Data sheet for three-phase Squirrel-Cage-Motors INNOMOTICS Motor type : 1CV2252C INNOMOTICS SD - 250 M - IM B3 - 6p 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) 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 2/4 4/4 I_I/I_N T_I/T_N T_B/T_N 3/4 2/4 **DOL duty (S1)** - 155(F) to 130(B) 400 Δ 50 37.00 70.00 982 360.0 92.2 93.1 0.83 0.80 0.72 6.0 2.8 2.5 IE2 460 Δ 60 44.50 -/-73.00 1180 360.0 91.7 92.5 92.5 0.84 0.82 0.75 6.3 2.7 2.3 IE1 Δ IE2 460 60 37.00 60.00 1185 300.0 93.0 93.3 92.6 0.83 0.79 0.70 7.3 3.3 2.8 IM B3 / IM 1001 IEC/EN 60034 IEC, DIN, ISO, VDE, EN FS 250 M Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 21.9 s | 34.4 s Mechanical data 62 / 77 dB(A) 2) 3) Sound level (SPL / SWL) at 50Hz|60Hz 66 / 79 dB(A) 2) 3) Vibration severity grade Α Thermal class Moment of inertia 0.8600 kg m² F Bearing DE | NDE **S**1 6215 Z C3 6215 Z 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 cast iron Regreasing device Without Net weight of the motor (IM B3) 370 kg Grease nipple Coating (paint finish) Standard paint finish C2 Locating bearing NDE Color, paint shade RAL7030 Type of bearing Condensate drainage holes With (standard) Motor protection (B) 3 PTC thermistors - for tripping (2 terminals) External earthing terminal With (standard) Method of cooling IC411 - self ventilated, surface cooled Terminal box Terminal box position top Max. cross-sectional area 120 mm² Material of terminal box cast iron Cable diameter from ... to ... 34 mm - 42 mm Type of terminal box TB1 N01 2xM63x1,5-2xM20x1,5 Cable entry Contact screw thread M10 Cable gland 4 plugs 1) L_{10mh} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411 I_A/I_N = 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

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	Technical data sheet				Released			
	Document title			Document number				
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Restricted	D22+D47+G11				Revision	Creation date	Language	Page
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