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

Motor type : 1AV1104C SIMOTICS GP - 100 L - IM B3 - 6p																		
Client ord					1	Item-No.						Offer no.						
Order no.						Consignment no.						ect						
Remarks																		
Electric	al dat	а									Sa1 -/-	e Are	а					
U						n Μ η ³⁾					-	cosφ ³⁾ Ι _Α /Ι _Ν Μ _Α /Μ _Ν Μ _Κ /Μ _Ν ΙΕ-CL						
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4		I _I /I _N	T _I /T _N	T _B /T _N		
						DC	DL duty (S1) - 155(F) to 130	(B)								
230	Δ	50	1.50	-1-	6.80	940	15.2	75.2	75.6	72.3	0.74	0.6		4.0	2.0	2.2	IE1	
400	Y	50	1.50	-/-	3.90	940	15.2	75.2	75.6	72.3	0.74	0.6		4.0	2.0	2.2	IE1	
460	Y	60	1.75	-/-	3.65	1140	14.7	77.0	77.5	75.2	0.78	0.6	9 0.55	4.5	2.1	2.5	IE1	
IM B3 / IN	J 1001		FS 100	1		IP55	UKCA	IEC/EN	60034		IEC, DIN, I		FN					
		Enviror			-20 °C - +							d rotor time (hot / cold) : 12.5 s 24.4 s						
Mecha					20 0 .													
						()3) (2)	74 - 10(4) 2) 3)	Vibr			da				٨			
	ievel (SF		at 50Hz 60	JHZ 597	71 dB(A) ²	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					ae	A						
	i DE NI			6	0. 206 2Z C3	0.0065 kg m ² Thermal clar 3 6206 2Z C3 Duty type					F 51							
-	g lifetin				200 22 C3	0	200 22 05	-	Duty type Direction of rotation					S1 bidirectional				
	-		g operatior	ı	40000 h		32000 h		Frame material				aluminum					
L _{10mh} F _{Rad min} for coupling operation 40000 h 50 60Hz ¹⁾ Regreasing device						Without	52000 11		Net weight of the motor (IM B3)					19 kg				
-	-					-/-			Coating (paint finish)					Standard paint finish C2				
Grease nipple Type of bearing Prel						, aded bearing	a 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				
Termin	albox	-																
Terminal box position						top			Max. cross-sectional area					4 mm ²				
Material of terminal box									Cable diameter from to Cable entry					11 mm - 21 mm				
Type of terminal box						TB1 F00								2xM32x1,5				
Contact screw thread						M4 Cable gland									2 plugs			
		rrent / curre	nt nominal Jue nominal		L _{10mh} according at rated power	to DIN ISO 281	10/2010			3)	Value is valid	only for	DOL operation w	ith motor de	sign IC411			
			ninal torque	2)	at lated power	/ at full load												
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Responsit	ole depar	tment		Technical refe	erence							al data are subject to change! There may be				uments		
IN LVM												ncies between calculated and rating plate						
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