

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



Motor type : 1AV3132B SIMOTICS GP - 132 M - 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	
DOL duty (S1) - 155(F) to 130(B)																	
230	Δ	50	7.50	-/-	26.00	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3
400	Y	50	7.50	-/-	15.00	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3
460	Y	60	8.60	-/-	14.90	1765	46.5	89.5	90.0	89.4	0.81	0.76	0.65	8.8	3.0	3.8	IE2
460	Y	60	7.50	-/-	13.00	1770	40.5	91.7	91.6	90.6	0.79	0.73	0.61	9.8	3.4	4.3	IE3
IM B3 / IM 1001		FS 132 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) : 14.8 s 20.1 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	64 / 76 dB(A) ^{2) 3)}	68 / 80 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0334 kg m ²		Thermal class	F
Bearing DE NDE	6208 2Z C3	6208 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	aluminum
Regreasing device	No		Net weight of the motor (IM B3)	61 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	No		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	No		Method of cooling	IC416 - separately ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H00	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_K/M_N = break down torque / nominal torque

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.	Link documents
SIEMENS	document type datasheet				document status released
	title 1LE1003-1CB22-2AB4-Z F70				document number
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				language en	Page 1/2



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Special design

F70	Mounting of separately driven fan
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