

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



Motor type : 1AV1072B			INNOMOTICS GP - 71 M - IM B14 - 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⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _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	0.25	-/-	1.40	1365	1.8	61.5	61.4	56.1	0.73	0.63	0.49	3.0	1.8	2.0	IE1
400	Y	50	0.25	-/-	0.80	1365	1.8	61.5	61.4	56.1	0.73	0.63	0.49	3.0	1.8	2.0	IE1
460	Y	60	0.29	-/-	0.75	1665	1.7	68.0	67.8	62.6	0.71	0.61	0.48	3.4	1.8	2.0	IE1
IM B14 / IM 3601		FS 71 M				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 26.40 s 44.00 s								

Mechanical data			
Sound level (SPL / SWL) at 50Hz 60Hz		49.0 / 60.0 dB(A) 2) 3)	51.0 / 62.0 dB(A) ²⁾ 3)
Moment of inertia		0.0005 kg m²	
Bearing DE NDE		6202 2Z C3	6202 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	
Carbon footprint (without options)		24kg	

Terminal box			
Terminal box position		top	Main cable entry
Material of terminal box		Aluminium	1xM25x1.5
Type of terminal box		TB1 B00	Main cable gland
Contact screw thread		6xM4	1 plug
Max. cross-sectional area		4.0 mm²	Auxiliary cable entry
			1xM16x1.5
			Auxiliary cable gland
			1 plug

I_A/I_N = locked rotor current / current nominal
M_r/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 LV		Technical reference	Created by IPC	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 1LE1002-OCB22-2KA4-Z D22			Document number TDS-260702-102604			
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INNOMOTICS GP - 71 M - IM B14 - 4p

D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)
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F74	Sheet steel fan cowl
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