

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



Motor type : 1AV2062B

INNOMOTICS GP - 63 M - IM B35 - 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]	$\eta^{(3)}$			$\cos\phi^{(3)}$			I_A/I_N	M_A/M_N	M_R/M_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I_V/I_N	T_A/T_N	T_B/T_N	
DOL duty (S1) - 155(F) to 130(B)																	
230	Δ	50	0.12	-/-	0.77	1390	0.8	59.1	56.4	49.0	0.66	0.57	0.45	3.1	2.4	2.5	IE2
400	Y	50	0.12	-/-	0.45	1390	0.8	59.1	56.4	49.0	0.66	0.57	0.45	3.1	2.4	2.5	IE2
460	Y	60	0.14	-/-	0.42	1685	0.8	64.0	61.4	54.8	0.66	0.57	0.46	3.5	2.4	2.7	IE2
460	Y	60	0.12	-/-	0.39	1710	0.7	64.0	60.3	52.2	0.60	0.52	0.41	3.7	2.9	3.2	IE2
IM B35 / IM 2001			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) : 39.30 s 52.20 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	50.0 / 58.0 dB(A) <small>2) 3)</small>	54.0 / 61.0 dB(A) <small>2) 3)</small>	Vibration severity grade	A
Moment of inertia	0.0004 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	(A) without (Standard)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled
			Carbon footprint (without options)	19kg

Terminal box

Terminal box position	top	Main cable entry	1xM25x1.5
Material of terminal box	Aluminium	Main cable gland	1 plug
Type of terminal box	TB1 B00	Auxiliary cable entry	1xM16x1.5
Contact screw thread	6xM4	Auxiliary cable gland	1 plug
Max. cross-sectional area	4.0 mm ²		

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_R/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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