

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



Motor type : 1AV2072B INNOMOTICS GP - 71 M - IM B5 - 4p

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

Remarks

Safe Area

-/-

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)																	
380	Δ	50	0.25	-/-	0.80	1395	1.7	68.5	68.4	64.2	0.69	0.59	0.46	3.7	2.4	2.5	IE2
660	Y	50	0.25	-/-	0.47	1395	1.7	68.5	68.4	64.2	0.69	0.59	0.46	3.7	2.4	2.5	IE2
440	Δ	60	0.29	-/-	0.79	1695	1.6	70.0	69.7	65.9	0.69	0.60	0.47	4.1	2.4	2.6	IE2
440	Δ	60	0.25	-/-	0.73	1715	1.4	70.0	68,5	63.6	0.64	0.55	0.43	4.4	2.8	3.1	IE2
IM B5 / IM 3001		FS 71 M				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 39.1 s 49.3 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	44 / 55 dB(A) ^{2) 3)}	47 / 58 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0008 kg m²		Thermal class	F
Bearing DE NDE	6202 2Z C3	6202 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

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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 1LE1001-OCB23-3FA4-Z			Document number TDS-240923-121806			
	Restricted © Innomotics 2024			Revision AA	Creation date 2024-09-23		

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Special design

M10 Additional rating plate, loose

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	Document title 1LE1001-OCB23-3FA4-Z			Document number TDS-240923-121806			
Restricted © Innomotics 2024	M10			Revision AA	Creation date 2024-09-23	Language en	Page 2/2