

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



Motor type : 1CV2130B

SIMOTICS SD - 132 S - IM B5 - 4p

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	
400	Δ	50	5.50	-/-	11.30	1465	36.0	87.7	88.4	87.6	0.80	0.74	0.62	6.9	2.3	2.9	IE2
690	Y	50	5.50	-/-	6.60	1465	36.0	87.7	88.4	87.6	0.80	0.74	0.62	6.9	2.3	2.9	IE2
460	Δ	60	6.30	-/-	10.90	1765	34.0	89.5	90.0	89.1	0.81	0.76	0.66	7.3	2.3	2.9	IE2
460	Δ	60	5.50	-/-	9.90	1770	29.5	89.5	89.6	88.1	0.78	0.72	0.61	8.0	2.6	3.3	IE2
IM B5 / IM 3001		FS 132 S		61 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 14.3 s | 22.2 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	64.0 / 76.0 dB(A) ²⁾	68.0 / 80.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0220 kg m ²		Vibration severity grade	A
Bearing DE NDE	6208 Z C3	6208 Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	10 g 10 g	8000 h	Frame material	cast iron
Lubricants	Unirex N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	Yes		Color, paint shade	RAL7030
Grease nipple	M8x1 DIN 71412		Motor protection	(A) without (Standard)
Type of bearing	Preloaded bearing DE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

Terminal box

Terminal box position	top	Max. cross-sectional area	6.0 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 H01	Cable entry	2xM32x1,5
Contact screw thread	M4	Cable gland	2 glands

Notes:

I_A/I_N = locked rotor current / current nominal
M_K/M_N = locked rotor torque / torque nominal
M_B/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.	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						
	title	document number					
	1LE1501-1CB03-4FA4-Z						
	F74+L23+M10+R16+Y84						
© Siemens AG 2021		rev.	creation date	language	Page		
		01	2021-04-23 16:11	en	1/2		

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



Motor type : 1CV2130B

SIMOTICS SD - 132 S - IM B5 - 4p

Special design

F74	Sheet steel fan cowl	R16	EMC cable gland, maximum number
L23	Regreasing system	Y84	Additional data on the rating plate and on the packing label :
M10	Additional rating plate, loose		

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 1LE1501-1CB03-4FA4-Z F74+L23+M10+R16+Y84	document number					
© Siemens AG 2021		rev. 01	creation date 2021-04-23 16:11	language en	Page 2/2		