

EC type examination certificate



Product Service

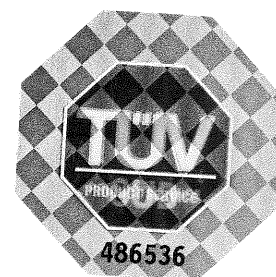
No.: EX5 03 06 39250 007

according to annex III of the Council Directive no. 94/9/EC referring to devices and protective systems for the intended use in explosive atmospheres for

**MAICO Elektroapparate-Fabrik GmbH
Steinbeisstr. 20
78056 Villingen-Schwenningen
Germany**

Product: Fans, blowers

Model: DZ...20/2 B E Ex e
DZ...25/2 B E Ex e
DZ...20/4 B E Ex e
DZ...25/4 B E Ex e
DZ...30/4 B E Ex e
DZ...35/4 B E Ex e
(...= Q, S, R, D for the design)



**Characteristics: Device group II, category 2
Ex II 2 G, EEx e II T 4 respectively Ex II 2 G, EEx e II T 3
125 V up to 500 V, 50 Hz**

The device designated above corresponds to the relevant regulations of the directive.

This certificate is based on the test sample presented for the test and the certification as well as on its technical documentation. The detailed test results as well as the technical documentation will be described in the test report.

Test report number: 70025085

This certificate refers exclusively to the test sample provided to TÜV PRODUCT SERVICE for the test. Therefore, it is not limited in time.

Approved by the certification body of TÜV PRODUCT SERVICE with the above EC type examination certificate number.

Date: 1st July 2003

TÜV PRODUCT SERVICE GMBH is a named body according to the Council Directive no. 94/9/EC referring to devices and protective systems with the identification number 0123 for the intended use in explosive atmospheres.

12/98

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Translation of the original Certificate



Product Service

Attachment to the EC type examination certificate EX5 03 06 39250 007

**MAICO Elektroapparate-Fabrik GmbH
Steinbeisstr. 20
78056 Villingen-Schwenningen
Germany**

Fans of the DZ series

Conditions for the placing on the market and for the construction

1. Each fan must be delivered with an appropriate junction box corresponding to the requirements of the directive 94/9/EC.
2. Each fan motor must be connected via an appropriate (the admissible temperature for the temperature class must not be exceeded) PTC resistor tripping device corresponding to the requirements of the directive 94/9/EC which separates the fan motor from the energy supply after the tripping.



PRODUCT SERVICE

**1st supplement to the
EC type examination certificate EX5 03 06 39250 007
issued on 3rd June 2004**

Customer: MAICO Elektroapparate-Fabrik GmbH
Steinbeisstr. 20

D-78056 Villingen-Schwenningen

Place of manufacture: Please see customer

Evaluation object: Fan series of the device group II, category 2 G
DZQ...40/4 B E Ex e, EEx e II T4
DZQ 45/4 B E Ex e, DZR 45/4 B E Ex e, EEx e II T4
DZ... 50/4 B E Ex e, DZ... 60/6 B E Ex e, EEx e II T3
(...= Q, S, R, D for the design)

Test specification: Basic requirements of the directive 94/9/EC
The application of the following standards has been considered helpful:
EN 50014:1997 + Corrigendum:1998 + A1:1999 + A2:1999,
EN 50019:2000, EN 1127-1:1997, VDMA 24169:1983

Evaluation task: EC type examination according to annex III - directive 94/9/EC

Test result: The presented devices meet the requirements of the test specification.

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TÜV Product Service GmbH
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70794 Filderstadt
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1st supplement to the EC type examination certificate EX5 03 06 39250 007
MaicoDZ_supplement
Project manager: Klaus Gohlke
3rd June 2004

**2nd supplement to the
EC type examination certificate EX5 03 06 39250 007
issued on 3rd August 2004**

Customer: MAICO Elektroapparate-Fabrik GmbH
Steinbeisstr. 20

D-78056 Villingen-Schwenningen

Place of manufacture: Please see customer

Evaluation object: Fan series of the device group II, category 2 G
DZQ, D, R, S 30/6 B E Ex e, EEx e II T4
DZQ, D, R, S 35/6 B E Ex e, EEx e II T4
DZQ, D, R, S 40/6 B E Ex e, EEx e II T4
DZQ, R 45/6 B E Ex e, EEx e II T4
DZQ, D, R, S 50/6 B E Ex e, EEx e II T4
(...= Q, D, R, S for the design)

Test specification: Basic requirements of the directive 94/9/EC
The application of the following standards has been considered helpful:
EN 50014:1997 + Corrigendum:1998 + A1:1999 + A2:1999,
EN 50019:2000, EN 1127-1:1997, VDMA 24169:1983

Evaluation task: EC type examination according to annex III - directive 94/9/EC

Test result: The presented devices meet the requirements of the test specification.

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2nd supplement to the EC type examination certificate EX5 03 06 39250 007
MaicoDZ_2supplement
Project manager: Klaus Gohlke
3rd August 2004

**3rd supplement to the
EC type examination certificate EX5 03 06 39250 007
issued on 3rd May 2005**

Customer: MAICO Elektroapparate-Fabrik GmbH
Steinbeisstr. 20

D-78056 Villingen-Schwenningen

Place of manufacture: Please see customer

Evaluation object: Fan series of the device group II, category 2 G
DZQ, D, R, S 30/2 B E Ex e, EEx e II T3
DZQ, D, R, S 35/2 B E Ex e, EEx e II T3
(...= Q, D, R, S for the design)

Test specification: Basic requirements of the directive 94/9/EC
The application of the following standards has been considered helpful:
EN 50014:1997 + Corrigendum:1998 + A1:1999 + A2:1999,
EN 50019:2000, EN 1127-1:1997, VDMA 24169:1983

Evaluation task: EC type examination according to annex III - directive 94/9/EC

Test result: The presented devices meet the requirements of the test specification.

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3rd supplement to the EC type examination certificate EX5 03 06 39250 007
MaicoDZ_3supplement
Project manager: Klaus Gohlke
3rd May 2005