

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



Motor type : 1CV4132B

SIMOTICS SD - 132 M - IM B5 - 4p

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

Remarks

Electrical data

Safe Area

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)																	
380	Δ	50	7.50	-/-	15.20	1470	48.5	92.6	93.1	92.7	0.81	0.75	0.64	7.7	3.0	4.0	IE4
660	Y	50	7.50	-/-	8.70	1470	48.5	92.6	93.1	92.7	0.81	0.75	0.64	7.7	3.0	4.0	IE4
440	Δ	60	8.60	-/-	14.90	1770	46.5	92.4	92.8	92.4	0.82	0.77	0.67	7.9	2.9	3.9	IE4
440	Δ	60	7.50	-/-	13.30	1775	40.5	92.4	92.5	91.8	0.80	0.74	0.63	8.8	3.4	4.5	IE4
IM B5 / IM 3001		FS 132 M				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 27.5 s 36.5 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	56 / 68 dB(A) ^{2) 3)}	61 / 73 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0460 kg m ²		Thermal class	F
Bearing DE NDE	6308 2Z C3	6308 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	80 kg
Grease nipple	-/-		Coating (paint finish)	Special paint finish C3
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

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 H01	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 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		
IN LVM		SPC						
	document type	datasheet			document status			
					released			
	title	1LE1604-1CB23-3FB4-Z			document number			
© Siemens AG 2023	F01+F11				rev.	creation date	language	Page
					943	2023-07-26	en	1/2

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



Motor type : 1CV4132B

SIMOTICS SD - 132 M - IM B5 - 4p

Special design

F01

Mounting of holding brake

F11

Brake supply voltage, 230 V AC, 50/60 Hz

Additional information:

Brake:

Description:BFK458-16Current:.27 A

Voltage:AC 230 VMoment of inertia:0.001500 kgm²

Notes:

responsible dep. IN LVM	technical reference	created by SPC	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 1LE1604-1CB23-3FB4-Z			document number			
© Siemens AG 2023	F01+F11			rev. 943	creation date 2023-07-26	language en	Page 2/2