

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



Motor type : 1AV3135B

- 132M - IM B3 - 4p

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

Remarks

Electrical data

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\phi^{3)}$			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	
400	Δ	60	9.20	12.50	17.10	1770	49.5	92.4	92.8	93.1	0.84	0.80	0.71	8.2	2.5	3.2	IR3
690	Y	60	9.20	12.50	9.90	1770	49.5	92.4	92.8	93.1	0.84	0.80	0.71	8.2	2.5	3.2	IR3
IM B3 / IM1001		FS 132M		80 kg		IP55		IEC/EN 60034		NBR-17094-1							

Environmental conditions : -20 °C - +40 °C / 1,000 m

Mechanical data

Sound level (SPL / SWL) at 60 Hz	70 / 78 ²⁾	Vibration severity grade	Vibration severity grade A, standard
Moment of inertia	0.0490 kg m ²	Insulation	155°C (F) utilized 130°C (B)
Bearing DE NDE	6208 2Z C3	Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	Direction of rotation	clockwise / counterclockwise
Relubrication interval/quantity DE NDE	0 g 0 g 0 h	Frame material	aluminum
Lubricants	-/-	Data of anti condensation heating	0 V, 0 W
Regreasing device	without	Coating (paint finish)	Paint C3 - standard
Grease nipple	without	Color, paint shade	RAL7030
Type of bearing	Floating bearing (standard)	Motor protection	(B) 1 or 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	without	Method of cooling	IC411
External earthing terminal	No		

Terminal box

Terminal box position	(4) Terminal box top	Max. cross-sectional area	6 mm ²
Material of terminal box	aluminium	Cable diameter from ... to ...	21 mm - 11 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
 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.			
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Special design

M2J 400 VD/690 VY; 60Hz, 50-Hz power

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