

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. 89 736 - 94 HH

Company VEM motors GmbH
Elektromotorenwerk Wernigerode
Carl-Friedrich-Gauß-Straße 1
38855 Wernigerode, GERMANY

Product Description Induction motors
for marine applications / environments

Type K1xR, K2xR, WExR, W2xR 112 up to 315, K22R 355
IE*-K1xR, IE*-K2xR, IE*-WExR, IE*-W2xR, IE*-W4xR 112 up to 355

Environmental Category H

Technical Data / Range of Application
Sizes: 112, 132, 160, 180, 200, 225, 250, 280, 315, 355
Rated voltage: up to 750 V
Rated power: 0,5 kW up to 500 kW
Synchronous speed: 250 1/min up to 3600 1/min
Rated frequency: 50 Hz, 60 Hz
Ambient temperature: 45° C
Duty type: S1- S9
Thermal class: 155 [F], optional 180 [H]
Degree of protection: IP 55, IP 56, IP 66
No. of poles: 2, 4, 6, 8, 10, 12, 16, 24 and combinations
Spec. model: SS (Seewasserschutz), resistant to seawater

Valid for all variants independent of voltage, power, speed, type of construction

Description of type: * = 1, 2 or 3 (Efficiency class acc. To IEC)
x = 1, 2, 3 (Code for VEM construction type)

Test Standard DIN EN 60034 - 1 / April 2005

Documents Drawings ZA 744 / 01.09.93, ZA 745 / 10.09.93
Descriptions and technical data: ZA 744, BI. 1-5/09.93; EW-N 1002, BI 13-01.2005
Works acceptance certificates, test reports dated 1.+2.12.1993/11.06.2009
Testreport K22R 355My4, Ser. No. 137326/0001

Remarks None

Valid until 2019-01-25

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File No. I.G.03

Hamburg, 2014-05-22

Type Approval Symbol



Germanischer Lloyd

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Certificate No. 89 735 - 94 HH

Company VEM motors GmbH
Elektromotorenwerk Wernigerode
Carl-Friedrich-Gauß-Straße 1
38855 Wernigerode, GERMANY

Product Description Induction motors
for marine applications / environments

Type K10R, K20R, WE0R, W20R 112 up to 315
IE*-K10R, IE*-K20R, IE*- WE0R, IE*-W20R 112 up to 315

Environmental Category H

Technical Data / Range of Application
Sizes: 112, 132, 160, 200, 225, 250, 280, 315
Rated voltage: up to 750 V
Rated power: 0,5 kW up to 300 kW
Synchronous speed: 250 1/min up to 3600 1/min
Rated frequency: 50 Hz, 60 Hz
Ambient temperature: 45° C
Duty type: S1- S 9
Thermal class: 155 [F], optional 180 [H]
Degree of protection: IP 55, IP 56, IP 66
No. of poles: 2, 4, 6, 8, 10, 12, 16, 24 and combinations
Spec. model: SS (Seewasserschutz), resistant to seawater

Valid for all variants independent of voltage, power, speed, type of construction

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Descriptions and technical data: ZA 744, BI. 1-5/09.93; EW-N 1002, BI 13-01.2005
Works acceptance certificates
Test reports dated 01. + 02. 12. 1993

Remarks None

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