

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



Motor type : 1CV2204A

SIMOTICS SD - 200 L - IM B3 - 2p

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⁾			$\cos\phi$ 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				
380	Δ	50	30.00	-/-	57.00	2960	97.0	92.0	92.3	91.8	0.87	0.83	0.75	6.9	2.5	3.3	IE2
660	Y	50	30.00	-/-	33.00	2960	97.0	92.0	92.3	91.8	0.87	0.83	0.75	6.9	2.5	3.3	IE2
440	Δ	60	33.50	-/-	55.00	3560	90.0	92.4	92.4	91.5	0.87	0.84	0.76	6.9	2.5	3.3	IE2
440	Δ	60	30.00	-/-	50.00	3565	80.0	91.7	91.5	90.3	0.86	0.82	0.73	7.7	2.9	3.8	IE2
IM B3 / IM 1001		FS 200 L		200 kg		IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 21.3 s | 36 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	78.0 / 85.0 dB(A) ²⁾	81.0 / 89.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.1300 kg m ²		Vibration severity grade	A
Bearing DE NDE	6212 Z C3	6212 Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	Unirex N3		Frame material	cast iron
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
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

Terminal box

Terminal box position	top	Max. cross-sectional area	25.0 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	27.0 mm - 35.0 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	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>			
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Special design

D22 motor without CE character for export outside the EEA (see EU regulation 640/2009)

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