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Language

Revision

Creation date

2024-07-24

Data	shee	t for tl	hree-ph	ase Squ	irrel-Cag	e-Moto	rs SIMO	ΓICS								CCA		
										_								
		1AV30	90A				MOTICS GI	P - 90 S -	IM V1 -	2p	1							
Client order no.					Ito	em-No.					Off	Offer no.						
Order no.					C	Consignment no.				Pro	Project							
Remarks																		
Electri	ical dat	:a									Sa -/-	fe Area						
U	Δ/Υ	f	Р	Р		n	М		η <sup>3)</sup>			cosφ <sup>3)</sup>		I <sub>A</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub>	IE-CL	
[V]	27.	[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I <sub>I</sub> /I <sub>N</sub>	T <sub>I</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>	12 62	
						DC	L duty (S1	<b>)</b> - 155(F	) to 130	(B)								
220	Δ	50	1.50	-/-	5.40	2910	4.9	84.2	84.6	83.2	0.86	0.80	0.69	8.1	2.7	4.2	IE3	
380	Y	50	1.50	-/-	3.15	2910	4.9	84.2	84.6	83.2	0.86	0.80	0.69	8.1	2.7	4.2	IE3	
440	Y	60	1.75	-/-	3.10	3510	4.8	85.5	85.6	84.0	0.87	0.82	0.72	8.7	2.6	4.2	IE3	
440	Y	60	1.50	-/-	2.75	3525	4.0	85.5	84.8	82.3	0.84	0.77	0.66	9.8	3.1	4.9	IE3	
IM V1 /	IM 3011		FS 90						1 60034	034 IEC, DIN, ISO, VDE, EN  Locked rotor time (hot / cold): 8 s								
		Enviror	nmental c	onditions :	-20 °C - +4	10 °C / 10	00 m			L	ocked r	otor time	(hot / c	old) : 8	s   10.7	S		
Mecha	anical c	lata																
Sound	level (S	PL / SWL)	at 50Hz 6	OHz 65	/ 77 dB(A) <sup>2)</sup>	<sup>3)</sup> 69 <i>l</i>	81 dB(A) 2) 3)	Vibr	ation seve	erity grad	е				Α			
Mome	nt of ine	ertia			0.0	0.0021 kg m²			Thermal class				F					
Bearin	g DE   N	DE		6	5205 2Z C3	3 6004 2Z C3			Duty type				S1					
	ng lifetir					D			Direction of rotation				bidirectional					
L <sub>10mh</sub> F	Rad min fo	r couplin	g operatio	า	20000 h	16000 h			Frame material				aluminum					
	asing de				V	Without Net weight of th			the mot	notor (IM B3) 15 kg								
Grease nipple						-/- Coating (paint f			t finish)	-								
					Preloa	paded bearing DE Color, paint shade					RAL7030							
Condensate drainage holes						Without Motor protection				(A) without (Standard)								
External earthing terminal					Without Method of cooling				IC411 - self ventilated, surface cooled									
Termi	nal box	ζ																
Terminal box position						top Max. cross-section			ctional aı	al area				1.5 mm <sup>2</sup>				
Material of terminal box				A	·			le diamete	iameter from to				9 m	9 mm - 17 mm				
Type of terminal box					TB1 E00 Cable entry				1xM25x1,5									
Contact screw thread						M4 Cable gland					1 plug							
$M_A/M_N = 10$	ocked rotor	urrent / curre torque / toro torque / nom	que nominal		) L <sub>10mh</sub> according ) at rated power <i>l</i>		10/2010			3) V	alue is valid	only for DOL	operation wi	th motor de	sign IC411			
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## Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor ty	pe:1AV3090A		SIMOTICS GF	- 90 S - IM V1 - 2p						
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