

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



Motor type : 1CV1315A

SIMOTICS SD - 315 L - IM B3 - 2p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	project
Remarks		

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η ³⁾			$\cos\phi$ ³⁾			I_A/I_N I_i/I_N	M_A/M_N T_i/T_N	M_K/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	200.00	-/-	335.00	2982	640.0	94.0	93.9	93.5	0.92	0.91	0.87	7.1	2.2	2.8	IE1
690	Y	50	200.00	-/-	194.00	2982	640.0	94.0	93.9	93.5	0.92	0.91	0.87	7.1	2.2	2.8	IE1
460	Δ	60	224.00	-/-	325.00	3582	600.0	94.1	93.9	93.2	0.92	0.91	0.88	7.1	2.4	2.7	IE1
IM B3 / IM 1001		FS 315 L		1000 kg		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	80.0 / 94.0 dB(A) ²⁾	84.0 / 98.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	2.1000 kg m ²		Vibration severity grade	A
Bearing DE NDE	6316 C3	6316 C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity (AS BS)	30 g 30 g 3000 h		Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	Yes (standard)		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(A) without (Standard)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

Terminal box

Terminal box position	top	Max. cross-sectional area	240.0 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	38.0 mm - 45.0 mm
Type of terminal box	TB1 Q01	Cable entry	2xM63x1,5
Contact screw thread	M12	Cable gland	2 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. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>			
SIEMENS	document type datasheet	document status released		customer			
	title 1LE1502-3AA53-4AA4	document number					
© Siemens AG 2021	rev. 01	creation date 2021-01-17 21:01	language en	Page 1/1			