

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



Motor type : 1CV3132D

SIMOTICS SD - 132 M - IM B3 - 8p

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

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η 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)																	
230	Δ	50	3.00	-/-	12.50	725	39.5	83.5	83.8	82.2	0.72	0.64	0.51	5.2	2.0	2.5	IE3
400	Y	50	3.00	-/-	7.10	725	39.5	83.5	83.8	82.2	0.72	0.64	0.51	5.2	2.0	2.5	IE3
IM B3 / IM 1001			FS 132 M		IP55		UKCA		IEC/EN 60034			IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 26.5 s 35.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	64 / 77 dB(A) ^{2) 3)}	67 / 80 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0610 kg m ²		Thermal class	F
Bearing DE NDE	6308 2Z C3	6308 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	
L_{10mh} , F_{Rad} min 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Frame material	cast iron
Regreasing device	No		Net weight of the motor (IM B3)	78 kg
Grease nipple	-/-		Coating (paint finish)	Special paint finish C3
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Yes (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
External earthing terminal	No		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	mm ²
Material of terminal box		Cable diameter from ... to ...	mm - mm
Type of terminal box		Cable entry	-/-
Contact screw thread		Cable gland	-/-

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) L10mh 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. DI MC LVM	technical reference	created by DT Configurator	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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