

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



Motor type : 1CV3205B

SIMOTICS SD - 200 L - IM B35 - 4p

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	η ³⁾			cosφ 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 _I /I _N	T _I /T _N	T _B /T _N	
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 B35 / IM 2001		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) : 29.4 s 45 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	65 / 72 dB(A) ^{2) 3)}	67 / 74 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.2400 kg m ²		Vibration severity grade	A
Bearing DE NDE	6312 C3	6312 C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad} ¹⁾ for coupling operation 50 60Hz	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	20 g 20 g 8000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	240 kg
Regreasing device	With regreasing nipple		Coating (paint finish)	Special paint finish C3
Grease nipple	M10x1 DIN 71412 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Condensate drainage holes	With (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 L61	Cable entry	2xM50x1,5-2xM20x1,5
Contact screw thread	M6	Cable gland	4 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.	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						
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Special design

H01	Bolted on mounting feet (instead of cast)	R52	Drilled removable entry plate
L19	Regreasing device with regreasing nipple M10X1 acc.to DIN 71412-A		

Notes:

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