
CERTIFICATE OF APPROVAL

No CF 117

This is to certify that, in accordance with
TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

DORMA UK LTD

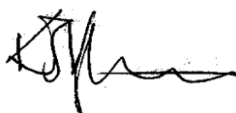
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Have been assessed against the requirements of the Technical Schedule(s)
denoted below and are approved for use subject to the conditions
appended hereto:

CERTIFIED PRODUCT
TS73V, TS73V BCDC and TS73EMF

TECHNICAL SCHEDULE
TS 34 - The Contribution Of
Controlled Door Closing
Devices And Accessories To
Fire Resisting Doorsets

Signed and sealed for and on behalf of Exova (UK) Limited trading as
Warrington Certification



Sir Ken Knight
Chairman
Impartiality Committee



Paul Duggan
Certification Manager



Issued: 3rd February 1992
Reissued: 3rd February 2017
Valid to: 2nd February 2022

Page 1 of 5



CERTIFICATE No CF 117

DORMA UK LTD

DORMA TS73V, TS73V BCDC and TS73EMF OVERHEAD DOOR CLOSERS

1. TS73V, TS73V BCDC units are adjustable strength rack and pinion overhead door closer, the TS73EMF is a rack and pinion overhead door closer available in fixed sizes EN4, EN5 and EN6.
2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), the Technical Handbooks (Scotland) and Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.
3. This approval relates to their use with the following door assemblies:-

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance up to 120 minutes (Code ITT).

Latched and unlatched door assemblies (intumescent sealed or non-intumescent sealed) consisting of uninsulated or insulated metal door assemblies in metal frames, having a fire resistance of up to 240 minutes (IMM and MM).

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in steel frames having a fire resistance up to 120 minutes (Code ITM).

4. The closers are approved on the basis of:
 - i) Initial type testing to EN1154 and BS EN 1634-1: 2000
 - ii) An appraisal against TS34
 - iii) Inspection of quality management system
 - iv) Inspection and surveillance of factory production control
 - v) Ongoing audit testing in accordance with EN 1154 requirements
5. This approval is applicable only to the specified closers used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS476: Part 22: 1987) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
6. The approval relates to on-going production. Product and/or its immediate packaging is identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

CERTIFICATE No CF 117 DORMA UK LTD

DORMA TS73V, TS73V BCDC and TS73EMF OVERHEAD DOOR CLOSERS

7. The following tables show acceptable doorsets types and fire resistance periods:

Class	Approved Door Type				
	IMM	MM	ITT	ITM	ITC
FD20	✓	✓	✓	✓	✗
FD30	✓	✓	✓	✓	✗
FD60	✓	✓	✓	✓	✗
FD120	✓	✓	✓	✓	✗
FD240	✓	✓	✗	✗	✗
E 20	✓	✓	✓	✓	✗
EI 20	✓	✓	✓	✓	✗
E 30	✓	✓	✓	✓	✗
EI 30	✓	✓	✓	✓	✗
E 60	✓	✓	✓	✓	✗
EI 60	✓	✓	✓	✓	✗
E 90	✓	✓	✓	✓	✗
EI 90	✓	✓	✓	✓	✗
E 120	✓	✓	✓	✓	✗
EI 120	✓	✓	✓	✓	✗
E 240	✓	✓	✗	✗	✗
EI 240	✓	✓	✗	✗	✗

Key:

- ✓ - approved
- ✗ - Not approved

CERTIFICATE No CF 117 DORMA UK LTD

DORMA TS73V, TS73V BCDC and TS73EMF OVERHEAD DOOR CLOSERS

8. Doors are classified as the following types:

Type MM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

Type IMM - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

Type ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

Type ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

Type ITC - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area.
- Slide arm option is not approved.
- Mechanical hold open option is not approved.

Classification Codes

TS73V when mounted in projecting arm (Figure 1) and transom mount (Figure 61)

4	8	4 3	1	1	4
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TS73V BCDC when mounted in projecting arm (Figure 1) and transom mount (Figure 61)

4	8	4 3	1	1	3
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TS73V when mounted in parallel arm (Figure 6)

4	8	3	1	1	4
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**CERTIFICATE No CF 117
DORMA UK LTD**

DORMA TS73V, TS73V BCDC and TS73EMF OVERHEAD DOOR CLOSERS

Classification Codes – Cont'd

TS73V BCDC when mounted in parallel arm (Figure 6)

4	8	3	1	1	3
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TS73EMF EN4 when mounted in projecting arm (Figure 1) and transom mount (Figure 61)

4	8	4	1	1	4
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TS73EMF EN5 when mounted in projecting arm (Figure 1) and transom mount (Figure 61)

4	8	5	1	1	4
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TS73EMF EN6 when mounted in projecting arm (Figure 1) and transom mount (Figure 61)

4	8	6	1	1	4
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Further Information

Further information regarding the details contained in this data sheet may be obtained from Dorma UK Limited (Tel: 01426 477600).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).