

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



Motor type : 1CV1205A

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]	$\Delta / Y$	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta$ <sup>3)</sup>			$\cos \phi$ <sup>3)</sup>			$I_A/I_N$	$M_A/M_N$	$M_K/M_N$	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
400	$\Delta$	50	37.00	-/-	67.00	2955	120.0	91.2	91.6	91.2	0.88	0.86	0.79	8.2	2.7	3.5	IE1
690	Y	50	37.00	-/-	38.50	2955	120.0	91.2	91.6	91.2	0.88	0.86	0.79	8.2	2.7	3.5	IE1
460	$\Delta$	60	41.50	-/-	64.00	3555	111.0	91.7	92.0	91.6	0.89	0.87	0.81	8.3	2.8	3.5	IE1

IM B3 / IM 1001	FS 200 L	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Environmental conditions : -20° C - +40° C / 1000 m

Locked rotor time (hot / cold) : 10.9 s | 20.3 s

## Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	72 / 85 dB(A) <sup>2)</sup>	77 / 90 dB(A) <sup>2)</sup>	Vibration severity grade	A
Moment of inertia	0.1500 kg m <sup>2</sup>		Insulation	155(F) to 130(B)
Bearing DE   NDE	6212 Z C3	6212 Z C3	Duty type	S1
<b>bearing lifetime</b>			Direction of rotation	bidirectional
$L_{10mh}$ $F_{Rad min}$ for coupling operation 50 60Hz <sup>1)</sup>	40000 h	32000 h	Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	230 kg
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
External earthing terminal	Yes (standard)			

## Terminal box

Terminal box position	top	Cable diameter from ... to ...	27 mm - 35 mm
Material of terminal box	cast iron	Cable entry	2xM50x1,5
Type of terminal box	TB1 L01	Cable gland	2 plugs
Contact screw thread	M6		
Max. cross-sectional area	25 mm <sup>2</sup>		

# CONTROLMAKERS.IR

### 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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