

SIMOTICS SD - 250 M - IM V1 - 4p

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	
400	Δ	50	55.00	-/-	100.00	1480	355.0	93.5	93.9	93.5	0.85	0.81	0.72	6.8	2.7	3.0	IE2
690	Y	50	55.00	-/-	58.00	1480	355.0	93.5	93.9	93.5	0.85	0.81	0.72	6.8	2.7	3.0	IE2
460	Δ	60	63.00	-/-	99.00	1780	340.0	94.1	94.4	94.0	0.85	0.82	0.74	6.6	2.8	2.9	IE2
460	Δ	60	55.00	-/-	87.00	1785	295.0	94.1	94.1	93.3	0.84	0.80	0.71	7.3	3.1	3.3	IE2
IM V1 / IM 3011			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	70.0 / 83.6 dB(A) ²⁾	74.0 / 87.6 dB(A) ²⁾	External earthing terminal	Yes (standard)
Moment of inertia	0.7500 kg m ²		Vibration severity grade	A
Bearing DE NDE	6315 C3	6315 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	25 g	25 g 8000 h	Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Special paint finish C3
Regreasing device	Yes (standard)		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Type of bearing	Locating bearing DE		Method of cooling	IC416 - separately ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

Terminal box

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	2xM63x1,5-2xM20x1,5
Contact screw thread	M10	Cable gland	4 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
M_A/M_N = locked rotor torque / torque nominal
M_K/M_N = break down torque / nominal torque

1) L10mh according to DIN ISO 281 10/2010
2) at rated power / at full load

3) Value is valid only for DOL operation with motor design IC411

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			document status released		customer		
	title 1LE1601-2CB23-4GB4-Z			document number				
© Siemens AG 2021	F70+G11+L51			rev. 01	creation date 2021-04-22 18:21	language en	Page 1/2	

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



Motor type : 1CV2252B

SIMOTICS SD - 250 M - IM V1 - 4p

Special design

F70	Mounting of separately driven fan	L51	Bearing insulation NDE
G11	Rotary pulse encoder Sendix 5020 (HTL)		

Notes:

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	document status released			customer			
	title 1LE1601-2CB23-4GB4-Z							document number
© Siemens AG 2021	F70+G11+L51	rev. 01	creation date 2021-04-22 18:21		language en	Page 2/2		