

# Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 13 726 - 99 HH

Company Maszyny Elektryczne CELMA S.A.  
ul. 3 Maja 19  
43-400 Cieszyn, POLAND

Product Description Induction Motors

Type m2Sg 200 .... 280, m2SLg 200 .... 280, m2SKg 200 .... 280  
m3Sg 160 .... 180, m3SLg 160 .... 180, m3SKg 160 .... 180

Environmental Category H

Technical Data / Range of Application  
Size: 160, 180, 200, 225, 250, 280, S, M, L  
Rated voltage: 220 V up to 690 V  
Rated power: S1 4 kW up to 99 kW  
Synchronous speed: 750 1/min up to 3600 1 /min  
Rated frequency: 50 Hz, 60 Hz  
Ambient temperature: 45 °C, 50 °C  
Duty type: S1  
Thermal class: B and F  
Degree of protection: IP 54, IP 56  
No. of poles: 2, 4, 6, 8  
Spec. model: For marine environments

Test Standard IEC 60034-1:2005-04, PN EN 60034-1-2009-4  
GL Regulations for the Performance of Type Tests, part 4, edition 1999

Documents Drawings R1-935.340-369 dt. 92-07-20, R1-935.400-429 dt. 92-07-07  
Catalogues: M11/01-96/7-25, M11/02-96/7-25 + 02/M-EN/2007  
Testreports 3/T J3/GL/99 - 02.1999, m2Sg 225 S4 - 15.09.2009  
Motor winding data sheet KUS-500.030 - 503.027

Remarks None

Valid until 2014-10-27

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Type Approval Symbol



File No. I.G.03

Hamburg, 2009-10-28

Germanischer Lloyd

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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".