

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



Motor type : 1CD3132B

SIMOTICS XP - 132 M - IM B3 - 4p

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

II 2G Ex db eb IIC T4 Gb

-/-

Electrical data

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{3)}$			$\cos\phi^{3)}$			I_A/I_N I_f/I_N	M_A/M_N T_f/T_N	M_K/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	7.50	-/-	14.30	1465	49.0	90.4	91.1	90.8	0.84	0.80	0.71	8.2	2.6	3.7	IE3
690	Y	50	7.50	-/-	8.30	1465	49.0	90.4	91.1	90.8	0.84	0.80	0.71	8.2	2.6	3.7	IE3
460	Δ	60	7.50	-/-	12.40	1770	40.5	91.7	91.8	91.0	0.83	0.81	0.73	9.6	2.7	4.2	IE3
IM B3 / IM 1001		FS 132 M		IP55		IEC/EN 60034											
Environmental conditions : -20 °C - +40 °C / 1,000 m										Locked rotor time (hot / cold) : 19.4 s 25.4 s							

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	68 / 76 dB(A) ^{2) 3)}	68 / 80 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.0404 kg m ²		Duty type	S1
Bearing DE NDE	6308 2Z C3	6308 2Z C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L_{10mh} , $F_{Rad min}$ for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Net weight of the motor	120 kg
Regreasing device	Without		Motor weight incl. options	120 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled
Vibration severity grade	A			

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H21	Cable entry	-/-
Contact screw thread	M4		

Notes:

I_A/I_N = locked rotor current / current nominal 1) L_{10mh} 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

responsible dep. IN LVM	technical reference	created by SPC	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents
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