

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



Motor type : 1CV2130B

SIMOTICS SD - 132 S - IM B3 - 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 B3 / IM 1001		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	6308 2Z C3	6308 2Z 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
Lubricants	Unirex N3		Frame material	cast iron
Regreasing device	No		Coating (paint finish)	Special paint finish C3
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(F) 1 temperature sensor KTY84-130 (2 terminals)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled

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	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 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 _K /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.	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			
	1LE1601-1CB03-4AF4-Z						
	D22			rev.	creation date	language	Page
© Siemens AG 2021				01	2021-04-23 13:49	en	1/2

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



Motor type : 1CV2130B

SIMOTICS SD - 132 S - IM B3 - 4p

Special design

D22 motor without CE character for export outside the EEA (see EU regulation 640/2009)

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 1LE1601-1CB03-4AF4-Z							
© Siemens AG 2021	D22	rev. 01	creation date 2021-04-23 13:49		language en	Page 2/2		