

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



Motor type : 1CV2252B

SIMOTICS SD - 250 M - IM B3 - 4p

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

Remarks

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η ³⁾			cos φ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
IM B3 / IM 1001			FS 250 M	385 kg		IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 19.9 s 34.1 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	66.0 / 79.0 dB(A) ²⁾	69.0 / 83.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.7500 kg m ²		Vibration severity grade	A
Bearing DE NDE	6215 C3	6215 C3	Insulation	155(F) to 130(B)
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	20 g 20 g 8000 h		Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Special paint finish C3
Regreasing device	Yes		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(J) 6 resistance thermometers PT100 (12 terminals)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

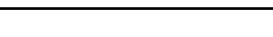
Terminal box

Terminal box position	top	Max. cross-sectional area	120.0 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	34.0 mm - 42.0 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M10	Cable gland	4 plugs

Notes:

I_A/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_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.
DI MC LVM		DT Configurator		

	document type	document status		customer		
	datasheet	released				
	title	document number				
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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	M11	Stainless steel rating plate
B61	Document order dimension drawing	M1Y	Non-standard winding:
F74	Sheet steel fan cowl	Q02	Anti-condensation heating for 230 V (2 terminals)
F76	Metal external fan	Q82	Extension of the liability for defects by 24 months to a total of 36 months (3 years) from delivery
H07	Stainless steel screws and bolts (outside the motor)	R12	Terminal box rotated through 180°
L23	Regreasing system	S02	Special paint finish C3

Additional information:

Space heaters

Technical data: 1-phase, 230 V 92W

Notes:

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