

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



Motor type : 1AV3062B 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	0.12	-/-	0.68	1390	0.8	64.8	63.1	57.3	0.68	0.58	0.46	3.6	2.4	2.6	IE3		
400	Y	50	0.12	-/-	0.39	1390	0.8	64.8	63.1	57.3	0.68	0.58	0.46	3.6	2.4	2.6	IE3		
460	Y	60	0.14	-/-	0.39	1690	0.8	67.0	65.1	59.5	0.67	0.57	0.45	4.0	2.5	2.8	IE3		
460	Y	60	0.12	-/-	0.36	1710	0.7	67.0	64.0	57.1	0.62	0.52	0.41	4.3	2.9	3.3	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) : 42 s 49.7 s										

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	59 / 67 dB(A) ^{2) 3)}	64 / 72 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0004 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)	5 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
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

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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 1LE1003-0BB22-2FA4-Z			Document number TDS-240812-150113			
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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