

Type Approval Certificate



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

Certificate No.	61 999 - 14 HH
Company	Shanghai Top Motor Co., Ltd. No.303 Kangliu Road Kangqiao Town Pudong, Shanghai, 201315, CHINA
Product Description	Induction Motors Aluminium frame
Type	MS., MS2., frame sizes 56 up to 200 T1A., T2A., T3A., T4A., TAP., frame sizes 56 up to 200
Environmental Category	H
Technical Data / Range of Application	Place of manufacturing: 1. SHANGHAI TOP MOTOR CO., LTD. No. 303 KANGLIU Rd, KANGQIAO Town 2. SHANGHAI HIMAK ELECTRICAL MA.. CO., LTD. No. 568 YUANXI Rd, NANHUI Industry Area both located in Pudong, Shanghai, P. R. China Sizes: 1, 2, 3, S, S1, S2, M, M1, M2, L, L1, L2 Rated voltage: 220 V up to 690 V Rated power, Duty Type: S1 0,09 kW up to 37 kW Synchronous speed: 750 1/min up to 3600 1/min Rated frequency: 50 Hz, 60 Hz Ambient temperature: 45 °C Thermal class: 155 (F) Degree of protection: IP 55, IP 56, IP 65 No. of poles: 2, 4, 6 and 8 Spec. model: For marine applications / environments
Test Standard	IEC 60034-1:2010-02 GL Regulations for the Performance of Type Tests, part 4, edition 1999
Documents	Drawing: 1TB.010.166 - 172.A-0 dated 2014-03-13 Technical data: TECHTOP MS-serie, page 3 to 5 Test report: T2A 180L-4, Report No. 20140311002 dated 2014.03.11 Catalogue: SHANGHAI TOP MOTOR CO., LTD, TECHTOP Motor 2013
Remarks	None
Valid until	2019-04-01
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File No.	I.G.03
Hamburg, 2014-04-02	

Type Approval Symbol



Germanischer Lloyd

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Wolfgang Voß Heinz-Dieter Hespe

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

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Certificate No. 62 000 - 14 HH

Company Shanghai Top Motor Co., Ltd.

No.303 Kangliu Road Kangqiao Town
Pudong, Shanghai, 201315, CHINA

Product Description Induction Motors
Cast iron frame

Type T1C., T2C., T3C., frame sizes 80 up to 355
TCL., TCP., frame sizes 80 up to 355

Environmental Category H

Technical Data / Range of Application Place of manufacturing: SHANGHAI HIMAK ELECTRICAL MA.. CO., LTD.
No. 568 YUANXI Rd, NANHUI Industry Area
Pudong, Shanghai, P. R. China

Sizes: 1, 2, 3, S, S1, S2, M, M1, M2, L, L1, L2
Rated voltage: 220 V up to 690 V
Rated power, Duty Type: S1 0,75 kW up to 315 kW
Synchronous speed: 750 1/min up to 3600 1/min
Rated frequency: 50 Hz, 60 Hz
Ambient temperature: 45 °C
Thermal class: 155 (F)
Degree of protection: IP 55, IP 56, IP 65
No. of poles: 2, 4, 6 and 8
Spec. model: For marine applications / environments

Test Standard Guidelines for the Performance of Type Approvals, Chapter 2- Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012

Documents Drawing: 8MHY.010.T035; 8MHY.010.T036 dated 2014-03-12
Technical data: TECHTOP, T.C-serie page 44 - 46
Test report: T3C 315L2-6, Report No. 20140312001 dated 2014.03.11
Catalogue: SHANGHAI TOP MOTOR CO., LTD, TECHTOP Motor 2013

Remarks None

Valid until 2019-04-01

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