

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



Motor type : 1CV3133C

SIMOTICS SD - 132 M - IM B5 - 6p

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)																	
220	Δ	50	5.50	-/-	23.00	975	54.0	88.0	88.1	86.9	0.72	0.65	0.53	6.8	2.7	3.4	IE3
380	Y	50	5.50	-/-	13.20	975	54.0	88.0	88.1	86.9	0.72	0.65	0.53	6.8	2.7	3.4	IE3
IM B5 / IM 3001			FS 132 M				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 16.4 s 22.1 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 75 dB(A) ²⁾	67 / 79 dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.0500 kg m ²		Thermal class	F
Bearing DE NDE	6208 2Z C3	6208 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad} min 50 60Hz Lubricants	40000 h	32000 h	Frame material	cast iron
Regreasing device	Unirex N3		Net weight of the motor (IM B3)	76 kg
Grease nipple	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

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
Contact screw thread	M4	Cable gland	2 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_K/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. 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 1LE1503-1CC32-1FA4				document number		
© Siemens AG 2022				rev. 01	creation date 2022-04-07	language en	