

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



Motor type : 1CV3252A

SIMOTICS SD Premium Insulation - 250 M - IM B3 - 2p

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	55.00	-/-	95.00	2975	177.0	94.3	94.5	94.0	0.89	0.88	0.83	7.0	2.1	3.0	IE3
690	Y	50	55.00	-/-	55.00	2975	177.0	94.3	94.5	94.0	0.89	0.88	0.83	7.0	2.1	3.0	IE3
460	Δ	60	62.00	-/-	93.00	3575	166.0	93.6	93.8	93.2	0.89	0.88	0.84	7.1	2.2	3.0	IE3
460	Δ	60	55.00	-/-	84.00	3580	147.0	93.6	93.6	92.8	0.88	0.87	0.81	7.8	2.5	3.3	IE3
IM B3 / IM 1001		FS 250 M				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN						KS C IEC60034-2-1	
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 33.3 s 52.3 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 87 dB(A) ^{2) 3)}	76 / 90 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.4630 kg m ²		Vibration severity grade	A
Bearing DE NDE	6215 C3	6215 C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad} ¹⁾ for coupling operation	40000 h	32000 h	Direction of rotation	bidirectional
50 60Hz			Frame material	cast iron
Relubrication interval/quantity DE NDE	20 g 20 g	4000 h	Net weight of the motor (IM B3)	385 kg
Lubricants	Unirex N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	With		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(F) 1 temperature sensor KTY84-130 (2 terminals)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Bearing insulation DE / Bearing insulation NDE	Yes (non-drive end)			
Condensate drainage holes	With (standard)			

Terminal box

Terminal box position	top	Max. cross-sectional area	120 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 42 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M10	Cable gland	4 plugs

Notes:		
I_L/I_N = locked rotor current / current nominal	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_L/M_N = locked rotor torque / torque nominal	2) at rated power / at full load	
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 		
	document type datasheet				document status released			
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Special design

L21	Locating (fixed) bearing, NDE	L51	Bearing insulation NDE
L23	Regreasing system		

Notes:

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