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

<u>Data</u> :	sheet	<u>t for tl</u>	hree-ph	ase Squi	<u>irrel-Cac</u>	je-Moto	ors SIMO	<u>FICS</u>							-)			
Motor	type :	1CV43	12B			SI	MOTICS SE	) - 315 N	I - IM B5	- 4p					N.	S		
Client order no.				lt	Item-No.					Off	Offer no.							
Order no.					C	Consignment no.					Pro	Project						
Remarks					I													
Electric	al dat	а									Sa -/-	fe Are	ea					
U	Δ/Υ	f	Р	Р		n	М		η <sup>3)</sup>			cos	(5 <b>J</b>	I <sub>A</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub>	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/			$T_{I}/T_{N}$	$T_{\rm B}/T_{\rm N}$		
						DC	DL duty (S1	) - 155(I	-) to 130	)(B)						1		
400	Δ	50	132.00	-/-	235.00	1490	850.0	96.4	96.6	96.3	0.85	0.8	81 0.7	8 8.2	3.3	3.2	IE4	
690	Y	50	132.00	-1-	135.00	1490	850.0	96.4	96.6	96.3	0.85	0.8	31 0.7	3 8.2	3.3	3.2	IE4	
460	Δ	60	132.00	-1-	205.00	1791	700.0	96.5	96.5	95.9	0.84	0.8	30 0.7	1 9.2	3.6	3.6	IE4	
460	Δ	60	152.00	-/-	235.00	1790	810.0	96.5	96.6	96.3	0.85	0.8	32 0.7	4 8.1	3.2	3.1	IE4	
IM B5 / II	M3001		FS 315 N	v		IP55	UKCA	IEC/EN	60034		IEC, DIN,	ISO, VD	E, EN					
		Enviror	nmental co	onditions :	-20 °C - +4	40 °C / 10	)00 m			Lo	ocked ro	tor tin	ne (hot / d	old) : 25.	4 s   39.	5 s		
Mecha	nical d	ata																
Sound	level (SF	PL / SWL)	at 50Hz 60	)Hz 67	/ 81 dB(A) 2)	) 3) 72 /	86 dB(A) 2) 3)	Exte	ernal earth	ning terr	ninal			(St	andard) Y	es		
Moment of inertia 2				2.9100 kg m <sup>2</sup> Vibration severity grade				de	Grade A									
Bearing DE   NDE 6319 C3					6319 C3	6319 C3 Thermal class					F							
permiss (N)	sible late	eral force	e on (N)	c	x <sub>0</sub> : 9300	x <sub>0,5</sub> : 8650						S1						
	g lifetin	ne		,	500	Direction of rotation					bidirectional							
L <sub>10mh</sub> F <sub>F</sub>	tad min for	r couplin	g operation	ı	40000 h	32000 h Frame material					cast iron							
Relubri	cation in	nterval/q	uantity DE	]	4	40 g   40 g				tor	991 kg							
Lubrica	nts				ι	6000 h UNIREX N3 Coating (paint finish)					Standard paint finish C2							
	sing dev	vice				e lubricating nipple Color, paint shade					RAL7030							
5 5 5						0x1 DIN 3404 A Motor protection					3 PTC thermistors - for tripping (2 terminals)							
		נ				ting bearing NDE Method of cooling					IC411 - self ventilated, surface cooled							
					Standard) Yes								intinated, s		, orea			
Termin	al box																	
					ho	x at the top		Мах	cross-se	ctional	area				240 mm <sup>2</sup>			
Terminal box position b					cast iron Max. cross-sectional area													
Type of terminal box					TB1Q01 Cable entry				to	2xM63x1,5 - 2xM20x1,5								
Contact screw thread					6xM12 Cable gland						4 plugs							
	ked rotor t		ue nominal		) L <sub>10mh</sub> according ?) at rated power		10/2010			3)	Value is vali	d only for	DOL operation	n with motor de	esign IC411			
Transmi	ttal, reprod	duction, dise	semination and/o	or editing of this			of its contents and v patent grant or re						tion are prohib	ited. Offenders	will be held l	able for pay	ment of	
Responsit	ole depar	tment		Technical refe	erence	Created by		Approved	by			-	-	There may be	Link doc	uments		
IN LVM					SPC Created automatically discrepa					ancies between calculated and rating plate								
SIEMENS Document type Technical data shee Document title 1LE5504-3AB23-4				pe						Doc	Document status Released Document number							
				data sheet					Rel									
											621-0837							
Restricted F74+M11+Q31				51							sion	Creation d		Languag				
© Innomotics 2024											AA		2024-06	p-21	en	1/2		

Branding disclaimer applies

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS												
Motor typ	e :1CV4312B		SIMOTICS S	D - 315 M - IM B			-					
Special de	sign											
F74	Sheet steel fan cowl			Q31 1	1/3 Bi-me	tallic sensors (	opener) for tripping (2 t	erminals)				
M11	Stainless steel rating	plate										
Responsible d		d/or editing of this document as w damages. All Technical reference	rights created by patent grant or Created by	registration of a utility mod Approved by	lel or design Teo dis	patent are reserved chnical data are su screpancies betwee		vill be held liable				
IN LVM		Decument	SPC	Created automati		lues.						
		Document type	+				Document status Released					
SIE	MENS						t number					
			1LE5504-3AB23-4FB4-Z									
Restricted		F74+M11+Q31	<i>U</i> , <i>L</i>			Revision	0621-083742 Creation date	Language	Page			
© Innomo	tics 2024					AA	2024-06-21	en	2/2			

Branding disclaimer applies