

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



Motor type : 1AV3094B INNOMOTICS GP - 90 L - IM B35 - 4p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Safe Area

Electrical data

-/-

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	1.50	-/-	3.15	1445	9.9	85.3	85.7	84.4	0.80	0.73	0.60	7.3	2.9	3.5	IE3
690	Y	50	1.50	-/-	1.84	1445	9.9	85.3	85.7	84.4	0.80	0.73	0.60	7.3	2.9	3.5	IE3
460	Δ	60	1.75	-/-	3.15	1740	9.6	86.5	86.7	85.4	0.80	0.74	0.62	7.7	2.9	3.7	IE3
460	Δ	60	1.50	-/-	2.85	1755	8.2	86.5	86.6	84.7	0.77	0.69	0.57	8.6	3.4	4.3	IE3
IM B35 / IM 2001		FS 90 L				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 17.3 s 21.5 s								

Mechanical data																	
Sound level (SPL / SWL) at 50Hz 60Hz						/ dB(A) ^{2) 3)}			/ dB(A) ^{2) 3)}			Vibration severity grade					
Moment of inertia						0.0049 kg m ²						Thermal class					
Bearing DE NDE						6205 2Z C3			6004 2Z C3			Duty type					
bearing lifetime												Direction of rotation					
L _{10mh} F _{Rad min} for coupling operation						40000 h			32000 h			Frame material					
50 60Hz ¹⁾												aluminum					
Regreasing device						Without						Net weight of the motor (IM B3)					
Grease nipple						-/-						Coating (paint finish)					
Type of bearing						Preloaded bearing DE						Color, paint shade					
Condensate drainage holes						Without						Motor protection					
External earthing terminal						Without						(B) 1 PTC thermistor - for tripping (2 terminals)					
												IC416 - separately ventilated, surface cooled					
												Method of cooling					

Terminal box																	
Terminal box position						top						Main cable entry					
Material of terminal box						Aluminium						Main cable gland					
Type of terminal box						TB1 E00						Auxiliary cable entry					
Contact screw thread						3xM4						Auxiliary cable gland					
Max. cross-sectional area						4 mm ²											

I_A/I_N = locked rotor current / current nominal
M_K/M_N = locked rotor torque / torque nominal
M_B/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	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents 	
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Special design

F70 Mounting of separately driven fan G11 Rotary pulse encoder Sendix 5020 (HTL)

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