

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



Motor type : 1AV3132B INNOMOTICS GP - 132 M - IM B3 - 4p

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

Remarks

Safe Area

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 _f /I _N	T _f /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	10.00	13.00	1770	40.5	91.7	91.6	90.6	0.79	0.73	0.61	9.8	3.4	4.3	MG1	
IM B3 / IM 1001		FS 132 M		CC032A		IP55		UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12-12			kVA Code: N		Grade 3	
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 m²		Thermal class	F
Bearing DE NDE	6308 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)	61 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	(F) 1 temperature sensor KTY84-130 (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box																	
Terminal box position			right			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								

I_f/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 1LE1023-1CB22-2AF5-Z			Document number TDS-240812-150213			
Restricted © Innomotics 2024	D34+G41+L22			Revision AA	Creation date 2024-08-12	Language en	Page 1/2

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



Motor type : 1AV3132B

INNOMOTICS GP - 132 M - IM B3 - 4p

Special design

D34	China Energy Efficiency Label	L22	Bearing design for increased cantilever forces
G41	Prepared to mount components with D12 shaft		

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 1LE1023-1CB22-2AF5-Z			Document number TDS-240812-150213			
Restricted © Innomotics 2024	D34+G41+L22			Revision AA	Creation date 2024-08-12	Language en	Page 2/2