## Data sheet for three-phase Squirrel-Cage-Motors INNOMOTICS Motor type : 1CV2286C INNOMOTICS SD - 280 M - IM B3 - 6p Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/η 3) U Δ/Υ f Р Р ī М cosφ <sup>3)</sup> $I_A/I_N$ 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 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) 380 Δ 60 90.00 169.00 1185 730.0 94.1 94.8 94.8 0.86 0.83 0.76 6.7 3.0 2.7 IE2 90.00 -/-97.00 1185 0.86 0.83 2.7 660 60 730.0 94.1 94.8 94.8 0.76 6.7 3.0 IE2 Δ 380 60 75.00 -/-144.00 1188 600.0 94.1 94.3 93.9 0.80 0.70 IE2 0.84 8.0 3.7 3.2 Υ -/-IE2 60 75.00 600.0 94.1 94.3 93.9 0.84 0.80 0.70 8.0 3.7 3.2 660 83.00 1188 IM B3 / IM 1001 IEC/EN 60034 IEC, DIN, ISO, VDE, EN FS 280 M Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 13.4 s | 23.4 s Mechanical data Sound level (SPL / SWL) at 50Hz|60Hz 66 / 80 dB(A) 2) 3) 69 / 83 dB(A) 2) 3) External earthing terminal With (standard) Moment of inertia 1.8000 kg m<sup>2</sup> Vibration severity grade Bearing DE | NDE 6317 C3 6317 C3 Thermal class F bearing lifetime Duty type S1 $L_{10mh}\,F_{Rad\,\,min}$ for coupling operation $50|60Hz^{\,1)}$ 40000 h 32000 h Direction of rotation bidirectional 30 g | 30 g 8000 h Relubrication interval/quantity DE | NDE Frame material cast iron Net weight of the motor (IM B3) 570 kg Lubricants Unirex N3 Regreasing device With (standard) Coating (paint finish) Standard paint finish C2 Grease nipple M10x1 DIN 3404 A Color, paint shade RAL7030 Type of bearing Locating bearing NDE Motor protection (A) without (Standard) Condensate drainage holes With (standard) Method of cooling IC411 - self ventilated, surface cooled Terminal box Terminal box position Max. cross-sectional area 120 mm<sup>2</sup> top 34 mm - 45 mm Material of terminal box cast iron Cable diameter from ... to ... Type of terminal box TB1 N01 Cable entry 2xM63x1,5 Contact screw thread M10 Cable gland 2 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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Restricted	D22+D47				Revision	Creation date	Language	Page
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