

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



Motor type : 1CV3352C

SIMOTICS SD Pro - 355 L - IM B3 - 6p

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 155(F)																	
380	Δ	50	315.00	-/-	620.00	994	3050.0	95.8	95.8	95.1	0.81	0.76	0.64	8.2	2.9	3.2	IE3
660	Y	50	315.00	-/-	355.00	994	3050.0	95.8	95.8	95.1	0.81	0.76	0.64	8.2	2.9	3.2	IE3
440	Δ	60	315.00	-/-	540.00	1195	2500.0	95.8	95.6	94.9	0.80	0.74	0.63	9.6	3.1	3.5	IE3
440	Δ	60	380.00	-/-	630.00	1194	3050.0	95.8	95.9	95.4	0.83	0.79	0.69	8.2	2.6	2.9	IE3
440	Δ	60		400	512.27	1195	2400.0	95.8	95.6	94.7	0.80	0.74	0.63	10.0	3.3	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) : 23.8 s 40 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	75 / 90 dB(A) ^{2) 3)}	78 / 93 dB(A) ^{2) 3)}	External earthing terminal	(Standard) Yes
Moment of inertia	11.4000 kg m ²		Vibration severity grade	Grade A
Bearing DE NDE	6320 C4	6320 C4	Thermal class	F
permissible lateral force on (N)	X ₀ : 11200	X _{0.5} : 10500	Duty type	S1
		X _{max} : 9800	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Net weight of the motor	2020 kg
Relubrication interval/quantity DE NDE	60 g 60 g	6000 h	Coating (paint finish)	Special paint finish C3
Lubricants	UNIREX N3		Color, paint shade	RAL7030
Regreasing device	-/-		Motor protection	3 PTC thermistors - for tripping (2 terminals)
Grease nipple	-/-		Method of cooling	IC411 - self ventilated, surface cooled
Type of bearing	Locating bearing NDE			
Condensate drainage holes	(Standard) Yes			

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			
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D47	TR CU product safety certificate EAC for the Eurasian Customs Union	Q12	Motor protection with PTC thermistors with 2 or 6 embedded temperature sensors for alarm and tripping
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