

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. 96 753 - 95 HH

Company VEM motors Thurm GmbH
Äußere Dresdener Straße 35
08066 Zwickau, GERMANY

Product Description Induction motors, Ex-protected (increased safety)

Type IE*-KPR 80 ... up to IE*-KPR 100 ...
IE*-KPER 56 ... up to IE*-KPER 132 ... / KPER 56 ... up to KPER 132 ...

Environmental Category H

Technical Data /
Range of Application

Sizes:	56, 63, 71, 80, 90, 100, 112, 132 K-G-L-LX-M-MX-MZ-S-SX
Rated voltage:	up to 725 V
Rated power:	0,12 kW up to 5,5 kW
Synchronous speed:	750 1/min up to 3600 1/min
Rated frequency:	50 Hz, 60 Hz
Ambient temperature:	45° C
Duty type:	S1
Insulation class:	F
Degree of protection:	IP 54, IP 55, IP 56, IP65, IP 66
No. of poles:	2, 4, 6, 8 and combinations
Spec. model:	Marine version
Designation:	Ex e II T1, T2, T3 or T4 (increased safety)
Description of type:	IE*- = * = 1, 2 or 3

Test Standard EN 60034-1 / April 2005
GL Guidelines for the Performance of Type Approvals, VI-7-6 part 4, ed. 1999

Documents Drawing 05-0001:93 dated 03.06.2010, DSRK-Approval No. 303 54 134
Worksstandard ET-N111131.01h, 111131.02g, 111131.03g, 111131.07s, 113800.200
Test reports 0312704001301H/31.01.03, 2.2 acc. to DIN 50049 / EN 10204
Modification list dated 27.07.00

Remarks Conditions and remarks of the certificates of conformity issued by PTB and IBExU
Freiburg must be observed

Valid until 2015-08-26

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Type Approval Symbol



File No. I.G.03

Hamburg, 2010-08-27

Germanischer Lloyd

W. Voß
Wolfgang Voß

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

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Certificates of Conformity of Physikalisch-Technische Bundesanstalt PTB and IBExU Freiberg

Type of motors Certificates of Conformity

K.. 56... - K.. 132...	IBExU 02 ATEX 1108 U	Ex II 2 G Ex e II
K.. 56...	PTB 99 ATEX 3308 or IBExU 02 ATEX 1109	Ex II 2 G Ex e II T1, T2, T3 or T4
K.. 63 ...	PTB 99 ATEX 3309 or IBExU 02 ATEX 1110	Ex II 2 G Ex e II T1, T2, T3 or T4
K.. 71 ...	PTB 99 ATEX 3310 or IBExU 02 ATEX 1111	Ex II 2 G Ex e II T1, T2, T3 or T4
K.. 80 ...	PTB 99 ATEX 3311 or IBExU 02 ATEX 1112	Ex II 2 G Ex e II T1, T2, T3 or T4
K.. 90 ...	PTB 99 ATEX 3312 or IBExU 02 ATEX 1113	Ex II 2 G Ex e II T1, T2, T3 or T4
K.. 100 ...	PTB 99 ATEX 3313 or IBExU 02 ATEX 1114	Ex II 2 G Ex e II T1, T2, T3 or T4
K.. 112 ...	PTB 99 ATEX 3314 or IBExU 02 ATEX 1115	Ex II 2 G Ex e II T1, T2, T3 or T4
K.. 132 ...	IBExU 02 ATEX 1116	Ex II 2 G Ex e II T1, T2, T3 or T4

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Certificate No. 70 072 - 91 HH

Company VEM motors Thurm GmbH
Äußere Dresdener Straße 35
08066 Zwickau, GERMANY

Product Description Induction motors

Type KPR 56 up to KPR 100 / KPER 56 up to KPER 132
IE*-KPR 56 up to IE*-KPR 100 / IE*-KPER 56 up to IE*-KPER 132

Environmental Category H

Technical Data / Range of Application
Sizes: 56, 63, 71, 80, 90, 100, 112, 132
K-KU-KY-G-GV-GX-GZ-L-LV-LW-LX-LZ-M-MV-MX-MZ-S-SX
Rated voltage: up to 690 V
Rated power: 0,105 kW up to 9,0 kW (max. 11 kW at short time duty)
Synchronous speed: 750 1/min up to 3600 1/min
Rated frequency: 50 Hz, 60 Hz
Ambient temperature: 45° C
Duty type: S1
Insulation class: F, H
Degree of protection: IP 54, IP 55, IP 56, IP 65, IP 66
No. of poles: 2, 4, 6, 8, 10, 12 and combinations
Spec. model: Marine version
Description of type: IE* = * = 1, 2 or 3
Valid for all variants independent of voltage, power, speed and type of construction

Test Standard EN 60034-1 / April 2005
GL Guidelines for the Performance of Type Approvals, VI-7-6 part 4, ed. 1999

Documents Drawing 05-0001:04(1) dated 05.01.1995, DSRK-Approval No. 303 54 134
Worksstandard ET-N111131.01h, 111131.02g, 111131.03g, 111131.07s
Test reports 0312704001301H/31.01.03, 2.2 acc. to DIN 50049 / EN 10204
Modification list dated 27.07.00

Remarks None

Valid until 2015-08-26

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Heinz-Dieter Hesse

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