

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



Motor type : 1CV3205C

SIMOTICS SD - 200 L - IM B3 - 6p

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

Remarks

Safe Area

-/-

Electrical data

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{3)}$			$\cos\phi^{3)}$			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)																	
400	Δ	50	22.00	-/-	43.50	978	215.0	92.2	92.8	92.3	0.79	0.74	0.64	5.6	2.5	2.6	IE3
690	Y	50	22.00	-/-	25.50	978	215.0	92.2	92.8	92.3	0.79	0.74	0.64	5.6	2.5	2.6	IE3
IM B3 / IM 1001			FS 200 L		IP55		UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 46.6 s | 69.1 s

Mechanical data



Sound level (SPL / SWL) at 50Hz 60Hz	63 / 76 dB(A) ^{2) 3)}	63 / 70 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.3200 kg m ²		Thermal class	F
Bearing DE NDE	6212 2Z C3	6212 2Z C3	Duty type	S1
bearing lifetime L _{10mh} , F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Regreasing device	Without		Net weight of the motor (IM B3)	230 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(F) 1 temperature sensor KTY84-130 (2 terminals)
External earthing terminal	With (standard)		Method of cooling	IC416 - separately ventilated, surface cooled

Terminal box

Terminal box position	left	Max. cross-sectional area	25 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L01	Cable entry	2xM50x1,5-2xM20x1,5
Contact screw thread	M6	Cable gland	4 plugs

Notes:

I_A/I_N = locked rotor current / current nominal 1) L_{10mh} 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

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		document number	
	title 1LE1503-2AC53-4AF6-Z B02+F01+F11+F70+G11+R62+Y82+Y84				
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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	G11	Rotary pulse encoder Sendix 5020 (HTL)
F01	Mounting of holding brake	R62	Cast iron auxiliary terminal box (small)
F11	Brake supply voltage, 230 V AC, 50/60 Hz	Y82	Auxiliary name plate with customer data Da specificare in fase d'ordine
F70	Mounting of separately driven fan	Y84	Additional data on the rating plate and on the packing label : XYZ


Additional information:

Brake:

Description:	BFK458-25	Current:	0.55 A
Voltage:	AC 230 V	Moment of inertia:	0.020000 kgm ²



Notes:

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