

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



Motor type : 1CV4353B

SIMOTICS SD - 355 L - IM B3 - 4p

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		
DOL duty (S1) - 155(F) to 130(B)																		
400	Δ	50	355.00	-/-	640.00	1492	2250.0	96.7	96.7	96.2	0.83	0.79	0.71	7.9	2.8	2.8	IE4	
690	Y	50	355.00	-/-	370.00	1492	2250.0	96.7	96.7	96.2	0.83	0.79	0.71	7.9	2.8	2.8	IE4	
460	Δ	60	355.00	-/-	550.00	1793	1890.0	96.8	96.6	95.8	0.84	0.80	0.71	9.0	3.5	3.1	IE4	
460	Δ	60	410.00	-/-	630.00	1792	2200.0	96.2	96.1	95.6	0.85	0.82	0.74	7.7	3.0	2.7	IE3	
IM B3 / IM1001			FS 355 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) : 28.5 s 54 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	81 / 96 dB(A) ^{2) 3)}	84 / 99 dB(A) ^{2) 3)}	Condensate drainage holes	(Standard) Yes
Moment of inertia	6.7600 kg m ²		External earthing terminal	(Standard) Yes
Bearing DE NDE	6320 C4	6320 C4	Vibration severity grade	Grade A
permissible lateral force on (N)	X ₀ : 9900	X _{0.5} : 9300	Thermal class	F
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 DE NDE	60 g 60 g	6000 h	Frame material	cast iron
Lubricants	UNIREX N3		Net weight of the motor	2050 kg
Regreasing device	-/-		Coating (paint finish)	Special paint finish C3
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing DE		Motor protection	3 PTC thermistors - for tripping (2 terminals)
Bearing insulation DE / Bearing insulation NDE	Yes (Non-drive end)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	box at the angle 45°, socket right	Max. cross-sectional area	300 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	63 mm - 70 mm
Type of terminal box	TB3R01	Cable entry	2xM80x2 - 2xM20x1,5
Contact screw thread	6xM16	Cable gland	-/-

Notes:

I _A /I _N = locked rotor current / current nominal	1) L _{10mh} according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M _A /M _N = locked rotor torque / torque nominal	2) at rated power / at full load	
M _K /M _N = break down torque / nominal torque		

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		
SIEMENS	document type datasheet				document status released			
	title 1LE5604-3BB33-4AB3-Z				document number			
© INNOMOTICS 2023	L51				rev. 951	creation date 2023-12-14	language en	Page 1/2

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



Motor type : 1CV4353B

SIMOTICS SD - 355 L - IM B3 - 4p

Special design

L51	Bearing insulation NDE
-----	------------------------

Notes:

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			
	1LE5604-3BB33-4AB3-Z						
	L51			rev.	creation date	language	Page
© INNOMOTICS 2023				951	2023-12-14	en	2/2