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

Motor type : 1CV2205A **SIMOTICS SD - 200 L - IM B3 - 2p**

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Safe Area

Electrical data **-/-**

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η 3) 4/4	η 3) 3/4	η 3) 2/4	cosφ 3) 4/4	cosφ 3) 3/4	cosφ 3) 2/4	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
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	37.00	-/-	66.00	2960	119.0	92.5	93.0	92.7	0.88	0.85	0.77	7.4	2.7	3.5	IE2
690	Y	50	37.00	-/-	38.00	2960	119.0	92.5	93.0	92.7	0.88	0.85	0.77	7.4	2.7	3.5	IE2
460	Δ	60	41.50	-/-	64.00	3560	111.0	93.0	93.2	92.6	0.88	0.85	0.78	7.3	2.9	3.5	IE2
460	Δ	60	37.00	-/-	58.00	3565	99.0	92.4	92.4	91.5	0.87	0.83	0.75	8.1	3.3	3.8	IE2
IM B3 / IM 1001		FS 200 L			IP55	UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +40 °C / 1000 m | Locked rotor time (hot / cold) : 15.8 s | 28.7 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	78 / 85 dB(A) 2) 3)	82 / 89 dB(A) 2) 3)	
Moment of inertia	0.1500 kg m²		
Bearing DE | NDE	6212 2Z C3	6212 2Z C3	
bearing lifetime			
L_{10mh} $F_{Rad\ min}$ for coupling operation 50|60Hz 1)	40000 h	32000 h	
Regreasing device	Without		
Grease nipple	-/-		
Type of bearing	Locating bearing NDE		
Condensate drainage holes	With (standard)		
External earthing terminal	With (standard)		

Vibration severity grade	A
Thermal class	F
Duty type	S1
Direction of rotation	bidirectional
Frame material	cast iron
Net weight of the motor (IM B3)	225 kg
Coating (paint finish)	Standard paint finish C2
Color, paint shade	RAL7030
Motor protection	(A) without (Standard)
Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	25 mm²
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

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) L_{10mh} 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

Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

Responsible department	Technical reference	Created by	Approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
IN LVM		SPC	Created automatically		

SIEMENS

Document type	Document status
Technical data sheet	Released
Document title	**Document number**
1LE1501-2AA53-4AA4-Z	TDS-240731-083450
D22	

Restricted	Revision	Creation date	Language	Page
© Innomotics 2024	AA	2024-07-31	en	1/2

Branding disclaimer applies

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

Motor type : 1CV2205A **SIMOTICS SD - 200 L - IM B3 - 2p**

Special design

D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)

Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.