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



Motor	tvpe :	1AV31	12C	•		IN	INOMOTICS	S GP - 11	- 2 M - IN	1 B3 - 6	D									
Client ord					It	· · · · · · · · · · · · · · · · · · ·						Offer no.								
Order no.					(	Consignment no.						Project								
Remarks						_														
Electri	cal dat	a									-/-	ife Area								
U	Δ/Υ	f	Р	Р	I	n	М		η 3)			cosφ <sup>3)</sup>		I <sub>A</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub>	M <sub>K</sub> /N	M <sub>N</sub> IE-CL			
[V]		[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	Γ <sub>N</sub>			
			l				DL duty (S1)				1			I		T	_			
500	Y	50	2.20	-/-	4.00	970	21.5	84.3	85.0	83.9	0.75	0.68	0.55	5.6	2.2	2.8	8   IE3			
IM B3 / IM 1001 FS 112 M						IP55 UKCA IEC/EN 60034					IEC, DIN,	EC, DIN, ISO, VDE, EN								
Environmental conditions: -20 °C -						+40 °C / 1000 m Loc						ked rotor time (hot / cold) : 26.9 s   35 s								
Mecha	nical d	lata																		
Sound	level (SI	PL / SWL)	at 50HzI60	Hz 65 /	74 dB(A) <sup>2</sup>	<sup>(3)</sup> 65 /	77 dB(A) <sup>2) 3)</sup>	Vibra	ation seve	erity gra	de				А					
						0170 kg m²		mal class		ac		F								
Bearing DE   NDE 6206 2Z C							206 2Z C3		Duty type				, S1							
bearing lifetime							200 22 03		Direction of rotation				bidirectional							
L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation 40000 h						32000 h Fram				ime material					aluminum					
Regreasing device						Without Net weight of the motor					tor (IM B	(IM B3) 34 kg								
Grease nipple						-/- Coating (paint finish)						Standard paint finish C2								
					Preloa	paded bearing DE Color, paint shade						RAL7030								
Condensate drainage holes						Without	Moto	·					ermistors - for tripping (2 terminals)							
External earthing terminal						Without Method of cooling					IC411 - self ventilated, surface cooled									
Termir	nal box																			
Terminal box position						top Max. cr				c. cross-sectional area				4 mm²						
Material of terminal box					А	Aluminium Cable diameter from					to	. to 11 mm - 21 mm								
Type of terminal box						TB1 F00 Cable entry						2xM32x1,5-1xM16x1,5								
Contact screw thread						M4 Cable gland									3 plugs					
$M_A/M_N = Io$	cked rotor		que nominal		L <sub>10mh</sub> according at rated power	to DIN ISO 281 / at full load	10/2010			3)	Value is vali	d only for DOL	operation w	ith motor de	esign IC411					
			ninal torque semination and/o	or editing of this d			of its contents and o						re prohibited	I. Offenders	will be held	liable for	payment of			
					damages. All	ignts created by	patent grant or re	yistration of a	utility mode											
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