

SIMOTICS XP - 225 M - IM V1 - 2p

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

Remarks

Electrical data	II 2G Ex db eb IIC T4 Gb -/-
-----------------	---------------------------------

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	-/-	78.00	2960	145.0	94.0	94.4	94.0	0.89	0.87	0.80	7.0	2.5	3.0	IE3
690	Y	50	45.00	-/-	45.00	2960	145.0	94.0	94.4	94.0	0.89	0.87	0.80	7.0	2.5	3.0	IE3
460	Δ	60	45.00	-/-	69.00	3565	121.0	93.6	93.4	92.2	0.88	0.85	0.79	7.8	3.0	3.4	IE3
IM V1 / IM 3011			FS 225 M				IP55			IEC/EN 60034							

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 15.3 s | 32.2 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 87 dB(A) ^{2) 3)}	77 / 91 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.2630 kg m²		Duty type	S1
Bearing DE NDE	6313 C3	6313 C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L10mh, F _{rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Net weight of the motor	446 kg
Regreasing device	Without		Motor weight incl. options	448 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled
Vibration severity grade	A			

Terminal box

Terminal box position	top	Max. cross-sectional area	50 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L21	Cable entry	-/-
Contact screw thread	M8		

Notes:

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

responsible dep. IN LVM	technical reference	created by SPC	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents 	
	document type datasheet			document status released			
	title 1MB1553-2BA23-4GA4-Z			document number			
© INNOMOTICS 2023	H00			rev. 951	creation date 2023-12-14	language en	Page 1/2

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



Motor type : 1CD3222A

SIMOTICS XP - 225 M - IM V1 - 2p

Special design

H00 Canopy

Notes:

responsible dep. IN LVM	technical reference	created by SPC	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.	Link documents
	document type datasheet				document status released
	title 1MB1553-2BA23-4GA4-Z				document number
© INNOMOTICS 2023	H00	rev. 951	creation date 2023-12-14	language en	Page 2/2

