

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)																	
400	Δ	50	315.00	-/-	590.00	994	3050.0	95.8	95.8	95.1	0.81	0.76	0.64	8.2	2.9	3.2	IE3
690	Y	50	315.00	-/-	340.00	994	3050.0	95.8	95.8	95.1	0.81	0.76	0.64	8.2	2.9	3.2	IE3
460	Δ	60	315.00	-/-	520.00	1195	2500.0	95.8	95.6	94.9	0.80	0.74	0.63	9.6	3.1	3.5	IE3
460	Δ	60	380.00	-/-	600.00	1194	3050.0	95.8	95.9	95.4	0.83	0.79	0.69	8.2	2.6	2.9	IE3
460	Δ	60		400	490.00	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)}	Condensate drainage holes	(Standard) Yes
Moment of inertia	11.4000 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) (N)	X ₀ : 11200	X _{0.5} : 10500	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	2020 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	IC416 - separately ventilated, surface cooled

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
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					
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Special design

D47	TR CU product safety certificate EAC for the Eurasian Customs Union	G06	Mounting a rotary pulse encoder HOG 10 D 1024 I
F70	Mounting of separately driven fan	L51	Bearing insulation NDE

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	
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