

VERTICAL BLADES;
The damper can be installed with the blades in the vertical orientation with the actuator mounted at the bottom. For cleat locations of motors mounted on the bottom refer to drawing AA-SS-2011.

Section B-B - DRIVE SIDE DETAIL

Dampers supplied with cleats welded to side flanges to assist with installation only

Actuator
Interface
Damper

Interface shroud
Up to 55mm. infill on actuator side only.

12.5mm. thick 150mm. gypsum fire boards type F (EN520) on sides and bottom, fixed with suitable fire resisting steel fixing (min Ø 4 x 40mm) to suit supporting construction.

5-30mm. infill on non drive side and bottom.

Min 100mm thick

Section D-D

Min. 30kg/m³ stone mineral wool insulation filling gaps on three sides.

Block/masonry wall

Section C-C

DWFX-F angle flange (welded to damper casing) on sides and bottom fixed with suitable fire resisting steel fixing min dia. 4mm at least 40mm long to suit supporting construction (@150mm. ctrs).

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Installation Detail

If your proposed installation details differ from that shown here, please discuss this with the authority having jurisdiction, referencing this documentation.

Deviation from this drawing requires approval of the relevant authority.

Connecting ductwork omitted for clarity. Ductwork must be independently supported. There must be an appropriate break-away joint between the damper and the connecting ductwork on both sides of the installation.

A minimum of 200mm between fire dampers installed in separate ducts and 75mm between fire damper and construction elements/edges needs to be observed unless otherwise specified in the drawing.

SCAN ME

Please refer to the DoP for latest classifications for CE/UKCA compliance and the Installation, Operation and Maintenance Guide

E	ECN2249	JPM	06/07/22
D	ECN2227	JPM	29/04/22
C	ECN5134	MJB	05-02-21
B	ECN1940	MJB	01-07-19
A	ECN1922	MJB	12-04-19
	EC1843	MJB	08-05-18
Rev:	Comments:	By:	Date:
Drawn By:	M. Bushell	Date:	01/05/2018
Checked By:	Kimberley.M	Date:	25/05/2022
Approved By:	Harding.D	Date:	26/05/2022

Description:

VERTICAL APPLICATION

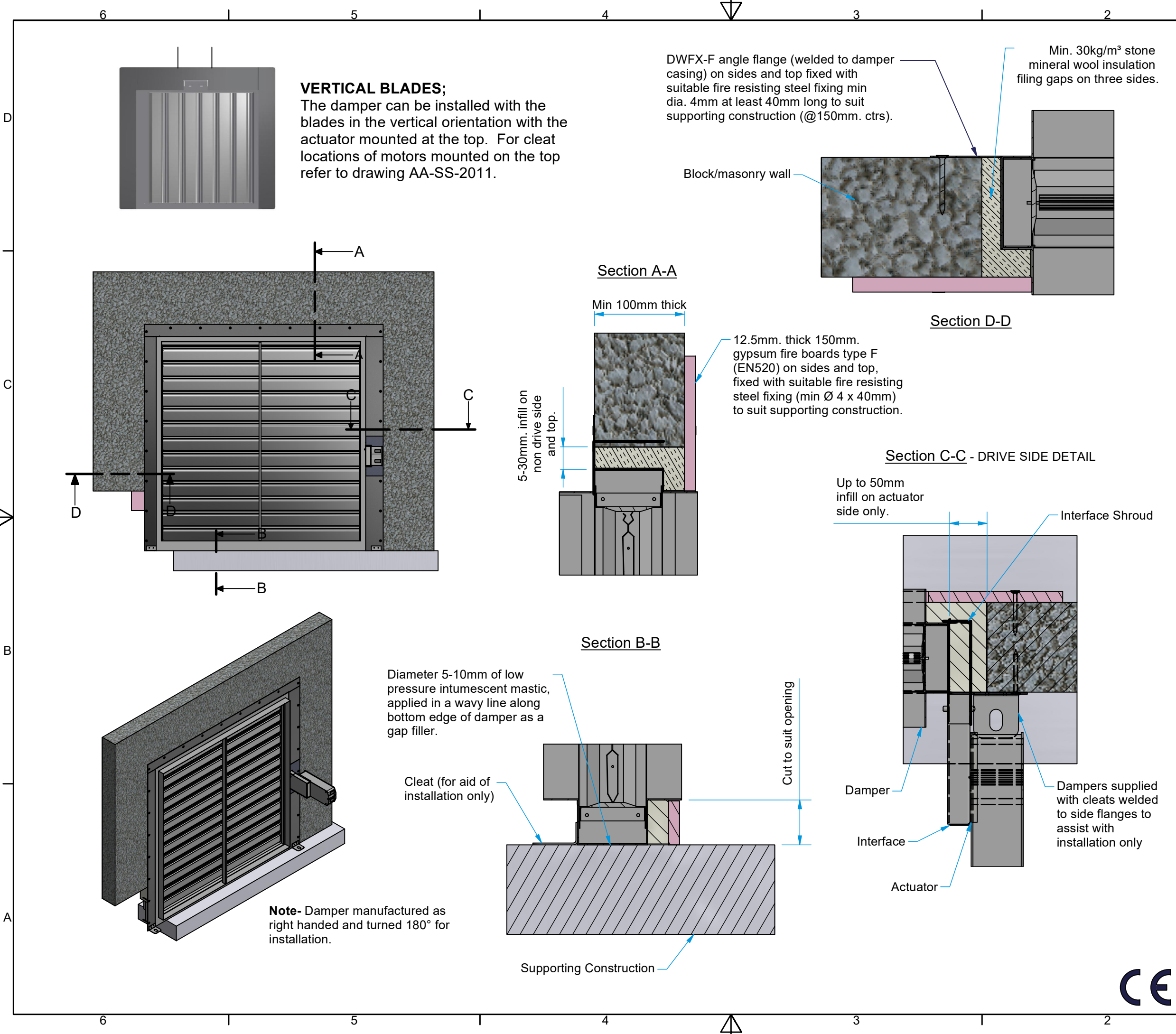
SMOKE SHIELD DWFX-3F, IN MASONRY WALL AGAINST SUPPORTING CONSTRUCTION

Damper Size Range (mm)
200 x 200 to 1000 x 1000

Reference No:
AAF12394

Sheet
1 of 3

Rev
E



VERTICAL BLADES;
The damper can be installed with the blades in the vertical orientation with the actuator mounted at the top. For cleat locations of motors mounted on the top refer to drawing AA-SS-2011.

DWFX-F angle flange (welded to damper casing) on sides and top fixed with suitable fire resisting steel fixing min dia. 4mm at least 40mm long to suit supporting construction (@150mm. ctrs).

Min. 30kg/m³ stone mineral wool insulation filing gaps on three sides.

Block/masonry wall

Section A-A

Min 100mm thick

5-30mm. infill on non drive side and top.

12.5mm. thick 150mm. gypsum fire boards type F (EN520) on sides and top, fixed with suitable fire resisting steel fixing (min Ø 4 x 40mm) to suit supporting construction.

Section D-D

Section C-C - DRIVE SIDE DETAIL

Up to 50mm infill on actuator side only.

Interface Shroud

Damper

Interface

Actuator

Dampers supplied with cleats welded to side flanges to assist with installation only

Diameter 5-10mm of low pressure intumescent mastic, applied in a wavy line along bottom edge of damper as a gap filler.

Cleat (for aid of installation only)

Cut to suit opening

Supporting Construction

Note- Damper manufactured as right handed and turned 180° for installation.

actionair

by Swegon

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Installation Detail

If your proposed installation details differ from that shown here, please discuss this with the authority having jurisdiction, referencing this documentation.

Deviation from this drawing requires approval of the relevant authority.

Connecting ductwork omitted for clarity. Ductwork must be independently supported. There must be an appropriate break-away joint between the damper and the connecting ductwork on both sides of the installation.

A minimum of 200mm between fire dampers installed in separate ducts and 75mm between fire damper and construction elements/edges needs to be observed unless otherwise specified in the drawing.



SCAN ME

Please refer to the DoP for latest classifications for CE/UKCA compliance and the Installation, Operation and Maintenance Guide

E	ECN2249	JPM	06/07/22
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Description:
VERTICAL APPLICATION
SMOKE SHIELD DWFX-3F, IN
MASONRY WALL AGAINST
SUPPORTING CONSTRUCTION
Damper Size Range (mm)
200 x 200 to 1000 x 1000



Reference No:	Sheet	Rev
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