

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



Motor type : 1CV1205C

SIMOTICS SD - 200 L - IM B3 - 6p

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		
500	Δ	50	22.00	-/-	36.00	980	215.0	89.2	90.0	89.6	0.79	0.74	0.62	6.8	2.8	2.9	IE1	
575	Δ	60	26.50	-/-	36.00	1180	215.0	91.7	92.4	92.1	0.81	0.77	0.67	6.9	2.7	2.7	IE1	
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) : 9.27 s 16.4 s									

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	59 / 72 dB(A) ²⁾	61 / 74 dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.3000 kg m ²		Insulation	155(F) to 130(B)
Bearing DE NDE	NU 212	6212 C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} , F _{Rad min} 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	220 kg
Regreasing device	No		Coating (paint finish)	Special paint finish, resistant to salt-laden air C4
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	Yes (standard)			

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
Contact screw thread	M6	Cable gland	2 plugs

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	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
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Special design

D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)	R12	Terminal box rotated through 180°
L22	Bearing design for increased cantilever forces	S03	Special paint finish in sea air resistant C4

Notes:

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