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INANE

pre-insulated board cushion box

BM
BF

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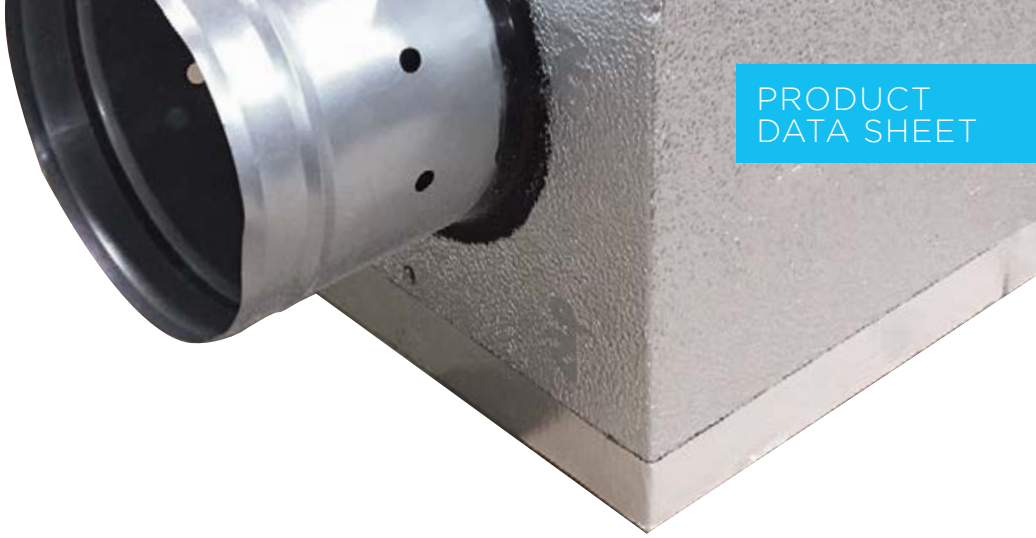
PRODUCT DATA SHEET



1 YR WARRANTY

PRE-INSULATED BOARD CUSHION BOX

Overview

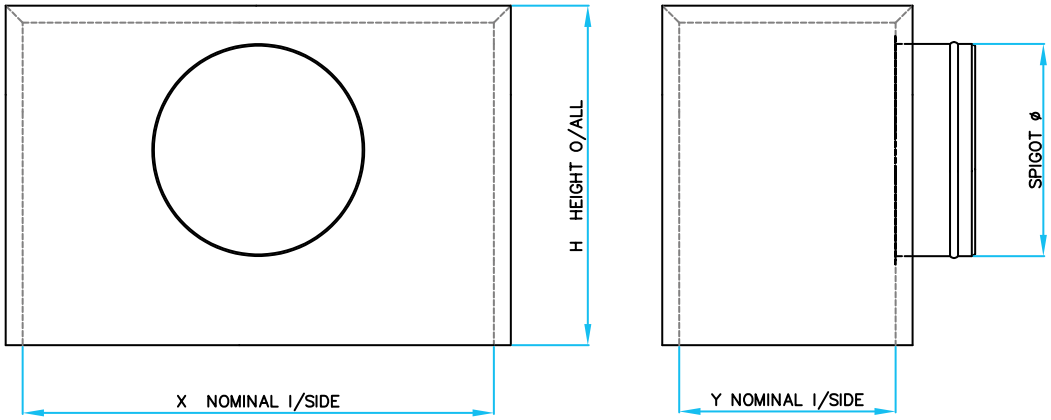
The BM & BF series of cushion boxes and plenums are supplied using a Polyisocyanurate Insulated Board (PIB). These boxes are suitable for IAG products, including swirl & linear diffusers, grilles, louvres, etc. The material is strong, lightweight, rigid and comes in a variety of R values making it an excellent alternative to sheet metal. It comes in three thicknesses, creating three R rating values. The insulated board has one side black giving the cushion boxes/plenums a black internal appearance. All exposed edges of the manufactured cushion boxes/plenums are taped to ensure no moisture absorption.

Series BM
Cushion Box
Manufactured Complete

Series BF
Cushion Box
Supplied in Layflat Form

Side perspective

idealair group reserves the right to make changes to product without prior notice.

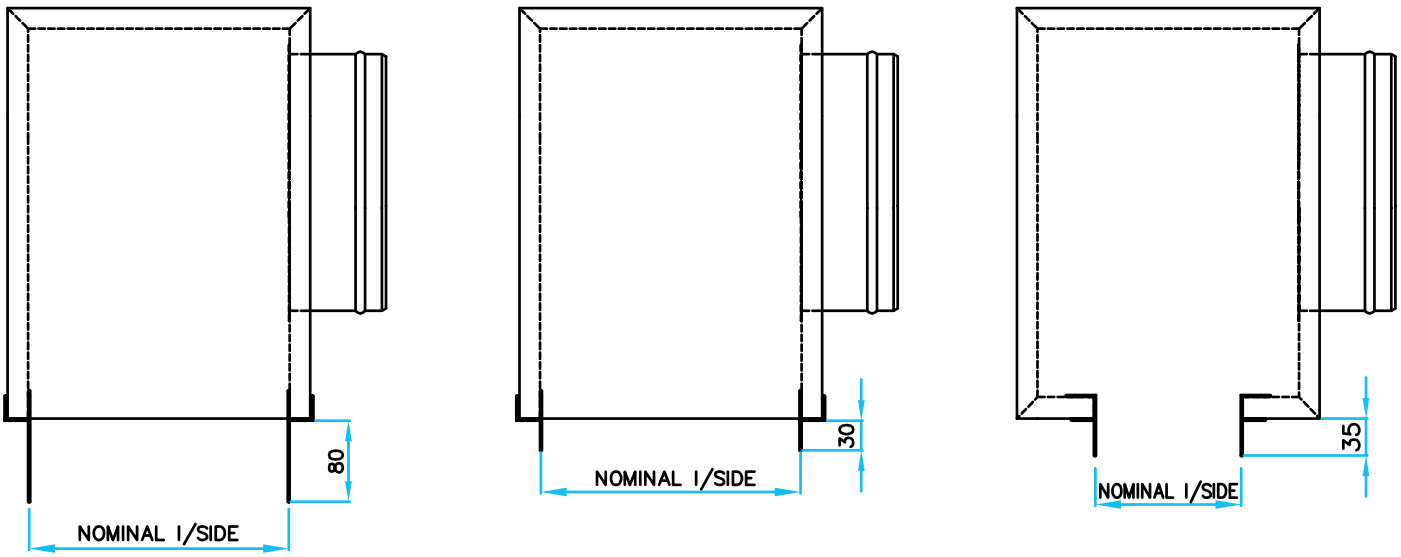


STANDARD BM CUSHION BOX

Thickness	External Cladding	Rating
21mm	80um Embossed Aluminium Foil	R1.0
30mm	80um Embossed Aluminium Foil	R1.5
42mm	80um Embossed Aluminium Foil	R2.0

Options

Plastic extrusions are available for all thickness boards enabling an easy neck connection for variety of PIB cushion box styles. Contact your sales branch or representative for further information.



EXTENDED H SECTION – P/NO. PIB21HE

STANDARD H SECTION – P/NO. PIB21HS

STANDARD F SECTION – P/NO. PIB21FS

NECK EXTRUSION OPTIONS

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PRE-INSULATED BOARD CUSHION BOX

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Example – To order a complete 21mm thick BM cushion box to suit a 450 x 450 nominal diffuser with single side entry 300 diameter spigot, over all height of the cushion box is 400mm.

CODE = BM-21-450-450-400-300

Note: Contact your sales branch or sales representative if your desired product cannot be ordered by using the above ordering criteria.
NOTE: A fully dimensioned sketch is preferable when ordering this product.

BM-____-_____-_____-_____-_____-_____-_____

NECK EXTRUSION OPTION
SHE – Standard "H" neck extrusion
EHE – Extended "H" neck extrusion
FSEC – "F" section neck extrusion

SPIGOT SIZE
Diameter – Stated in millimetres
Standard spigot placement, X side
NOTE: If more than one spigot is required or the spigot orientation is other than standard a sketch MUST be provided when ordering

H - HEIGHT
H - DIMENSION (Over All)
Stated in millimetres
NOTE: If ordering neck extrusion options, include in o/all box height

Y - WIDTH – NOMINAL
Y = NOMINAL DIMENSION (Inside)
Stated in millimetres

X - LENGTH - NOMINAL
X NOMINAL DIMENSION (Inside)
Stated in millimetres

PIB INSULATED BOARD THICKNESS
21 = 21mm Thick PIB Board (R1.0)
30 = 30mm Thick PIB Board (R1.5)
42 = 42mm Thick PIB Board (R2.0)

MODEL – TYPE
BM = Board Manufactured Cushion Box
BF = Board Layflat Cushion Box

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