

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



Motor type : 1CV3204A

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_l/I_N	M_A/M_N T_l/T_N	M_K/M_N T_B/T_N	IE-CL
500	Δ	50	30.00	-/-	42.50	2955	97.0	93.3	93.5	92.9	0.87	0.84	0.76	7.0	2.5	3.3	IE3
575	Δ	60	33.50	-/-	41.50	3555	90.0	93.0	92.8	91.4	0.87	0.84	0.77	7.1	2.5	3.3	IE3
575	Δ	60	30.00	-/-	37.50	3560	80.0	92.4	91.9	90.1	0.87	0.84	0.77	8.5	3.0	3.7	IE3
IM B3 / IM 1001		FS 200 L		225 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

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

Locked rotor time (hot / cold) : 32 s | 52.3 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	73.0 / 80.0 dB(A) ²⁾	78.0 / 86.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.1340 kg m ²		Vibration severity grade	A
Bearing DE NDE	6312 C3	6312 C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	20 g 4000 h	20 g 4000 h	Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Special paint finish C3
Regreasing device	Yes (standard)		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

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	2xM50x1,5-2xM20x1,5
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_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

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