

SIMOTICS SD - 250 M - IM B3 - 4p

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

Remarks

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{3)}$			$\cos\varphi^{3)}$			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	
460	Δ	60	75.00	-/-	117.00	1785	400.0	94.5	94.6	94.0	0.85	0.81	0.73	7.1	2.6	3.1	IE2
IM B3 / IM 1001			FS 250 M		440 kg		IP55	IEC/EN 60034			IEC, EN, UL, CSA, NEMA MG1-12						

Locked rotor time (hot / cold) : 26.9 s | 45.9 s

Sound level (SPL / SWL) at 50Hz 60Hz	74.0 / 87.0 dB(A) ²⁾	78.0 / 91.0 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.8500 kg m ²		Vibration severity grade	A
Bearing DE NDE	6215 Z C3	6215 Z 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
Lubricants	Unirex N3		Frame material	cast iron
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	120.0 mm²
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
Contact screw thread	M10	Cable gland	2 plugs

I_L/I_N = locked rotor current / current nominal	1) L10mth 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. DI MC LVM	technical reference	created by DT Configurator	approved by		Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
	document type datasheet	title 1LE1501-2CB69-0AA4-Z D30+D31+D40+M2F			document status released		customer	
	document number							
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV2256B

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Special design

D30	Electrical design according to NEMA MG1-12	D40	Canadian regulations (CSA)
D31	Version according to UL with "Recognition Mark"	M2F	460 VD for 60 Hz, 50-Hz power

Notes:

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