

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



Motor type : 1CV3133C

SIMOTICS SD - 132 M - IM B3 - 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	$\eta^{3)}$			$\cos\phi^{3)}$			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_l/I_N	T_l/T_N	T_B/T_N	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	4.78	-/-	11.50	975	46.8	88.1	87.6	85.6	0.68	0.60	0.47	7.8	3.1	3.9	IE3
690	Y	50	4.78	-/-	6.60	975	46.8	88.1	87.6	85.6	0.68	0.60	0.47	7.8	3.1	3.9	IE3
IM B3 / IM 1001			FS 132 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +55 °C / 1,000 m

Locked rotor time (hot / cold) : 16.7 s | 22.5 s

These values are calculated. The final rating plate data will be calculated when the order is placed

The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 75 dB(A) ^{2) 3)}	67 / 79 dB(A) ^{2) 3)}	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
$L_{10mh} F_{Rad min}$ for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	76 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
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
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) 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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
DI MC LVM		DT Configurator					
	document type	datasheet			document status	released	
	title	1LE1503-1CC33-4AA4-Z B02+G05+N07			document number		
© Siemens AG 2023		rev.	creation date	language	Page		
		943	2023-05-22	en	1/2		

SIMOTICS SD - 132 M - IM B3 - 6p

B02	Acceptance test certificate 3.1 acc. to EN 10204	N07	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 55°C, power reduced
G05	Mounting a rotary pulse encoder HOG 9 D 1024 I		

Notes:

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	
SIEMENS	document type datasheet			document status released			
	title 1LE1503-1CC33-4AA4-Z			document number			
© Siemens AG 2023	B02+G05+N07			rev. 943	creation date 2023-05-22	language en	Page 2/2