

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

Motor type: 7CV3205A **SIMOTICS SD - 200L - IM B3 - 2 p**

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	M	$\eta^{3)}$			$\cos\phi^{3)}$			I_A/I_N	M_A/M_N	M_K/M_N	IE-CL
[V]±10%		[Hz]±5%	[kW]	[hp]	[A]	[1/min]	[kgf.m]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4				

Motordaten / Motor Data

415	Δ	50	37.00	-/-	65.00	2960	12.0	119.0	93.8	93.5	92.0	0.85	0.81	0.71	7.3	2.5	3.3	IE3
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IM B3 / IM 1001	FS 200L	235 kg	SF:1	IS 12615 / IEC 60034-1	-
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Environmental conditions : -20 °C - +50 °C / 1,000 m

Locked rotor time (hot / cold) : 12 s | 24 s

Mechanical data

Sound pressure level 50Hz 60Hz	77 dB(A)	82 dB(A)	External earthing terminal	Yes (standard)
Moment of inertia Rotor GD ²	0.1564 kg m ² 0.6256 kgf.m ²		Vibration severity grade	A (Standard)
Bearing DE NDE	6312 2Z C3	6312 2Z C3	Insulation	155(F) utilized to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad,max} according catalogue 50 60Hz ¹⁾	20.000 h	16.000 h	Direction of rotation	Bidirectional
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	50.000 h	40.000 h	Frame material	Cast iron
Type of bearing	Locating (fixed) bearing, NDE		Forced ventilation motor details	- / -
Relubrication interval/quantity DE NDE	- / - g - / - g - / - h		Net weight of the motor (IM B3)	235 kg
Type of construction	IM B3 / IM 1001		Rotor weight	51 kg
Degree of protection	IP55		Data of anti condensation heating	- / V, - / W
Lubricants	Esso Unirex N3		Coating (paint finish)	Standard paint finish
Regreasing device	- / -		Color, paint shade	RAL7030
Grease nipple	- / -		Motor protection	(A) without
Condensate drainage holes	Yes		Method of cooling	IC411 - Self ventilated, surface cooled

Terminal box




Terminal box position	Top	Cable diameter from ... to ...	27.0 mm - 35.0 mm
Material of terminal box	Cast iron	Cable entry	2xM50x1.5
Type of terminal box	TB1 L01	Cable gland	2 Plugs
Contact screw thread	M6		
Max. cross-sectional area	35 mm ²		

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

3) Value is valid only for DOL operation with motor design IC411

1) L10mh according to DIN ISO 281 10/2010

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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