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



Motor type: 1AV3130B INNOMOTICS GP - 132 S - IM B5 - 4p Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/η 3) Δ/Υ U f Р Р ī М cosφ ³⁾ I_A/I_N M_A/M_N M_K/M_N IE-CL n [V] [Hz] [kW] [hp] [A] [1/min] [Nm] 4/4 3/4 4/4 I_I/I_N T_I/T_N T_B/T_N 2/4 3/4 2/4 **DOL duty (S1)** - 155(F) to 130(B) 230 Δ 50 5.50 18.80 1470 35.5 89.6 90.0 89.4 0.82 0.77 0.67 8.5 2.9 3.7 IE3 400 50 5.50 -/-10.80 1470 0.77 0.67 2.9 3.7 IE3 35.5 89.6 90.0 89.4 0.82 8.5 Υ 460 60 6.30 -/-10.40 1770 91.7 92.0 91.3 0.79 0.69 2.7 3.7 IE3 34.0 0.83 8.7 Υ 29.5 90.5 IE3 460 60 5.50 9.30 1775 91.7 91.6 0.81 0.76 0.65 10.0 3.1 4.2 IM B5 / IM 3001 FS 132 S UKCA IEC/EN 60034 IEC, DIN, ISO, VDE, EN Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 22.8 s | 29.1 s Mechanical data 64 / 76 dB(A) 2) 3) Sound level (SPL / SWL) at 50Hz|60Hz 68 / 80 dB(A) 2) 3) Vibration severity grade Α Moment of inertia 0.0340 kg m² Thermal class F Bearing DE | NDE 6208 2Z C3 6208 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) 54 kg Coating (paint finish) Standard paint finish C2 Grease nipple Preloaded bearing DE RAL7030 Type of bearing Color, paint shade (K) 1 Pt1000 resistance thermometer(2 terminals) Condensate drainage holes Without Motor protection IC416 - separately ventilated, surface cooled External earthing terminal Without Method of cooling Terminal box Terminal box position top Max. cross-sectional area 6 mm^2 Material of terminal box Aluminium Cable diameter from ... to ... 11 mm - 21 mm Type of terminal box TB1 H00 2xM32x1,5-1xM16x1,5 Cable entry Contact screw thread Μ4 Cable gland 3 plugs 1) L_{10mh} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411 IA/IN = locked rotor current / current nominal M_A/M_N = locked rotor torque / torque nominal 2) at rated power / at full load M_K/M_N = break down torque / nominal torque Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

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		
	Document type			Document status				
DOLLUMUM	Technical data sheet				Released			
INNOMOTICS	Document title				Document number			
	1LE1003-1CB02-2FK4-Z			TDS-240828-095622				
Restricted	D47+F01+F11+F70+G11				Revision	Creation date	Language	Page
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Special c	design							
D47	TR CU product safety	certificate EAC for the Eur	asian Customs Union	F70 Moun	ting of sepa	arately d	riven fan	
F01	Mounting of holding	G11 Rotary	y pulse enco	oder Sen	dix 5020 (HTL)			
F11	Brake supply voltage	, 230 V AC, 50/60 Hz						
Additio	nal information:							
Brake:								
Description		BFK458-16		Current:			.27 A	2
Voltage:		AC 230 V		Moment of inert	ia:		0.001500 kgm	2
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