

Data sheet for three-phase Squirrel-Cage-Motors



Motor type : 1AV3136B

1TZ9 A - 132 M - IM V1 - 4p

Client order no.	Item-No. 6329489	Offer no.
Order no.	Consignment no.	Project

Remarks

Safe Area

Electrical data

-/-

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 155(F)																	
690	Y	60	11.00	-/-	12.80	1775	59.0	92.4	92.0	91.0	0.78	0.72	0.60	9.8	3.1	4.4	IE3
IM V1 / IM 3011			FS 132 M			IP55	UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20° C - +45° C / 1000 m									Locked rotor time (hot / cold) : 14.4 s 20.6 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	71 / 79 dB(A) ^{2) 3)}	68 / 76 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0410 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	20000 h	16000 h	Frame material	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	81 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With		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	Main cable entry	2xM32x1.5
Type of terminal box	TB1 H00	Main cable gland	2 plugs
Contact screw thread	6xM4		

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

Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

Responsible department	Technical reference	Created by	Approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.	
	Document type	Technical data sheet		Document status	
	Document title	1TZ9003-1CB69-0GA4-Z H03+L20+M1Y+Y52		Released	
				Document number	
				TDS-250815-134215	
				Revision	Creation date
				AA	2025-08-15
				Language	Page
				en	1/2

Data sheet for three-phase Squirrel-Cage-Motors



Motor type : 1AV3136B1TZ9 A - 132 M - IM V1 - 4p

Special design

H03	Condensation drain holes in end shield	Y52	Temperature class 155(F), utilized acc. to 155(F), customer indication of coolant temperature and/or installation altitude 1000M_KT45° C_11kW
L20	Locating bearing, DE		
M1Y	Non-standard winding: 690VY_60Hz_11kW		

Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

Responsible department	Technical reference	Created by	Approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.	
LÖNNE	Document type Technical data sheet			Document status Released	
	Document title 1TZ9003-1CB69-0GA4-Z			Document number TDS-250815-134215	
	H03+L20+M1Y+Y52			Revision AA	Creation date 2025-08-15
				Language en	Page 2/2