



Axis AX Ancillaries

Addendum to
I&M 671220

Introduction

A range of ancillaries is available to match the AXUS range of fans. Although the information below is general, all the conditions, advice and guidance given in the AXUS I&M 671220 and the ATEX guide 671213 strictly apply.

Handling

Handle all materials with care and ensure ancillaries are sound and correctly match the fan/s before attempting to fit. All ancillaries require fixing to fan flange/s at required position and with appropriate fixings, locking nuts, bolts and washers.

Figure 1. Mounting Brackets

Install with or without Av's. Secure to floor, building structure or suspension frame.

CODES: CMB 3I (typical)

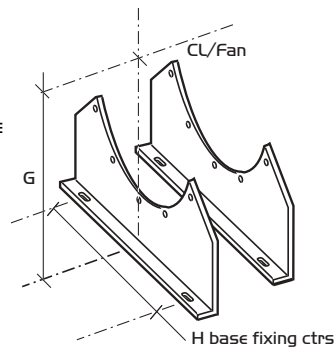


Figure 2. Inlet Cone

(Wire Guard Optional) Manufactured in heavy gauge galvanised steel with a single bolted flange. Guarded version optional.

Standard Accessory Losses (k)
Low loss inlet cone → 0.38

CODES: CIC 3I (typical)

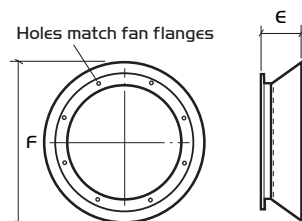


Figure 3. Matched Bolted Flange

To allow any ductwork or flex to be terminated with a bolted flange. Manufactured from heavy gauge galvanised steel.

CODES: CMF 3I (typical)

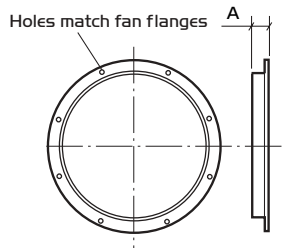


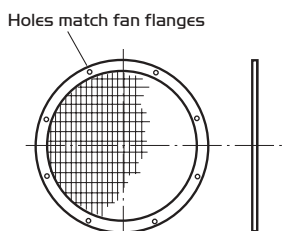
Figure 4. Wire Guards

Hot dipped galvanised for either inlet or outlet fixing. Fitted with a single bolted flange.

Standard Accessory Losses (k)

Flat type
Finger guard → 0.75

CODES: CGD 3I (typical)



For details of starters and speed controls refer to the I&M documents supplied with that product.

Figure 5. Backdraught Damper

Gravity operated damper to prevent backdraughts. Manufactured in heavy gauge galvanised steel with a pair of bolted flanges

Standard Accessory Losses (k)

(Airstream operated) → 0.4

CODES: CBD 3I (typical) NB: Not suitable for vertical applications.

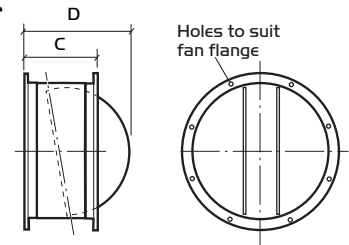
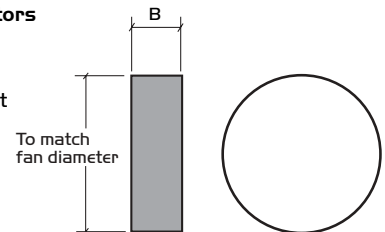


Figure 6. Flexible Connectors

Circular without flanges. Flexible duct material is flameproof resistant to heat up to 132°C, chemicals, ozone, oil and grease. The material is airtight, waterproof and tested to BS476 Part 7.

Secure to flange and ductwork with the clamping bands provided, ensure that duct misalignment is not corrected by the flexible connector and that it is neither too tight or too slack. Either condition can contribute to noise and impare fan performance.

CODES: CFC 3I (typical)



Dimensions (mm) and Weights

| Fan Size cm | A | B | C | D | E | F | G | H | Guard kg | Inlet cone kg | B/draught damper kg |
|-------------|----|-----|-----|------|-----|------|------|------|----------|---------------|---------------------|
| 25 | 65 | 150 | 350 | 350 | 85 | 355 | 170 | 300 | 0.4 | 1.5 | 6 |
| 31 | 65 | 150 | 350 | 350 | 85 | 405 | 210 | 355 | 0.5 | 2 | 7.5 |
| 35 | 65 | 150 | 350 | 350 | 90 | 460 | 240 | 395 | 1 | 2 | 9 |
| 40 | 65 | 150 | 350 | 350 | 90 | 520 | 270 | 450 | 1.5 | 3 | 11 |
| 45 | 65 | 150 | 350 | 350 | 90 | 580 | 300 | 500 | 1.7 | 4 | 14 |
| 50 | 65 | 150 | 350 | 350 | 100 | 650 | 340 | 560 | 2.3 | 5 | 16.5 |
| 56 | 65 | 150 | 350 | 360 | 100 | 700 | 370 | 620 | 2.8 | 6 | 20 |
| 63 | 65 | 150 | 350 | 400 | 130 | 830 | 430 | 690 | 3.2 | 9 | 22.5 |
| 71 | 65 | 150 | 350 | 440 | 170 | 920 | 470 | 770 | 3.7 | 11 | 27.5 |
| 80 | 65 | 150 | 350 | 470 | 200 | 1050 | 540 | 860 | 4 | 13 | 35 |
| 90 | 65 | 150 | 350 | 520 | 220 | 1180 | 600 | 970 | 7 | 20 | 55 |
| 100 | 65 | 150 | 350 | 580 | 230 | 1300 | 670 | 1070 | 7 | 23 | 66.5 |
| 112 | 65 | 150 | 350 | 920 | 260 | 1450 | 750 | 1190 | 8 | 32 | 80 |
| 125 | 65 | 150 | 350 | 985 | 300 | 1600 | 830 | 1320 | 8 | 40 | 88 |
| 140 | 65 | 150 | 500 | 1000 | 320 | 1850 | 940 | 1480 | 10 | 45 | 110 |
| 150 | 65 | 150 | 500 | 1100 | 550 | 1760 | 1000 | 1560 | 13 | 48 | 125 |
| 160 | 65 | 150 | 500 | 1200 | - | - | 1070 | 1660 | 15 | - | 140 |
| 180 | 65 | 150 | 500 | 1300 | - | - | 1025 | 1870 | 18 | - | 220 |
| 200 | 65 | 150 | 500 | 1500 | - | - | 1250 | 2080 | 20 | - | 266 |

Maintenance

Ancillaries do not require any maintenance but it is advisable to check the fixings security periodically and for any build up of dirt and debris.



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