

<u>Data</u>	sheet	for t	hree-ph	ase Squi	rrel-Cag	je-Moto	rs SIMOT	<u>ICS</u>									·	
Motor	type :	1CV42	80B			SI	MOTICS SD	- 280 S	- IM V1	- 4p						1		
Client order no.					It	em-No.					Offe	Offer no.						
Order no.					C	Consignment no.					Proje	Project						
Remarks												e Area						
Electric	cal data	a									-/-	e Area	1					
U	Δ/Υ	f	Р	Р	I	n	М		η ³⁾			cosφ	3)	I _A /I _N	M _A /M _N	M _K /M _N	IE-CL	
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N		
						DC	L duty (S1)	- 155(F) to 130	(B)						1		
380	Δ	50	75.00	-/-	136.00	1490	480.0	96.0	96.2	96.0	0.87	0.84		8.5	2.8	3.4	IE4	
660	Y	50	75.00	-/-	79.00	1490	480.0	96.0	96.2	96.0	0.87	0.84		8.5	2.8	3.4	IE4	
440	Δ	60	75.00	-/-	119.00	1792	400.0	96.2	96.2	95.7	0.86	0.82		10.0	3.2	3.8	IE4	
440		60	86.00	-/-	135.00	1790	460.0	96.2	96.4	96.1	0.87	0.85	0.78	8.9	2.8	3.3	IE4	
IM V1 / II	M3011		FS 280 S			IP55	UKCA	IEC/EN	60034		IEC, DIN, IS	SO, VDE,	EN				1	
		Enviror	ımental co	nditions :	-20 °C - +4	+40 °C / 1000 m Lock				ocked ro	ked rotor time (hot / cold) : 32.7 s 46 s							
Mecha	nical d	ata																
Sound	level (SF	PL / SWL)	at 50Hz 60	Hz 64	78 dB(A) ²⁾	⁽³⁾ 67.1	82 dB(A) ^{2) 3)}	Exte	rnal earth	nina term	inal			(St:	andard) Ye	es		
	nt of ine		at 30/12/00	112 041						=		I (Standard) Yes Grade A						
Bearing				í	316 C3 S0	1.7400 kg m ² Vibration severity grade					Grade A							
permiss		eral force	e on (N)		x ₀ : 600						F S1							
(N) bearing	g lifetin	ne		8	600	X _{0,5} : X _{max} : Duty type Direction of rotation					bidirectional							
			ig operation		20000 h	16000 h Frame material					cast iron							
Relubri	lz ¹⁾ cation ir	nterval/q	uantity DE			30 g 30 g 8000 h Net weight of the motor				or	620 kg							
						West weight of the mote UNIREX N3 Coating (paint finish)				OI.	Standard paint finish C2							
Lubricants Regreasing device Flat type						lubricating nipple Color, paint shade					RAL7030							
3						0x1 DIN 3404 A Motor protection					3 PTC thermistors - for tripping (2 terminals)							
11						ting bearing NDE Method of cooling					IC411 - self ventilated, surface cooled							
''	31					Standard) Yes							ICTII	Jen ver	itilatea, si	urrace ec	Joicu	
Termin	al box																	
Termin	al box n	osition			ho	x at the top		Max	Cross-se	ctional ar	·ea				120 mm ²			
Terminal box position b Material of terminal box					ox at the top Max. cross-sectional area cast iron Cable diameter from to													
Type of terminal box					TB4N01 Cable entry						2xM63x1,5 - 2xM20x1,5							
Contact screw thread						6xM10 Cable gland						-/-						
$M_A/M_N = loc$ $M_K/M_N = bre$	cked rotor t eak down t	orque / nom	que nominal ninal torque	2)	L _{10mh} according at rated power	l at full load							OL operation wi					
iransmi	ictai, reproc	auction, diss	semmation and/o	n eurung of this			of its contents and of patent grant or re						ii are pronibited	. Onenders	wiii be neid li	avie for pay	ment of	
Responsible department Technical reference IN LVM Document type				erence					repancies be	al data are subject to change! There may be ancies between calculated and rating plate Document status				Link documents				
				oe .														
Technical data sheen Document title 1LE5504-2DB03-3					et						Released Document number							
										Docu								
				2DB03-3G	jB4-Z				TDS	TDS-240603-153845								
Restricted N30									Revis	Revision Creation date Language			je Page					
© Innomotics 2024											AA		2024-06-0	13	en	1/2		

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



Motor type : 1CV4280B		SIMOTICS SD	- 280 S - IM V1 - 4p					
Special design								
	y/temperature with 30 to	60 g water per m3 air						
nicieasea ali fiatiliati	systemperature with 50 to	oo g water per mo an						
Transmittal, reproduction, dissemination an	d/or editing of this document as we	ell as utilization of its contents and	communication thereof to others	without ext	oress authoriza	ion are prohibited. Offenders v	vill be held liable	for payment o
		rights created by patent grant or re						
Responsible department	Technical reference	Created by	Approved by			ect to change! There may be	Link docume	<u>ents</u>
N LVM		SPC	Created automatically	discrepan values.	icies between	calculated and rating plate	■9 68	
	Document type			_	Document s	tatus	75.0	
	Technical data sheet	t			Released		7000	
SIEMENS	Document title	•		Document r	umbor	200		
		D 4 - 7					H WIL	
	1LE5504-2DB03-3GI	B4-∠				503-153845		
Restricted	N30				Revision	Creation date	Language	Page
© Innomotics 2024					AA	2024-06-03	en	2/2