



Germanischer Lloyd

# 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. 33 445 - 06 HH

Company Dutchi Motors B.V.  
Van Oldenbarneveldstraat 85A  
6828 ZN Arnhem, NETHERLANDS

Product Description Induction motors  
Cast iron motors

Type DM1 80 up to DM1 400

Environmental Category H

Technical Data / Range of Application Place of manufacturing: Wuxi Huada Motors Co. Ltd.  
251 Junmin Rd., Huazhuang Town  
Wuxi, Jiangsu Prov. PR China 214131

Sizes: K, G, S, L, Lx, Ly, Lz, M, Mx, My  
Rated voltage: 220 V up to 990 V  
Rated power: S1 0,09 kW up to 725 kW  
Duty Type: S1, S2-10min, S2-30min, S3, S6-20%, S6-40%, S6-60%  
Synchronous speed: 500 1/min up to 3600 1/min + combinations  
Rated frequency: 50 Hz, 60 Hz  
Ambient temperature: 45° C  
Insulation class: F  
Degree of protection: IP 55, IP 56  
No. of poles: 2, 4, 6, 8, 10, 12 and combinations  
Spec. model: For marine applications / environments

Test Standard IEC 60034-1, 1999-08  
GL Regulations for the Performance of Type Tests, part 4, edition 1999

Documents Drawing DM1-132S6/4L-15-/4.5kW 10113201312901 dated 06.10.27  
Technical data: DM1-200LX6/11.10.06 + Betriebsanleitung DEU000110HvD  
Test reports: 2381804001, 2381805001, 2381802001dated 2006.10.27  
Catalogue: Dutchi version 2003/2004

Remarks None

Valid until 2012-03-15

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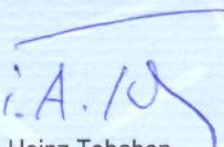
Type Approval Symbol



File No. I.G.03

Hamburg, 2007-03-16

Germanischer Lloyd

  
Heinz Tobaben

  
Heinz-Dieter Hespe

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