Data sheet for three-phase Squirrel-Cage-Motors INNOMOTICS Motor type : 1CV3205A INNOMOTICS SD - 200 L - IM B3 - 2p Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/cosφ ³⁾ U Δ/Υ f Р Р ī М η 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) 380 Δ 50 37.00 68.00 2955 120.0 93.7 94.2 94.0 0.88 0.85 0.78 7.1 2.5 3.2 IE3 50 37.00 -/-39.50 0.88 0.85 0.78 3.2 660 2955 120.0 93.7 94.2 94.0 7.1 2.5 IE3 Δ 440 60 41.50 -/-66.00 3555 93.0 93.3 92.9 0.89 0.87 0.80 7.1 2.5 3.2 IE2 111.0 Δ -/-92.3 IE3 440 60 37.00 59.00 3560 99.0 93.0 93.1 0.88 0.85 0.77 7.6 2.7 3.3 IM B3 / IM 1001 UKCA IEC/EN 60034 IEC, DIN, ISO, VDE, EN FS 200 L Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 27.7 s | 46.8 s Mechanical data 74 / 81 dB(A) 2) 3) Sound level (SPL / SWL) at 50Hz|60Hz 79 / 86 dB(A) 2) 3) Vibration severity grade Α Thermal class Moment of inertia 0.1580 kg m² F Bearing DE | NDE **S**1 6212 2Z C3 6212 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 cast iron Regreasing device Without Net weight of the motor (IM B3) 250 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 $25 \; mm^2$ Material of terminal box cast iron Cable diameter from ... to ... 27 mm - 35 mm Type of terminal box TB1 L01 2xM50x1,5-2xM20x1,5 Cable entry Contact screw thread М6 Cable gland 4 plugs

 $I_A I_N =$ locked rotor current / current nominal $M_A / M_N =$ locked rotor torque / torque nominal $M_K / M_N =$ break down torque / nominal torque

1) $L_{\rm 10mh}$ according to DIN ISO 281 10/2010

2) at rated power / at full load

3) Value is $\,$ valid $\,$ only for DOL operation with motor design IC411 $\,$

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INNOMOTICS	Technical data sheet				Released			
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Special design									
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