

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



Motor type : 1AV1130L

- 132 S - (F) IM B5 / IM3001 - 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	$\eta^{3)}$			$\cos\varphi^{3)}$			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	1.54	-/-	6.82	730	20.1	61.5			0.53			3.4	1.7	2.7	
400		50	3.07	-/-	6.24	1450	20.2	82.3			0.87			5.2	1.5	2.2	
(F) IM B5 / IM3001		FS 132 S						IEC/EN 60034									

Environmental conditions : -20 °C - +45 °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)	/ dB(A)	Thermal class	F
Moment of inertia	0.0190 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	38 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	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque

1) L10mh according to DIN ISO 281 10/2010
2) at rated power / at full load

3) Value is valid only for DOL operation with motor design IC411

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
	document type datasheet			document status released			
	title 1LE1011-1CL03-4FA4-Z B02+F74+N05+N30+Q02+S03			document number			
© Siemens AG 2021				rev. 01	creation date 2021-11-22	language en	Page 1/2

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



Motor type : 1AV1130L

- 132 S - (F) IM B5 / IM3001 - p

Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	N30	Increased air humidity/temperature with 30 to 60 g water per m3 air
F74	Sheet steel fan cowl	Q02	Anti-condensation heating for 230 V (2 terminals)
N05	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 45°C, power reduced	S03	Special paint finish in sea air resistant C4

Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
SIEMENS	document type datasheet			document status released			
	title 1LE1011-1CL03-4FA4-Z			document number			
© Siemens AG 2021	B02+F74+N05+N30+Q02+S03			rev. 01	creation date 2021-11-22	language en	Page 2/2