

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



Motor type : 1CD3072A

SIMOTICS XP - 71 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 -/-
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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	0.37	-/-	0.95	2850	1.2	73.8	73.3	69.7	0.76	0.67	0.53	5.8	3.5	3.5	IE3
690	Y	50	0.37	-/-	0.55	2850	1.2	73.8	73.3	69.7	0.76	0.67	0.53	5.8	3.5	3.5	IE3
460	Δ	60	0.37	-/-	0.87	3470	1.0	73.4	71.7	67.0	0.73	0.64	0.51	6.8	4.2	4.2	IE3
IM V1 / IM 3011		FS 71 M				IP55			IEC/EN 60034								
Environmental conditions : -40 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 27.3 s 33.2 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	59 / 67 dB(A) ^{2) 3)}	57 / 68 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.0004 kg m ²		Duty type	S1
Bearing DE NDE	6202 Z C3	6202 Z C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Net weight of the motor	24 kg
Regreasing device	Without		Motor weight incl. options	24 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Color, paint shade	RAL5010
Condensate drainage holes	Without		Motor protection	(K) 1 Pt1000 resistance thermometer(2 terminals)
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	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	-/-
Contact screw thread	M4		

Notes:

I_A/I_N = locked rotor current / current nominal
M_K/M_N = locked rotor torque / torque nominal
M_K/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

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			
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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	H00	Canopy
D03	Minimum ambient temperature -40°C	Y53	Paint finish in other standard RAL colours RAL5010

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