Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS SIMOTICS SD - 160 L - IM B3 - 2p Motor type: 1CV3164A 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) 400 Δ 50 18.50 32.00 2955 60.0 92.4 92.8 0.90 0.87 0.80 9.0 2.8 4.2 IE3 690 50 18.50 -/-18.60 0.87 0.80 4.2 2955 60.0 92.4 92.8 92.4 0.90 9.0 2.8 IE3 Δ 460 60 21.30 -/-32.00 3555 57.0 91.7 91.5 90.3 0.91 0.88 0.80 9.0 4.2 IE3 2.6 Δ 91.5 IE3 460 60 18.50 28.50 3560 49.5 91.7 90.3 0.89 0.86 0.78 10.2 3.0 4.8 IM B3 / IM 1001 FS 160 L UKCA IEC/EN 60034 IEC, DIN, ISO, VDE, EN Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 13.5 s | 19.9 s Mechanical data 70 / 82 dB(A) 2) 3) Sound level (SPL / SWL) at 50Hz|60Hz 77 / 89 dB(A) 2) 3) Vibration severity grade Α Thermal class Moment of inertia 0.0680 kg m² F Bearing DE | NDE **S**1 6209 2Z C3 6209 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) 127 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 (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 $16 \, mm^2$ Material of terminal box cast iron Cable diameter from ... to ... 19 mm - 28 mm Type of terminal box TB1 J01 2xM40x1,5 Cable entry Cable gland Contact screw thread М5 2 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 M_A/M_N = locked rotor torque / torque nominal 2) at rated power / at full load 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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	Document type				Document status		1999	
SIEMENS	Technical data sheet				Released			
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