

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



Motor type : 1CE3072B

SIMOTICS XP - 71 M - IM B5 - 4p

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

Remarks

II 2G Ex eb IIC T1-T3 Gb																			
Electrical data																			
Tc	U [V]	Δ / Y	f [Hz]	P [kW]	I [A]	n [1/min]	M [Nm]	t _E -time (s)		η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
								T1/T2	T3	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
T1/ T2	230	Δ	50	0.25	1.30	1385	1.7	0		73.5	72.7	68.3	0.72	0.63	0.51	4.1	2.4	2.6	IE3
	400	Y	50	0.25	0.75	1385	1.7	0		73.5	72.7	68.3	0.72	0.63	0.51	4.1	2.4	2.6	IE3
T3	230	Δ	50	0.25	1.30	1385	1.7	73	65	73.5	72.7	68.3	0.72	0.63	0.51	4.1	2.4	2.6	IE3
	400	Y	50	0.25	0.75	1385	1.7	73	65	73.5	72.7	68.3	0.72	0.63	0.51	4.1	2.4	2.6	IE3
IM B5 / IM 3001				FS 71 M			IP55			IEC/EN 60034									
Environmental conditions : -20 °C - +40 °C / 1,000 m																			

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	44 / 55 dB(A) ^{2) 3)}	47 / 58 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0009 kg m ²		Thermal class	F
Bearing DE NDE	6202 2Z C3	6202 2Z 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)	14 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded 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

Terminal box

Terminal box position	top	Max. cross-sectional area	4 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	9 mm - 17 mm
Type of terminal box	TB1 E21	Cable entry	1xM25x1,5
Contact screw thread	M4		

Notes:		
I _L /I _N = locked rotor current / current nominal	1) L _{10mh} according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M _L /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. 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	
SIEMENS	document type datasheet			document status released			
	title 1MB1543-0CB22-2FA4			document number			
© INNOMOTICS 2023				rev. 951	creation date 2023-12-14	language en	Page 1/1