

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



Motor type : 1CV2130A

SIMOTICS SD - 132 S - IM B3 - 2p

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	
DOL duty (S1) - 155(F) to 130(B)																	
230	Δ	50	5.50	-/-	18.20	2950	17.8	87.0	88.0	87.6	0.87	0.84	0.76	6.6	1.8	2.9	IE2
400	Y	50	5.50	-/-	10.50	2950	17.8	87.0	88.0	87.6	0.87	0.84	0.76	6.6	1.8	2.9	IE2
460	Y	60	6.30	-/-	10.20	3550	16.9	88.5	88.9	88.1	0.88	0.84	0.74	6.9	1.8	2.9	IE2
460	Y	60	5.50	-/-	9.10	3555	14.8	88.5	88.4	87.0	0.86	0.81	0.70	7.6	2.0	3.3	IE2
IM B3 / IM 1001		FS 132 S				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 11.9 s 19.4 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz/60Hz	68 / 80 dB(A) ^{2) 3)}	72 / 84 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0200 kg m ²		Thermal class	F
Bearing DE NDE	6308 2Z C3	6308 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L_{10mh} $F_{Rad min}$ for coupling operation 50/60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	57 kg
Regreasing device	No		Coating (paint finish)	Special paint finish C3
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 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_A/M_N = locked rotor torque / torque nominal	2) at rated power / at full load	
M_K/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.	Link documents
DI MC LVM		DT Configurator			
	document type				document status
	datasheet				released
	title				document number
	1LE1601-1CA02-2AB4				
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