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

Motor type : 1AV3137A **SIMOTICS GP - 132 M - IM B35 - 2p**

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project
Remarks		

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η 3) 4/4	η 3) 3/4	η 3) 2/4	cosφ 3) 4/4	cosφ 3) 3/4	cosφ 3) 2/4	I_A/I_N I_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
400	Δ	50	15.00	-/-	28.00	2960	48.5	91.9	92.0	91.1	0.84	0.77	0.63	9.1	2.9	4.4	IE3
690	Y	50	15.00	-/-	16.30	2960	48.5	91.9	92.0	91.1	0.84	0.77	0.63	9.1	2.9	4.4	IE3
460	Δ	60	17.30	-/-	27.50	3565	46.5	91.7	91.9	90.9	0.86	0.80	0.69	11.1	3.0	4.8	IE3
460	Δ	60	15.00	-/-	24.00	3570	40.0	91.0	90.9	90.1	0.83	0.77	0.65	11.1	3.4	5.4	IE3

IM B35 / IM 2001		FS 132 M	kg	IP55		IEC/EN 60034	IEC, DIN, ISO, VDE, EN			KS C IEC60034-2-1

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

Locked rotor time (hot / cold) : 4.48 s | 8.96 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	/ dB(A) 2)	/ dB(A) 2)	External earthing terminal	No
Moment of inertia	kg m²		Vibration severity grade	A
Bearing DE | NDE	6208 2Z C3	6208 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L_{10mh} $F_{Rad\ min}$ for coupling operation 50|60Hz 1)	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	Unirex N3		Frame material	aluminum
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 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) 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	
DI MC LVM		DT Configurator		*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*

SIEMENS

document type		document status	customer	
datasheet		released		
title		document number		
1LE1043-1CA73-4JA4				
	rev.	creation date	language	Page
	01	2021-04-20 21:07	en	1/1