

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



Motor type : 1CV3315C

SIMOTICS SD - 315 L - IM V6 - 6p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data

Safe Area

U	Δ / Y	f	P	P	I	n	M	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		
400	Δ	50	132.00	-/-	245.00	992	1270.0	95.4	95.7	95.4	0.82	0.77	0.66	8.0	3.3	3.3	IE3	
690	Y	50	132.00	-/-	141.00	992	1270.0	95.4	95.7	95.4	0.82	0.77	0.66	8.0	3.3	3.3	IE3	
IM V6 / IM 1031			FS 315 L				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1,000 m																		

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	67 / 82 dB(A) ²⁾	66 / 81 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	4.4800 kg m ²		Vibration severity grade	A
Bearing DE NDE	6319 C3	6319 C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} , F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	40 g 40 g	6000 h	Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	1130 kg
Regreasing device	Yes (standard)		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	240 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	38 mm - 45 mm
Type of terminal box	TB1 Q01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M12	Cable gland	4 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque
¹⁾ L10mh according to DIN ISO 281 10/2010
²⁾ at rated power / at full load
³⁾ Value is valid only for DOL operation with motor design IC411

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
DI MC LVM		DT Configurator					
	document type	datasheet		document status	released		
	title	1LE1503-3AC53-4DB4-Z		document number			
© Siemens AG 2021		Q02+Q72		rev.	creation date	language	Page
				01	2021-11-15 17:02	en	1/2

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



Motor type : 1CV3315C

SIMOTICS SD - 315 L - IM V6 - 6p

Special design

Q02	Anti-condensation heating for 230 V (2 terminals)	Q72	2 Pt100 resistance thermometers in basic configuration for bearings (4 terminals)
-----	---	-----	---

Additional information:

Space heaters

Technical data: 1-phase, 230 V 109W

Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by		Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
	document type datasheet				document status released		customer	
	title 1LE1503-3AC53-4DB4-Z				document number			
© Siemens AG 2021	Q02+Q72				rev. 01	creation date 2021-11-15 17:02	language en	Page 2/2