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

Motor	type :	1AV11	62B			SI	IMOTICS GF	P - 160 N	I - IM B3	- 4p									
Client ord					li	Item-No.						Offer no.							
Order no.						Consignment no.						Project							
Remarks																			
Electric	cal dat	а											Safe Area -/-						
U	U Δ/Y f P P			I	l n M			η <sup>3)</sup>			cosφ <sup>3)</sup> Ι <sub>Α</sub> /Ι <sub>Ν</sub>				M <sub>A</sub> /M <sub>N</sub> M <sub>K</sub> /M <sub>N</sub> IE-				
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4		I <sub>I</sub> /I <sub>N</sub>	T <sub>I</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>			
						DC	DL duty (S1	<b>)</b> - 155(F	<sup>=</sup> ) to 130	(B)		1			•				
400	Δ	50	11.00	-/-	22.50	1460	72.0	87.6	87.9	86.7	0.81	0.7	4 0.61	6.9	2.7	3.3	IE1		
690	Y	50	11.00	- -	13.00	1460	72.0	87.6	87.9	86.7		0.7		6.9	2.7	3.3	IE1		
460	Δ	60	12.60	- -	22.00	1760	68.0	88.5	88.7	87.6	0.82	0.7	6 0.64	7.3	2.5	3.4	IE1		
IM B3 / II	VI 1001		FS 160 N	1		IP55	UKCA	IEC/EN	60034		IEC, DIN,	SO, VDF	. FN				<u> </u>		
		Enviror			-20 °C - +							d rotor time (hot / cold) : 9.3 s   17.1 s							
Mecha		-														-			
			at 50Hz 60	Hz 65	/ 77 dB(A) <sup>2</sup>						ade				A				
	nt of ine					0.0440 kg m <sup>2</sup> Thermal class									F				
-	) DE   NI a lifatin			t	5209 2Z C3	6	209 2Z C3	-	Duty type Direction of rotation					S1					
	<b>g lifetin</b> <sub>Rad min</sub> foi		g operation		40000 h	32000 h Frame m								bidirectional aluminum					
L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation 40000 h 50[60Hz <sup>1)</sup> Regreasing device						Without	52000 H		Net weight of the motor (IM B3)				62 kg						
Grease nipple						-/- Coating (paint finis						Standard paint finish C2							
						ting bearing NDE Color, paint s										RAL7030			
Condensate drainage holes															hout (Standard)				
External earthing terminal						Without			Method of cooling					IC411 - self ventilated, surface cooled					
Termin	al box																		
						ton		Max		ctional	2102				16 mm <sup>2</sup>				
Terminal box position Material of terminal box						top Juminium			Max. cross-sectional area Cable diameter from to				16 mm² 19 mm - 28 mm						
Type of terminal box						TB1 J00 Cable entry										2xM40x1,5			
Contact screw thread						M5 Cable gland									2 plugs				
						1015						z piugs							
1.0. [ad		rrent / curre				to DIN ISO 281	10/2010			2			DOL operation w						
$M_A/M_N = loc$ $M_K/M_N = bro$	cked rotor t eak down t	orque / torq orque / nom	ue nominal ninal torque	2)	) at rated power document as we	/ at full load	of its contents and			others wit	hout express a	uthorizati				able for pay	ment of		
					damages. All	rights created by	/ patent grant or re	gistration of a	a utility mode										
Responsible department Technical reference					erence	discre						cal data are subject to change! There may be ancies between calculated and rating plate				Link documents			
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