

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



Motor type : 1AV3063B INNOMOTICS GP - 63 M - IM B14 - 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 _I /I _N	T _I /T _N	T _B /T _N	
DOL duty (S1) - 155(F) to 130(B)																	
230	Δ	50	0.18	-/-	0.99	1400	1.2	69.9	68.1	62.3	0.65	0.55	0.43	4.0	2.8	2.9	IE3
400	Y	50	0.18	-/-	0.57	1400	1.2	69.9	68.1	62.3	0.65	0.55	0.43	4.0	2.8	2.9	IE3
460	Y	60	0.21	-/-	0.58	1700	1.2	69.5	67.9	62.7	0.65	0.55	0.43	4.4	3.1	3.1	IE3
460	Y	60	0.18	-/-	0.54	1715	1.0	69.5	66.9	60.6	0.60	0.50	0.39	4.6	3.6	3.7	MG1
IM B14 / IM 3601		FS 63 M				IP55	UKCA	IEC/EN 60034		IEC, EN, UL, CSA							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 40.2 s 48.5 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	55.1 / 62.2 dB(A) 2) 3)	64.3 / 71.4 dB(A) 2) 3)	Vibration severity grade	A
Moment of inertia	0.0005 kg m²		Thermal class	F
Bearing DE NDE	6201 2Z C3	6201 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)	6 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		1.5 mm ²									
Material of terminal box		Aluminium				Cable diameter from ... to ...		9 mm - 17 mm									
Type of terminal box		TB1 B00				Cable entry		1xM25x1,5									
Contact screw thread		M4				Cable gland		1 plug									

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

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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 1LE1003-0BB32-2KA4-Z			Document number TDS-240812-150159			
Restricted © Innomotics 2024	D01+D31+D40			Revision AA	Creation date 2024-08-12	Language en	Page 1/2

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Special design

D01	CCC China Compulsory Certification	D40	Canadian regulations (CSA)
D31	Version according to UL with "Recognition Mark"		

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