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

Motor type : 1AV3062B **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 [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η 3) 4/4	η 3) 3/4	η 3) 2/4	cosφ 3) 4/4	cosφ 3) 3/4	cosφ 3) 2/4	I_A/I_N I_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
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 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) : 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)	
Moment of inertia	0.0004 kg m²		
Bearing DE | NDE	6201 2Z C3	6201 2Z C3	
bearing lifetime			
L_{10mh} $F_{Rad\ min}$ for coupling operation 50|60Hz 1)	40000 h	32000 h	
Regreasing device	Without		
Grease nipple	-/-		
Type of bearing	Preloaded bearing DE		
Condensate drainage holes	Without		
External earthing terminal	Without		

Vibration severity grade	A
Thermal class	F
Duty type	S1
Direction of rotation	bidirectional
Frame material	aluminum
Net weight of the motor (IM B3)	5 kg
Coating (paint finish)	Standard paint finish C2
Color, paint shade	RAL7030
Motor protection	(A) without (Standard)
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
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	Technical reference	Created by	Approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
IN LVM		SPC	Created automatically		

INNOMOTICS

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Branding disclaimer applies

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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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