

SIMOTICS SD - 112 M - IM B5 - 2p

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

Remarks

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)																	
230	Δ	60	6.30	-/-	20.00	3550	16.9	89.5	89.8	88.7	0.88	0.84	0.76	9.2	2.8	4.0	IE3
400	Y	60	6.30	-/-	11.50	3550	16.9	89.5	89.8	88.7	0.88	0.84	0.76	9.2	2.8	4.0	IE3
230	Δ	60	5.50	-/-	17.90	3560	14.8	89.5	89.3	87.8	0.86	0.81	0.72	10.4	3.1	4.7	IE3
400	Y	60	5.50	-/-	10.30	3560	14.8	89.5	89.3	87.8	0.86	0.81	0.72	10.4	3.1	4.7	IE3
IM B5 / IM 3001			FS 112 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 7.2 s 10.8 s								

Sound level (SPL / SWL) at 50Hz 60Hz	69 / 77 dB(A) ^{2) 3)}	73 / 81 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0096 kg m ²		Thermal class	F
Bearing DE NDE	6206 2Z C3	6206 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{red min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	43 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	4 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 F01	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

Notes:

I_{lr}/I_{ln} = 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_{lr}/M_{ln} = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_{ln} = 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			
	title 1LE1503-1BA61-8FB4-Z B02+D22+Y82			document number			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV3116A

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	Y82	Auxiliary name plate with customer data
D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)		

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