

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



Motor type : 1CV3353B

SIMOTICS SD Add - 355 L - IM B3 - 4p

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

Safe Area																	
Electrical data								-/-									
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	-/-	610.00	1491	2250.0	96.0	96.1	95.8	0.88	0.85	0.78	7.5	2.2	3.1	IE3
690	Y	50	355.00	-/-	350.00	1491	2250.0	96.0	96.1	95.8	0.88	0.85	0.78	7.5	2.2	3.1	IE3
460	Δ	60	355.00	-/-	530.00	1793	1890.0	96.2	96.1	95.5	0.88	0.85	0.77	8.8	2.5	3.5	IE3
460	Δ	60	410.00	-/-	600.00	1791	2200.0	96.2	96.2	95.8	0.89	0.86	0.79	8.0	2.2	3.0	IE3
460	Δ	60		450	500.00	1793	1780.0	96.2	96.0	95.3	0.88	0.85	0.77	9.2	2.6	3.7	MG1
IM B3 / IM1001			FS 355 L				IP55	UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12					
Environmental conditions : -20 °C - +40 °C / 1,000 m										Locked rotor time (hot / cold) : 26.4 s 62.9 s							

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	81 / 95 dB(A) ^{2) 3)}	85 / 99 dB(A) ^{2) 3)}	Condensate drainage holes	(Standard) Yes
Moment of inertia	6.3600 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
		X _{max} : 8700	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Relubrication interval/quantity DE NDE	60 g 60 g 6000 h		Net weight of the motor	2070 kg
Lubricants	UNIREX N3		Coating (paint finish)	Special paint finish C3
Regreasing device	-/-		Color, paint shade	RAL7030
Grease nipple	-/-		Motor protection	2 temperature sensors KTY84-130 (4 terminals)
Type of bearing	Locating bearing DE		Method of cooling	IC411 - self ventilated, surface cooled
Bearing insulation DE / Bearing insulation NDE	Yes (Non-drive end)			

Terminal box

Terminal box position	at the 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.	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						
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Special design

L51

Bearing insulation NDE

Notes:

Link documents

SIEMENS

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