

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



Motor type : 1CV3132B INNOMOTICS XP - 132 M - IM B34 - 4p

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

Remarks II 3G Ex ec IIC T3 Gc

Electrical data -/-

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)																	
220	Δ	50	7.50	-/-	27.00	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3
380	Y	50	7.50	-/-	15.80	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3
440	Y	60	8.60	-/-	15.60	1765	46.5	89.5	90.0	89.4	0.81	0.76	0.65	8.8	3.0	3.8	IE2
440	Y	60	7.50	-/-	13.60	1770	40.5	91.7	91.6	90.6	0.79	0.73	0.61	9.8	3.4	4.3	IE3
IM B34 / IM 2101		FS 132 M				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 14.8 s 20.1 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	72 / 80 dB(A) ^{2) 3)}	68 / 76 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	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	80 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		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	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H01	Cable entry	2xM32x1,5-2xM16x1,5
Contact screw thread	M4		

I_A/I_N = locked rotor current / current nominal 1) L_{10mh} 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_B/M_N = break down torque / nominal torque

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 IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
INNOMOTICS	Document type Technical data sheet			Document status Released			
	Document title 1MB1533-1CB22-1NA4-Z			Document number TDS-240827-124454			
Restricted © Innomotics 2024	B02+Q02+R11			Revision AA	Creation date 2024-08-27	Language en	Page 1/2

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



Motor type : 1CV3132B

INNOMOTICS XP - 132 M - IM B34 - 4p

Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	R11	Terminal box rotated through 90°, cable entry from NDE
Q02	Anti-condensation heating for 230 V (2 terminals)		

Additional information:

Space heaters

Technical data:	1-phase, 230 V 24W
-----------------	--------------------

1-phase, 230 V 24W

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 IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
INNOMOTICS	Document type Technical data sheet			Document status Released			
	Document title 1MB1533-1CB22-1NA4-Z			Document number TDS-240827-124454			
Restricted © Innomotics 2024	B02+Q02+R11			Revision AA	Creation date 2024-08-27	Language en	Page 2/2