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

<u>Data</u>	sheet	<u>for tl</u>	hree-ph	ase Squi	irrel-Cag	<u>ge-Moto</u>	rs SIMO	<u>TICS</u>							Ð			
Motor type : 1CV4315B						SIMOTICS SD - 315 L - IM B3 - 4p												
Client order no.					lt	item-No.						Offer no.						
Order no.						Consignment no.					Proje	Project						
Remarks											Saf	e Are	a					
Electric	cal data	a									-/-							
U	Δ/Υ	f	Р	Р		n	М		η 3)	I		cosφ	1	I <sub>A</sub> /I <sub>N</sub>	1	M <sub>K</sub> /M <sub>N</sub>	IE-CL	
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I <sub>I</sub> /I <sub>N</sub>	$T_I/T_N$	$T_{B}/T_{N}$		
400	•	50	200.00		250.00		L duty (S1	1				0.07	0.70		2.4	2.4	154	
400 690	∆ Y	50 50	200.00	-/-	350.00 205.00	1490 1490	1280.0 1280.0	96.7	96.9 96.9	96.8 96.8	0.85	0.82		7.8	3.4 3.4	3.1 3.1	IE4	
460	Δ	60	200.00	-/-	305.00	1791	1070.0	96.5	96.9	96.8	0.85	0.8		9.5	3.7	3.4	IE4	
460	Δ	60	230.00	-/-	345.00	1788	1230.0	96.8	97.0	96.8	0.85	0.8		8.2	3.2	3.0	IE4	
100		00	250.00	1	515.00	1700	1250.0	0.0	57.0	50.0	0.00	0.0.	0.75	0.2	5.2	5.0		
IM B3 / I	M1001		FS 315	Ĺ		IP55 UKCA IEC/EN 60034					IEC, DIN, I	EC, DIN, ISO, VDE, EN						
		Enviror	nmental co	onditions :	-20 °C - +4	+40 °C / 1000 m Locke				ked rot	ed rotor time (hot / cold) : 26.6 s   41.9 s							
Mecha	nical d	ata																
Sound	level (SF	PL / SWL)	at 50Hz[60	Hz 69	/ 83 dB(A) 2)	3) 73/	88 dB(A) <sup>2) 3)</sup>	Exte	ernal earth	ning term	inal			(Sta	andard) Ye	es		
						(2) 3) 73 / 88 dB(A) (2) 3) External earthing termina   4.3700 kg m <sup>2</sup> Vibration severity grade					Grade A							
					6319 C3	6319 C3 Thermal class					F							
						x <sub>0,5</sub> : 8650	x <sub>max</sub> : 8000					S1						
(N) 9300					300	8650 8000 Duty type Direction of rotation					bidirectional							
bearing lifetime L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation 40000 h					40000 h	32000 h Frame material					cast iron							
Relubrication interval/quantity DE						40 g   40 g					or							
NDE Lubricants					1	6000 h Vet weight of the motion UNIREX N3 Coating (paint finish)				51	Standard paint finish C2							
						lubricating nipple Color, paint shade					RAL7030							
5 5					51	0x1 DIN 3404 A Motor protection					3 PTC thermistors - for tripping (2 terminals)							
											IC411 - self ventilated, surface cooled							
						ting bearing NDE Method of cooling					ict i i sen ventilated, surface cooled							
contact	isute un	annage n	0103		(5)	itandard) Yes												
Termin	al box																	
Termin	al box p	osition			bo	x at the top		Max	. cross-se	ctional ar	ea			2	240 mm <sup>2</sup>			
Material of terminal box						cast iron Cable diameter from to				. to	9 34 mm - 45 mm							
Type of terminal box						TB1Q01 Cable entry						2xM63x1,5 - 2xM20x1,5						
Contact screw thread						6xM12 Cable gland						4 plugs						
$M_A/M_N = loc$ $M_K/M_N = brown$	cked rotor t eak down t	orque / nom	que nominal ninal torque	2	) L <sub>10mh</sub> according ) at rated power	/ at full load							DOL operation wi					
Transmi	ittal, reproc	tuction, dise	semination and/	or editing of this			f its contents and patent grant or re						on are prohibited	. Offenders	will be held lia	able for pay	ment of	
Responsible department Technical reference					erence	SPC Created automatically discre			repancies be	al data are subject to change! There may be ancies between calculated and rating plate				Link documents				
IN LVM Document type				pe	SFC Created automatically values.					Document status								
Restricted					et					Released								
									Docu	Document number								
				AB4-Z				TDS	TDS-240509-122607				\$292 <b>\$</b>	57 <del>(</del> )				
									Revis	ion	Creation date		Languag	e Page				
© Innomotics 2024											AA		2024-05-0	19	en	1/2		

Branding disclaimer applies

Motor type : 1CV4315B

SIMOTICS SD - 315 L - IM B3 - 4p



Special design

L04 Shaft end with standard dimensions without keyway

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 IN LVM	Technical reference Created by SPC		(approved b)		crepancies between calculated and rating plate			ents Carlos III	
	Document type		Document s	tatus					
SIEMENS	Technical data sheet	t	Released						
SIEIVIEINS	Document title		Document r	number	- 翻翻				
	1LE5504-3AB53-4AB4-Z					509-122607			
Restricted L04						Creation date	Language	Page	
© Innomotics 2024					AA	2024-05-09	en	2/2	

Branding disclaimer applies