

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



Motor type : 1CV1204A

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	M_A/M_N	M_K/M_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I_i/I_N	T_i/T_N	T_B/T_N	
400	Δ	50	26.10	-/-	54.00	2965	84.1	90.8	90.6	89.5	0.76	0.70	0.59	8.4	2.9	4.1	IE1
690	Y	50	26.10	-/-	31.50	2965	84.1	90.8	90.6	89.5	0.76	0.70	0.59	8.4	2.9	4.1	IE1
460	Δ	60	29.14	-/-	51.00	3565	78.1	91.6	91.3	90.0	0.79	0.73	0.63	8.7	3.1	4.1	IE1
IM B3 / IM 1001		FS 200 L		195 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +55 °C / 1,000 m

Locked rotor time (hot / cold) : 12.6 s | 23.8 s

These values are calculated. The final rating plate data will be calculated when the order is placed

The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	72.0 / 85.0 dB(A) ²⁾	77.0 / 90.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.1240 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)	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

Terminal box

Terminal box position	top	Max. cross-sectional area	35.0 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	- / -
Contact screw thread	M8	Cable gland	- / -

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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.
DI MC LVM		DT Configurator		

	document type	document status	customer	
	datasheet	released		
	title	document number		
	1LE1502-2AA43-4AA4-Z B02+D22+N07+N31+R50+S03+Y61			
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B02	Acceptance test certificate 3.1 acc. to EN 10204	R50	Larger terminal box
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)	S03	Special paint finish in sea air resistant C4
N07	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 55°C, power reduced	Y61	Non-standard threaded through hole (NPT or G thread)
N31	Increased air humidity/temperature with 60 to 100 g water per m3 air		

Notes:

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