

				ise Squi	rrel-Cag		rs SIMOT		IM DO	45							,	
Motor type : 1CV4312B Client order no.						SIMOTICS SD - 315 M - IM B3 - 4p					Offe	Offer no.						
Order no.						Consignment no.					Proje	Project						
Remarks Electric	al data	a									Saf -/-	e Area	a					
U	Δ/Υ	f	Р	P	ı	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		I _I /I _N	T _I /T _N	T _B /T _N		
DOL duty (S1) - 180(H) to 130(B)																		
415	Δ	50	132.00	-/-	225.00	1490	850.0	96.4	96.6	96.3	0.85	0.81	0.73	8.2	3.3	3.2	IE4	
480	Δ	60	132.00	-/-	196.00	1791	700.0	96.5	96.5	95.9	0.84	0.80	0.71	9.2	3.6	3.6	IE4	
480	Δ	60	152.00	-/-	225.00	1790	810.0	96.5	96.6	96.3	0.85	0.82		8.1	3.2	3.1	IE4	
IM B3 / IM	И1001		FS 315 M	1	20.06				IEC/EN 60034 IEC, DIN, ISO, VE									
	Environmental conditions: -20 °C - + °C / 1000 m Locked rotor time (hot / cold): 25.4 s 39.5 s																	
Mechar																		
			at 50Hz 60H	łz 67 /	/ 81 dB(A) ²⁾													
Momen					6319 C3	9100 kg m²	6310 C3		Vibration severity grade				Grade A					
Bearing permiss			e on (N)	_:	x ₀ : 300	x _{0,5} : 8650	6319 C3 x _{max} : 8000	Thermal class							H S1			
(N) bearing	ı lifetim	ne		9.	300	8650 8000 Duty type Direction of rotation					bidirectional							
			g operation		40000 h						cast iron							
L _{10mh} F _{Rad min} for coupling operation 40000 h 50 60Hz ¹⁾ Lubricants								Net	weight of	the mot	or	942 kg						
Regreasing device Flat type					Flat type lu	e lubricating nipple Coating (paint finish)					Standard paint finish C2							
Grease nipple M ²				M10x	0x1 DIN 3404 A Color, paint shade				hade	RAL7030								
	Type of bearing Local					ting bearing NDE Motor protection					1 temperature sensor KTY84-130 (2 terminals) IC416 - separately ventilated, surface							
Conden		inage h	oles		(Sta	andard) Yes	i 	Met	nod of co	oling			10410	зериги	cooled			
·					cast iron Max. cross-sectional area Cable diameter from to													
Material of terminal box Type of terminal box					TB1Q01 Cable entry				. 10	2xM63x1,5 - 2xM20x1,5								
Contact screw thread					6xM12 Cable gland						•		4 plugs	-0X1,5				
I _A /I _N = locker M _A /M _N = lock M _K /M _N = brea	ked rotor to ak down to	orque / torq orque / nom	ue nominal ninal torque	2)	L _{10mh} according at rated power /	at full load							OL operation wi					
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Responsible department Technical ref			Technical refe	erence	Created by		Approved				al data are subject to change! There may be				<u>Link documents</u>			
IN LVM									Created automatically discrepant values.			ncies between calculated and rating plate						
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				LE5504-3AB23-5AF4-Z							TDS-240526-234428							
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

Special design



Motor type : 1CV4312B SIMOTICS SD - 315 M - IM B3 - 4p

F70	Mounting of separate	ely driven fan		N11 Tem	perature c	lass 180(H)	, and coolant tempera	0°C		
G06	Mounting a rotary pu	lse encoder HOG 10 D 10	24 I							
	3 ,.									
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