

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



Motor type : 1AV1132P

- 132 M - (A) IM B3 / IM1001 - p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
DOL duty (S1) - 155(F) to 130(B)																	
400		50	2.00	-/-	4.00	1455	13.0	85.0			0.85			5.6	1.8	2.8	
400		50	8.00	-/-	15.30	2880	27.0	82.0			0.92			6.3	1.8	2.8	
(A) IM B3 / IM1001			FS 132 M					IEC/EN 60034									
Environmental conditions : -20 °C - +40 °C / 1,000 m																	
Exception from EU 2019/1781 acc. to Article 2 (2) (n)																	

Mechanical data

Sound level (SPL / SWL) at 50Hz/60Hz	/ dB(A) ³⁾	/ dB(A) ³⁾	Thermal class	F
Moment of inertia	0.0240 kg m ²		Duty type	S1 = continuous operation
Bearing DE NDE	6308 2ZC3	6308 2ZC3	Direction of rotation	bidirectional
Lubricants	Esso Unirex N3		Frame material	aluminum
Regreasing device	40000		Net weight of the motor	44 kg
Type of bearing	Preloaded bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	No		Motor protection	without
External earthing terminal	No		Method of cooling	IC 411
Vibration severity grade	A (standard)			

Terminal box

Terminal box position	Terminal box - at the top	Max. cross-sectional area	6 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5
Contact screw thread	M4	Cable gland	2 plugs

Notes:

I_A/I_N = locked rotor current / current nominal	1) L10mh 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		

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
DI MC LVM		DT Configurator					
	document type	datasheet		document status		released	
	title	1LE1011-1CP29-0AA4		document number			
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Special design

M1Y Non-standard winding: 400VD,50Hz

Notes:

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[Link documents](#)

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