

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



Motor type : 1CV3205B

SIMOTICS SD - 200 L - IM B3 - 4p

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⁾			cosφ ³⁾			I _A /I _N I _I /I _N	M _A /M _N T _I /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	30.00	-/-	55.00	1470	195.0	93.6	94.0	93.7	0.84	0.80	0.71	7.3	2.6	3.1	IE3
690	Y	50	30.00	-/-	32.00	1470	195.0	93.6	94.0	93.7	0.84	0.80	0.71	7.3	2.6	3.1	IE3
460	Δ	60	34.50	-/-	55.00	1770	186.0	93.0	93.3	92.9	0.85	0.81	0.73	7.3	2.4	3.0	IE2
460	Δ	60	30.00	-/-	48.00	1778	161.0	94.1	94.2	93.6	0.83	0.79	0.70	8.8	2.6	3.5	IE3
IM B3 / IM 1001		FS 200 L		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN									
Environmental conditions : -20 °C - +40 °C / 1,000 m										Locked rotor time (hot / cold) : 28.6 s 43.8 s							

Mechanical data



Sound level (SPL / SWL) at 50Hz 60Hz	65 / 72 dB(A) ²⁾	67 / 74 dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.2400 kg m ²		Thermal class	F
Bearing DE NDE	6212 Z C3	6212 Z 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)	240 kg
Grease nipple	No		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	Yes (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	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	2 glands, 2 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
M_K/M_N = locked rotor torque / torque nominal
M_B/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 
	document type datasheet	document status released		document number	
	title 1LE1503-2AB53-4AB4-Z R18+Y82		rev. 01		
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Special design

R18	Cable gland metal, max. number	Y82	Auxiliary name plate with customer data
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