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

Electrical data

Safe Area

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)																	
220	Δ	50	0.18	-/-	1.04	1400	1.2	69.9	68.1	62.3	0.65	0.55	0.43	4.0	2.8	2.9	IE3
380	Y	50	0.18	-/-	0.60	1400	1.2	69.9	68.1	62.3	0.65	0.55	0.43	4.0	2.8	2.9	IE3
440	Y	60	0.21	-/-	0.61	1700	1.2	69.5	67.9	62.7	0.65	0.55	0.43	4.4	3.1	3.1	IE3
440	Y	60	0.18	-/-	0.57	1715	1.0	69.5	66.9	60.6	0.60	0.50	0.39	4.6	3.6	3.7	IE3

IM B5 / IM 3001		FS 63 M		IP55	UKCA	IEC/EN 60034	IEC, DIN, ISO, VDE, EN		

Environmental conditions : -20 °C - +40 °C / 1000 m	Locked rotor time (hot / cold) : 40.40 s | 48.80 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	55.0 / 62.0 dB(A) 2) 3)	64.0 / 71.0 dB(A) 2) 3)
Moment of inertia	0.0005 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)	6 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
Material of terminal box	Aluminium
Type of terminal box	TB1 B00
Contact screw thread	6xM4
Max. cross-sectional area	4.0 mm²

Main cable entry	1xM25x1.5
Main cable gland	1 plug
Auxiliary cable entry	1xM16x1.5
Auxiliary 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.*
IN LVM		IPC		

INNOMOTICS

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