

Data	sheet	t for tl	hree-pha	ase Squi	irrel-Cag	ge-Moto	rs SIMOT	<u> ICS</u>									,	
Motor	type :	1CV43	12B			SI	MOTICS SE) - 315 M	- IM B3	- 4p								
Motor type: 1CV4312B Client order no.					It	em-No.				<u> </u>	Offe	Offer no. Project						
Order no.					C	onsignment n	0.				Proje							
Remarks																		
												e Area	1					
Electrical data											-/-	-1-						
U [V]	Δ/Υ	f [Hz]	P [kW]	P [hp]	[A]	n [1/min]	M [Nm]	4/4	η ³⁾ 3/4	2/4	4/4	cosφ 3/4	2/4	I _A /I _N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL	
[v]		[112]	[KVV]	[iih]	[/\]		L duty (S1				4/4	3/4	2/4	N,/I	I I/ I N	I B/ I N		
400	Δ	50	132.00	-/-	235.00	1490	850.0	96.4	96.6	96.3	0.85	0.81	0.73	8.2	3.3	3.2	IE4	
690	Y	50	132.00	-/-	135.00	1490	850.0	96.4	96.6	96.3	0.85	0.81		8.2	3.3	3.2	IE4	
460	Δ	60	132.00	-/-	205.00	1791	700.0	96.5	96.5	95.9	0.84	0.80	0.71	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	0.82	0.74	8.1	3.2	3.1	IE4	
IM B3 /	IM1001		FS 315 M			IP55	UKCA	IEC/EN	60034		IEC, DIN, IS	SO, VDE,	EN					
		Enviror	nmental co	nditions :	-20 °C - +4	+40 °C / 1000 m Lo			Loc	cked rote	or time	(hot / col	d) : 25.	4 s 39.5	5 s			
Mecha	nical d	lata																
Sound	level (SF	PL / SWL)	at 50Hz 60I	Hz 67	/ 81 dB(A) ²⁾	3) 72/	86 dB(A) ^{2) 3)}	Exte	rnal earth	ing term	inal			(Sta	andard) Ye	es		
	nt of ine				2.	2.9100 kg m ² Vibration severit				rity grad	e				Grade A			
Bearing	g DE NI	DE			NU 319		6319 C3	Ther	Thermal class			F						
permis	sible late	eral force	e on (N)	34	x ₀ : 1000	X _{0.5} : X _{max} : Duty type					S1							
bearin	ıg lifetin				1000	Direction of rotation					bidirectional							
L _{10mh} F	Rad min for	r couplin	g operation		40000 h	32000 h Frame material					cast iron							
Relubrication interval/quantity DE				4	40 g 40 g 6000 h Net weight of the motor				or	942 kg								
NDE Lubricants						UNIREX N3 Coating (paint finish)					No paint finish, however with primer							
Regreasing device Flat type				Flat type I	e lubricating nipple			Color, paint shade			RAL7030							
				M10:	0x1 DIN 3404 A Motor protection				ion		3 PTC thermistors - for tripping (2 terminals)							
•				Locati	iting bearing NDE Method of cooling					IC411 - self ventilated, surface cooled								
Conde	nsate dra	ainage h	oles		(St	Standard) Yes												
Termir	nal box	,																
Termir	nal box p	osition			bo	x at the top		Max	. cross-se	ctional ar	rea				240 mm²			
Terminal box position b Material of terminal box					cast iron Cable diameter from				. to	o 34 mm - 45 mm								
Type of terminal box					TB1Q01 Cable entry					2xM63x1,5 - 2xM20x1,5								
Contact screw thread					6xM12 Cable gland								4 plugs	,				
$M_A/M_N = Io$		torque / torc	ent nominal que nominal ninal torque		L _{10mh} according at rated power	to DIN ISO 281 1 / at full load	0/2010			3) V	alue is valid	only for DO	OL operation wi	th motor de	sign IC411			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



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

Special de	esign									
L22	Bearing design for in	creased cantilever forces		S01	No paint finish	, however	with primer			
R12	Terminal box rotated									
		J								
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Responsible d	department	Technical reference	SPC Created automatically disc				ect to change! There may be calculated and rating plate			
IN LVM		1								
		Document type				Document s	status			
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Restricted		L22+R12+S01				Revision	Creation date	Language	Page	
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