

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

Motor type : 1AV112L			INNOMOTICS GP - 112 M - (F) IM B5 / IM3001 - p								
Client order no.			Item-No.						Offer no.		
Order no.			Consignment no.						Project		
Remarks											

Electrical data												-/-	
U	Δ/Y	f	P	P	I	n	M	η ¹⁾	cosφ ¹⁾	I _{th} /I _N	M _{th} /M _N	M _{th} /T _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4
DOL duty (S1) - 155(F) to 130(B)													
415		50	1.01	-/-	3.55	715		66.5			0.60		3.5
415		50	1.75	-/-	3.76	1440		80.9			0.87		5.9
(F) IM B5 / IM3001			FS 112 M					IECEN 60034					

Environmental conditions : -20 °C - +50 °C / 1000 m											
Exception from EU 2019/1781 acc. to Article 2 (2) (n)											

Mechanical data																
Sound level (SPL / SWL) at 50Hz/60Hz		/ dB(A) ¹⁾		/ dB(A) ¹⁾		Duty type			S1 = continuous operation							
Moment of inertia		0.0100 kg m ²		Direction of rotation			bidirectional									
Bearing DE NDE		6306 22C3		6306 22C3		Frame material			aluminum							
Regreasing device		40000		Net weight of the motor			31 kg									
Type of bearing		Preloaded bearing NDE		Coating (paint finish)			Special paint finish, resistant to salt-laden air C4									
Condensate drainage holes		No		Color, paint shade			RAL7035									
External earthing terminal		No		Motor protection			Without									
Vibration severity grade		A (standard)		Method of cooling			IC 411									
Thermal class		F														

Terminal box											
Terminal box position		Terminal box - at the right		Max. cross-sectional area			4 mm ²				
Material of terminal box		Aluminium		Cable diameter from ... to ...			11 mm - 21 mm				
Type of terminal box		TB1 FDO		Cable entry			2xM32x1,5-1xM16x1,5				
Contact screw thread		M4		Cable gland			3 plugs				

I_N = locked rotor current / current internal
M_{th}/M_N = locked rotor torque / torque nominal
M_{th}/M_N = break down torque / nominal torque

1) I_N according to DIN ISO 281 102010
2) at rated power / at full load

3) Value is valid only for DOL operation with motor design K41

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Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! They may be discrepancies between calculated and rating plate values.	Link documents 		
	Document type	Document status Released					
	Document title	Document number TDS-250609-143818					
	1LE1011-1BL29-0FA5-Z						
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Branding disclaimer applies

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