

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



Motor type : 1CD3131A

SIMOTICS XP - 132 S - IM B35 - 2p

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]	η ³⁾			cosφ ³⁾			I _A /I _N I _I /I _N	M _A /M _N T _I /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	-/-	13.10	2950	24.5	90.1	90.9	90.7	0.92	0.89	0.84	8.3	2.1	4.0	IE3
690	Y	50	7.50	-/-	7.60	2950	24.5	90.1	90.9	90.7	0.92	0.89	0.84	8.3	2.1	4.0	IE3
460	Δ	60	7.50	-/-	11.50	3555	20.0	90.2	90.5	90.0	0.91	0.90	0.84	9.5	2.4	4.7	IE3
IM B35 / IM 2001		FS 132 S		IP55		IEC/EN 60034											
Environmental conditions : -20 °C - +40 °C / 1,000 m										Locked rotor time (hot / cold) : 12.7 s 17.3 s							

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	70 / 78 dB(A) ^{2) 3)}	72 / 84 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.0272 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} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Net weight of the motor	109 kg
Regreasing device	Without		Motor weight incl. options	109 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	(C) 6 PTC thermistors - for alarm and tripping (4 terminals)
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
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque
 1) L_{10mh} 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. 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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