

SIMOTICS SD - 315 L - IM B35 - 6p

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

Remarks

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	
DOL duty (S1) - 155(F) to 130(B)																	
500	Δ	50	132.00	-/-	182.00	992	1270.0	96.0	96.3	96.3	0.87	0.83	0.74	8.4	2.8	3.5	IE4
IM B35 / IM2001			FS 315 L			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 22.5 s 32.9 s								

Sound level (SPL / SWL) at 50Hz 60Hz	64 / 79 dB(A) ^{2) 3)}	66 / 81 dB(A) ^{2) 3)}	External earthing terminal	(Standard) Yes	
Moment of inertia	5.3200 kg m²		Vibration severity grade	Grade A	
Bearing DE NDE	6319 C3	6319 C3	Thermal class	F	
permissible lateral force on (N) (N)	X ₀ : 10600	X _{0.5} : 9900	X _{max} : 9200	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional	
L _{10mh} F _{Rad, min} for coupling operation 50 60Hz ¹⁾	40000 h	-/-		Frame material	cast iron
Relubrication interval/quantity DE NDE	40 g 40 g 6000 h		Net weight of the motor	1190 kg	
Lubricants	UNIREX N3		Coating (paint finish)	Standard paint finish C2	
Regreasing device	-/-		Color, paint shade	RAL7030	
Grease nipple	-/-		Motor protection	1 temperature sensor KTY84-130 (2 terminals)	
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled	
Condensate drainage holes	(Standard) Yes				

Terminal box position	box at the top	Max. cross-sectional area	240 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	38 mm - 45 mm
Type of terminal box	TB1Q01	Cable entry	2xM63x1,5 - 2xM20x1,5
Contact screw thread	6xM12	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) L_{10mh} 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.		Link documents	
IN LVM		SPC					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE5504-3AC54-0JF4-Z						
© INNOMOTICS 2023	Q11			rev.	creation date	language	Page
				951	2023-12-14	en	1/2

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



Motor type : 1CV4315C

SIMOTICS SD - 315 L - IM B35 - 6p

Special design

Q11

1/3 PTC thermistors - for tripping (2 terminals)

Notes:

responsible dep. IN LVM	technical reference	created by SPC	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents		
	document type datasheet				document status released			
	title 1LE5504-3AC54-0JF4-Z				document number			
© INNOMOTICS 2023	Q11				rev. 951	creation date 2023-12-14		language en