

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



Motor type : 1AV4132B

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	$\eta^{3)}$			$\cos\phi^{3)}$			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)																	
380	Δ	60	7.91	-/-	16.20	1770	42.7	92.5	92.7	92.1	0.80	0.75	0.64	8.6	3.1	4.2	IE4
660	Y	60	7.91	-/-	9.30	1770	42.7	92.5	92.7	92.1	0.80	0.75	0.64	8.6	3.1	4.2	IE4
380	Δ	60	7.50	-/-	15.40	1775	40.5	92.4	92.5	91.8	0.80	0.74	0.63	8.8	3.4	4.5	IE4
660	Y	60	7.50	-/-	8.90	1775	40.5	92.4	92.5	91.8	0.80	0.74	0.63	8.8	3.4	4.5	IE4
IM B3 / IM 1001		FS 132 M				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +50 °C / 1,000 m

Locked rotor time (hot / cold) : 27.5 s | 36.5 s

These values are calculated. The final rating plate data will be calculated when the order is placed

The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	56 / 68 dB(A) ^{2) 3)}	61 / 73 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0460 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	Without		Net weight of the motor (IM B3)	62 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
External earthing terminal	Without		Method of cooling	IC411 - self 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
Contact screw thread	M4	Cable gland	2 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) L_{10mh} 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.		Link documents			
DI MC LVM		DT Configurator							
	document type	document status							
	datasheet	released							
	title	document number							
	1LE1004-1CB23-0AA4-Z								
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						943	2023-06-09	en	1/2

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Special design

N06	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 50°C, power reduced
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				943	2023-06-09	en	2/2