

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



Motor type : 1AV3063B INNOMOTICS GP - 63 M - IM B5 - 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 B5 / IM 3001		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 mm²
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_A/M_N = locked rotor torque / torque nominal 2) at rated power / at full load

M_K/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 1LE1003-0BB32-2FA4-Z			Document number TDS-240812-150143			
	D01+D31+D40			Revision AA	Creation date 2024-08-12		
Restricted © Innomotics 2024						Language en	Page 1/2

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



Motor type : 1AV3063B

INNOMOTICS GP - 63 M - IM B5 - 4p

Special design

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

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	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>		Link documents	
INNOMOTICS	Document type Technical data sheet			Document status Released			
	Document title 1LE1003-0BB32-2FA4-Z			Document number TDS-240812-150143			
	Restricted © Innomotics 2024			Revision AA	Creation date 2024-08-12		