

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



Motor type : 1AV2062C

INNOMOTICS GP - 63 M - IM B14 - 6p

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]	$\eta^{3)}$			$\cos\phi^{3)}$			I_A/I_N I_f/I_N	M_A/M_N T_f/T_N	M_K/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
DOL duty (S1) - 155(F) to 130(B)																	
230	Δ	50	0.09	-/-	0.84	895	1.0	42.7	38.5	30.4	0.63	0.55	0.46	2.0	1.8	1.9	-/-
400	Y	50	0.09	-/-	0.48	895	1.0	42.7	38.5	30.4	0.63	0.55	0.46	2.0	1.8	1.9	-/-
460	Y	60	0.11	-/-	0.49	1095	1.0	46.6	42.6	35.0	0.60	0.51	0.43	2.2	1.8	2.0	-/-
460	Y	60	0.09	-/-	0.47	1125	0.8	44.9	41.4	32.8	0.53	0.45	0.39	2.3	2.2	2.5	-/-
IM B14 / IM 3601		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) : 39.5 s | 66.4 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	56 / 62 dB(A) ^{2) 3)}	57 / 64 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0003 kg m ²		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)	4 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	(K) 1 Pt1000 resistance thermometer(2 terminals)
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	1xM25x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	2 plugs

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	<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 1LE1001-0BC22-2KK4	Document number TDS-241018-110959			
Restricted © Innomotics 2024	Revision AA	Creation date 2024-10-18	Language en		Page 1/1