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



Motor type : 1AV2094A SIMOTICS GP - 90 L - IM B3 - 2p Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/-U Δ/Υ f Р Р ī М η 3) $cos\phi^{\ 3)}$ 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 2/4 I_I/I_N T_I/T_N T_B/T_N 2/4 3/4 **DOL duty (S1)** - 155(F) to 130(B) 230 Δ 50 2.20 7.80 2890 7.3 83.2 83.7 82.0 0.85 0.77 0.64 7.1 2.5 3.7 IE2 400 50 2.20 -/-4.50 0.77 2.5 2890 7.3 83.2 83.7 82.0 0.85 0.64 7.1 3.7 IE2 Υ 460 60 2.55 -/-4.35 3485 7.0 85.5 86.0 84.4 0.80 0.68 7.6 3.9 IE2 0.86 2.6 Υ -/-IE2 460 60 3.90 3510 6.0 85.5 85.2 82.6 0.83 0.76 0.62 8.7 3.0 4.6 2.20 IM B3 / IM 1001 FS 90 L UKCA IEC/EN 60034 IEC, DIN, ISO, VDE, EN Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 4.1 s | 7.7 s Mechanical data 65 / 77 dB(A) 2) 3) Sound level (SPL / SWL) at 50Hz|60Hz 69 / 81 dB(A) 2) 3) Vibration severity grade Α Thermal class Moment of inertia 0.0021 kg m² F Bearing DE | NDE **S**1 6205 2Z C3 6004 2Z C3 Duty type 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) 15 kg Coating (paint finish) Standard paint finish C2 Grease nipple Preloaded bearing DE Color, paint shade RAL7030 Type of bearing Condensate drainage holes Without Motor protection (B) 1 PTC thermistor - for tripping (2 terminals) External earthing terminal Without Method of cooling IC411 - self ventilated, surface cooled Terminal box Terminal box position top Max. cross-sectional area 1.5 mm² Material of terminal box Aluminium Cable diameter from ... to ... 9 mm - 17 mm Type of terminal box TB1 E00 1xM25x1,5-1xM16x1,5 Cable entry Contact screw thread Μ4 Cable gland 2 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 2) at rated power / at full load M_A/M_N = locked rotor torque / torque nominal $M_K/M_N = break down torque / nominal torque$ 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.

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Motor type : 1AV2094	4	SIMOTICS GP	- 90 L - IM B3 - 2p						
Special design									
	CE character for export outside 9/1781)	the EEA (see EU							
regulation 201	5/1/01)								
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