

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS Motor type: 1AV2073B SIMOTICS XP - 71 M - IM V1 - 4p																		
Motor Client ord		1AV20	/3B		It	SIMOTICS XP - 71 M - IM V1 - 4p					Offe	Offer no.						
Order no.					C	Consignment no.				Proj	Project							
Remarks										11 2								
Electrical data									II 3G Ex ec II - <i>I</i> -				IB 13 GC					
U	Δ/Υ	f	P	P	I	n	M [N]		η 3)	2/4	414	cosφ ³⁾		I _A /I _N	M _A /M _N		IE-CL	
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	155/	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N		
400	Δ	50	0.37	-/-	1.02	1380	L duty (S1) 2.5	72.7	73.2	69.9	0.72	0.63	0.49	4.0	2.5	2.5	IE2	
690	Y	50	0.37	-1-	0.59	1380	2.5	72.7	73.2	69.9	0.72	0.63	0.49	4.0	2.5	2.5	IE2	
460	Δ	60	0.43	-1-	1.04	1680	2.5	72.0	72.4	69.4	0.72	0.63	0.50	4.5	2.6	2.7	IE2	
460	Δ	60	0.37	-/-	0.96	1705	2.0	72.0	71.2	66.9	0.67	0.58	0.45	5.0	3.0	3.2	IE2	
IM V1 / I	M 3011		FS 71 I	и	-	IP55		IEC/EN	60034		IEC, DIN, I	SO, VDE, EN	N					
		Enviror	nmental c	onditions :	-20 °C - +4	40 °C / 10	00 m			Lo	cked rot	or time (hot / col	d) : 38.6	5 s 49.	4 s		
Mecha	nical o	lata							'						-			
Sound	level (S	PL / SWL)) at 50Hz 6	OHz 44	/ 55 dB(A) ²⁾	⁽³⁾ 47 /	58 dB(A) ^{2) 3)}	Vibr	ation seve	erity grad	e				А			
	nt of ine					0009 kg m²	,		rmal class			F						
	g DE N			é	5202 2Z C3		202 27 C3											
	g lifetir				7202 22 CJ	C3 6202 2Z C3			Duty type				S1					
	-		ng operatio	n	200001				Direction of rotation			bidirectional						
			ng operation		20000 h 16000 h				Frame material			aluminum						
-	sing de	vice			Without				Net weight of the motor (IM B3)			-						
	nipple					-/-			Coating (paint finish)			Special paint finish C3						
	f bearin	_			Preloaded bearing DE			Colo	Color, paint shade			RAL7030						
Conde	nsate di	rainage h	ioles			Without			Motor protection			(A) without (Standard)						
External earthing terminal				Wit	With (standard)			Method of cooling			IC411 - self ventilated, surface cooled					ooled		
Termir	nal box	(
Termin	al box p	osition				top			Max. cross-sectional area						4 mm ²			
Material of terminal box				А	Aluminium			Cable diameter from to			9 mn				m - 17 mm			
Type of terminal box					TB1 B20 Cable er				ole entry				1xM25x1,5					
Contact screw thread						M4												
	and rates ex	uront laure	ont nominal	,	ul according	to DINI ECC 391	10/2010			21/10	and a control of the	aph for DOI	operation with	th mater doe	inn IC411			
I _M I _N = locked rotor current / current nominal 1) L _{10min} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411 M _A /M _N = locked rotor torque / torque nominal 2) at rated power / at full load M _K /M _N = break down torque / nominal torque 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.																		
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Language

Revision

Branding	disclaimer	applies
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B31+C02+H00+P02

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Special design											
B31	Design IIC with marki	ing IIB		H00	Canopy						
C02	VIK version			P02	Next smaller f	lange					
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		1	, '								
Responsible	department	Technical reference	Created by	Approved by	discre		Fechnical data are subject to change! There may b discrepancies between calculated and rating plate ralues.				
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SIF		Document type					Document status				
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