0.81	0.73	7.7	3.0	3.0	IE3
IM B5 / IM 3001			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) : 33.7 s 53.2 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	65 / 78 dB(A) ^{2) 3)}	68 / 82 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.5200 kg m ²		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)	340 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

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_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) L_{10mh} 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

Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

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	
	Document type Technical data sheet			Document status Released			
	Document title 1LE1503-2BB23-4FB4			Document number TDS-240504-031357			
Restricted © Innomotics 2024				Revision AA	Creation date 2024-05-04	Language en	Page 1/1