Data sheet for three-phase Squirrel-Cage-Motors INNOMOTICS INNOMOTICS GP - 90 L - IM B5 - 4p Motor type: 1AV3094B Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/cosφ <sup>3)</sup> U Δ/Υ f Р Р ī М η 3)  $I_A/I_N$ M<sub>A</sub>/M<sub>N</sub>  $M_K/M_N$ IE-CL n [V] [Hz] [kW] [hp] [A] [1/min] [Nm] 4/4 3/4 2/4 4/4 2/4  $I_I/I_N$  $T_I/T_N$  $T_B/T_N$ 3/4 **DOL duty (S1)** - 155(F) to 130(B) 500 Υ 50 1.50 2.55 1445 9.9 85.3 85.7 0.80 0.73 0.60 7.3 2.9 3.5 IE3 Υ 575 60 1.75 -/-2.55 1740 9.6 86.5 86.7 85.4 0.80 0.74 0.62 7.7 2.9 3.7 IE3 Υ IE3 575 60 1.50 1755 8.2 86.5 86.6 84.7 0.77 0.69 0.57 3.4 4.3 2.25 8.6 IM B5 / IM 3001 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): 17.3 s | 21.5 s Mechanical data 56 / 68 dB(A) 2) 3) Sound level (SPL / SWL) at 50Hz|60Hz 58 / 70 dB(A) 2) 3) Vibration severity grade Α 0.0049 kg m<sup>2</sup> Thermal class Moment of inertia F Bearing DE | NDE 6004 2Z C3 **S**1 6205 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) 19 kg Grease nipple Coating (paint finish) Standard paint finish C2 Preloaded bearing DE Color, paint shade RAL7030 Type of bearing Condensate drainage holes Without Motor protection (A) without (Standard) External earthing terminal Without Method of cooling IC411 - self ventilated, surface cooled Terminal box Terminal box position top Max. cross-sectional area 1.5 mm<sup>2</sup> Material of terminal box Aluminium Cable diameter from ... to ... 9 mm - 17 mm Type of terminal box TB1 E00 1xM25x1,5 Cable entry Cable gland Contact screw thread Μ4 1 plug 1) L<sub>10mh</sub> according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411 I<sub>A</sub>/I<sub>N</sub> = locked rotor current / current nominal 2) at rated power / at full load M<sub>A</sub>/M<sub>N</sub> = locked rotor torque / torque nominal M<sub>K</sub>/M<sub>N</sub> = 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 typ	pe :1AV3094B		INNOMOTIC	S GP - 90 L - IM B5 - 4	łр				
Special de	esign								
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