

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



Motor type : 1CV4403C

SIMOTICS SD Add - 400 - IM B3 - 6p

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	450.00	-/-	800.00	994	4300.0	96.6	96.8	96.4	0.84	0.80	0.72	7.2	2.3	3.1	IE4	
690	Y	50	450.00	-/-	465.00	994	4300.0	96.6	96.8	96.4	0.84	0.80	0.72	7.2	2.3	3.1	IE4	
460	Δ	60	450.00	-/-	700.00	1195	3600.0	96.8	96.6	95.8	0.83	0.79	0.68	8.2	2.5	3.5	IE4	
460	Δ	60	518.00	-/-	790.00	1194	4150.0	96.7	96.8	96.4	0.85	0.82	0.74	7.3	2.2	3.0	IE4	
460	Δ	60		600	700.00	1195	3600.0	96.8	96.6	95.8	0.83	0.79	0.68	8.2	2.5	3.5	MG1	
IM B3 / IM1001 ₄₎		SF:	FS 400				IP55	UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-Part 20						
Environmental conditions : -20 °C - +40 °C / 1,000 m										Locked rotor time (hot / cold) : 5.7 s 6.62 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	78 / 94 dB(A) ³⁾	83 / 99 dB(A) ³⁾	External earthing terminal	(Standard) Yes
Moment of inertia	25.5000 kg m ²		Vibration severity grade	Grade A
Bearing DE NDE	DIN625-6224-C3	DIN625-6224-C3	Thermal class	F
permissible lateral force on (N)	X ₀ : 6520	X _{0.5} : N/A	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	40 g 40 g 6000 h		Net weight of the motor	3100 kg
Lubricants	SHELL GADUS S2 V100 3		Coating (paint finish)	Standard paint finish C2
Regreasing device	-/-		Color, paint shade	RAL7030
Grease nipple	-/-		Motor protection	6 PTC thermistors - for alarm and tripping (4 terminals)
Type of bearing	Locating bearing DE		Method of cooling	IC416 - separately ventilated, surface cooled
Condensate drainage holes	(Standard) Yes			

Terminal box

Terminal box position	box at the angle 45°, socket right	Max. cross-sectional area	240 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	56 mm - 64.5 mm
Type of terminal box	TB3R61	Cable entry	4xM80x2 - 2xM25x1,5
Contact screw thread	12xM16	Cable gland	6 plugs

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 _K /M _N = locked rotor torque / torque nominal		2) at rated power / at full load	4) For IM B5 design additionally support foot (not scope of delivery) is required
M _B /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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Special design

F70 Mounting of separately driven fan

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