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



Client order no. / Client order no. / Client order no. / Order no. Remarks / Remarks Electrical data		no.			em-No. / Iter	m-No.				Offe	r no. / Offe	r no.						
Remarks / Remarks				Co	onsignment i						Offer no. / Offer no.							
						Consignment no. / Consignment no.				Proje	Project / Project							
Electrical data				<u> </u>														
Electrical data										Saf	e Area							
Electrical data / Electrical data										-/-								
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			
					OL duty	(S1) / DOL c	luty (S1)	- 155(F) to 130	(B)								
400 Δ	50	75.00	-/-	133.00	1490	480.0	96.0	96.1	95.6	0.85	0.81	0.70	9.2	3.4	3.8	IE4		
690 Y	50	75.00	-/-	77.00	1490	480.0	96.0	96.1	95.6	0.85	0.81	0.70	9.2	3.4	3.8	IE4		
460 Δ	60	86.00	-/-	132.00	1788	460.0	96.2	96.2	95.6	0.85	0.81	0.72	9.1	3.4	3.6	IE4		
460 Δ	60	75.00	-/-	116.00	1791	400.0	96.2	96.0	95.2	0.84	0.79	0.68	10.0	4.0	4.2	IE4		
IM B3 / IM 1001		FS 280 S			IP55	UKCA	IEC/EN	60034		IEC, DIN, I	SO, VDE, EN	١						
Environmen	ntal cor	nditions / E	nvironmenta	conditions:	-20 °C - +	40 °C / 100	00 m	Locked	l rotor ti	me (hot	/ cold)/	Locked roto	or time (ho	ot / cold):	29.9 s	45.6 s		
Mechanical da	ta / Me	chanical	data															
Sound level (SPL			lz 69 l	83 dB(A) 2)	3) 741	88 dB(A) ^{2) 3)}		densate d						ı (standaı				
Sound level (SPL / SWL) at 50Hz 60Hz 69 / 8 Moment of inertia			` ,	.,			Condensate drainage holes External earthing terminal			With (standard) With (standard)								
Moment of inertia				1.7000 kg m²			External earthing terminal Vibration severity grade			With (standard) A								
Bearing DE NDE Bearing DE NDE 6317 C3			6317 C3	6317 C3 Vibration severity gr Vibration severity gr Thermal class			ty grade											
bearing lifetime							Theri	nal class						F				
L_{10mh} $F_{Rad\ min}$ for C_{10mh} $F_{Rad\ min}$ for C_{10mh}	coupling	operation		40000 h		32000 h	Duty Duty	type type						S1				
$L_{10mh} F_{Rad min}$ for coupling operation 50 60Hz			4000011	Direction of			ction of re						I					
Relubrication interval/quantity DE NDE			30	30 g 30 g Frame material			al	cast iron										
Relubrication interv	val/quant	ity DE NDE			8000 h		Net	weight of	the mot)			cast iron 670 kg				
Lubricants Lubricants				Unirex N3 Net weight of the mote Coating (paint finis					M B3)	Special paint finish C3								
Regreasing device Wi							ng (paint finish) Speci r, paint shade						al paint finish C3					
Grease nipple Grease nipple					0x1 DIN 3404 A Color, paint shade					RAL7030 (B) 3 PTC thermistors - for tripping (standard) (2						rd) (2		
Type of bearing					tating bearing DE Motor protection					(B) 3 PTC (Hermistors - for tripping (standard) terminals) (B) 3 PTC thermistors - for tripping (standard) (2								
Type of bearing Bearing insulatio	on DE / B	earing		Locat	ing bearing	DE	Moto	r protectio	n		(B)	3 PTC theri		or tripping inals)	(standard)	(2		
insulation NDE Yes				(non-drive end) Method of cooling s (non-drive end) Method of cooling						IC411 - self ventilated, surface cooled IC411 - self ventilated, surface cooled								
NDE																		
Terminal box /	Termi	nal box																
Terminal box positi					top top			. cross-se cross-secti		ea			1	20 mm ²				
Material of terminal box Material of terminal box				cast iron cast iron			Cable diameter from to			34 mm - 45 mm								
Type of terminal box				B1 N01		Cabl	Cable entry					2xM63x	1,5-2xM2	0x1.5				
Type of terminal box Contact screw thread					M10 Cable entry				le gland				4 plugs					
Contact screw three	ad				IVITO		Cable	e gland						4 plugs				

$M_A/M_N = \text{locked rotor torque} / \text{torque nominal}$ $M_K/M_N = \text{break down torque} / \text{nominal torque}$	2) at rated power	/ at full load							
responsible dep.	technical reference	created by	approved by		ect to change! There may be calculated and rating plate	Link documents			
IN LVM		SPC		values.	ncies between				
	document type datasheet					tatus			
SIEMENS									
SICIMICIA	title 1LE1604-2DB03-4AB4-Z					umber			
	B02+L51				rev.	creation date	language	Page	
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Motor type / Motor type : 1CV4280B SIMOTICS SD - 280 S - IM B3 - 4p

Notes:

Acceptance test certificate 3.1 acc. to EN 10204 Acceptance test certificate 3.1 acc. to EN 10204 B02

L51

Bearing insulation NDE Bearing insulation NDE

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate			ents		
IN LVM		SPC		values.	ncies between	calculated and rating plate			
	document type datasheet					tatus			
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	1LE1604-2DB03-4AB4-Z						■10%234425048		
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