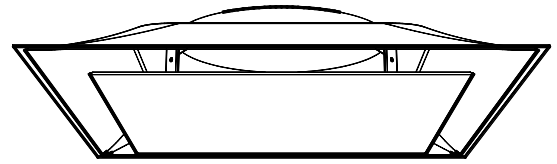


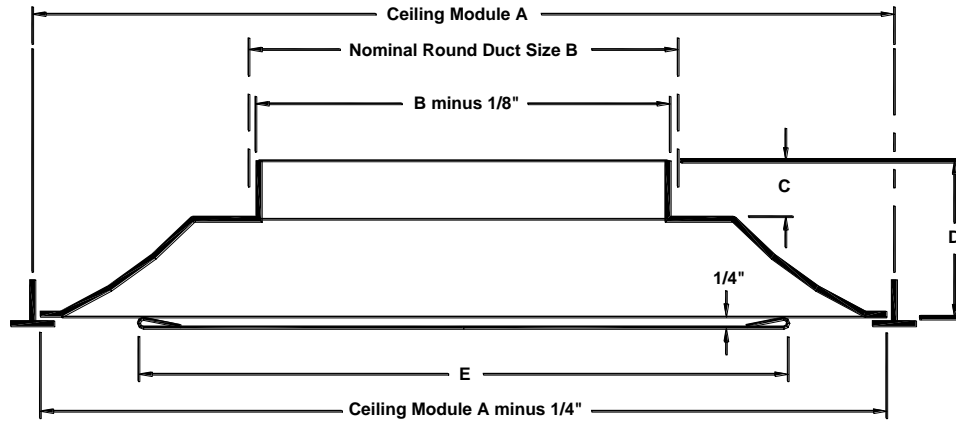
Architectural Ceiling Diffusers Square Cone • Plaque Face

Model: OMNI-AA • All-Aluminum • Round Neck • MRI Compatible*

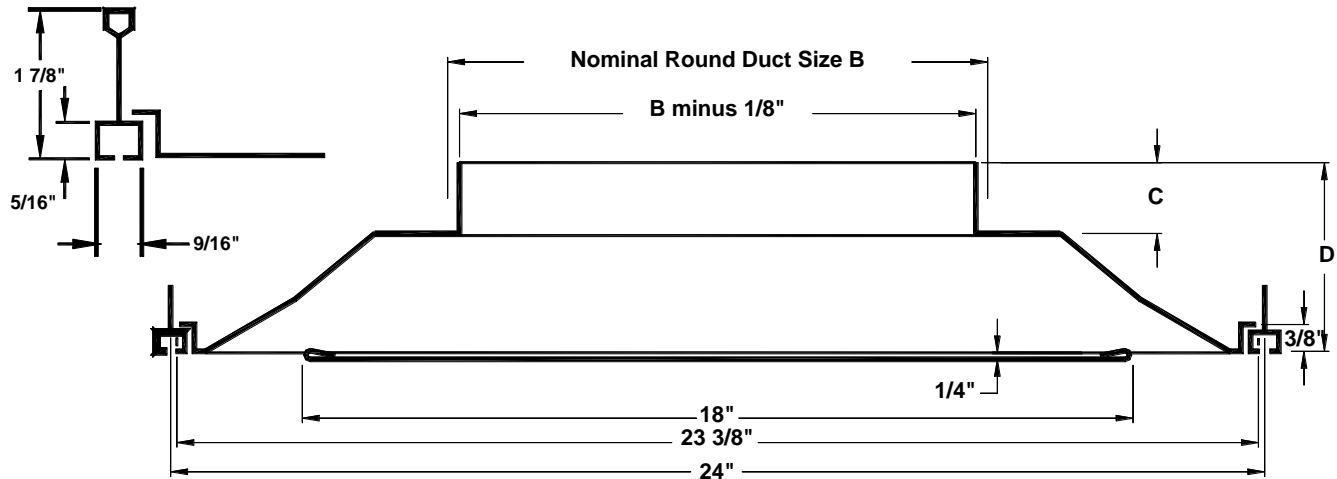
*24x24, 12x12 and 600x600mm module size



Border Type 3 (Lay-In) Full Face



Border Type NT (Narrow Tee) Full Face



Nominal Ceiling Module or Face Size (A)	Nominal Inlet Size (B)								Border							C	D	E	
	4 [102]	5 [127]	6 [152]	7 [178]	8 [203]	10 [254]	12 [305]	14 [356]	15 [381]	1	2	3	4	NT	4V				4T
12 x 12 [305 x 305]	•	•								•		•					2 7/8 [73]	4 [102]	9 [229]
			•	•						•		•					1 1/8 [29]	2 1/4 [57]	9 [229]
					•					•		•					1 1/4 [32]	2 3/8 [60]	9 [229]
20 x 20 [508 x 508]	•	•								•		•					2 3/4 [70]	5 1/4 [133]	13 5/8 [346]
			•		•	•				•		•					3/4 [19]	3 1/4 [83]	13 5/8 [346]
24 x 24 [610 x 610]			•		•					•		•		•			1 1/4 [32]	3.75 [95]	18 [457]
					•	•	•	•		•		•		•			1 3/8 [35]	3.875 [98]	18 [457]
[600 x 600]			•		•							•					1 1/4 [32]	3.75 [95]	18 [457]
					•	•	•	•				•					1 3/8 [35]	3.875 [98]	18 [457]

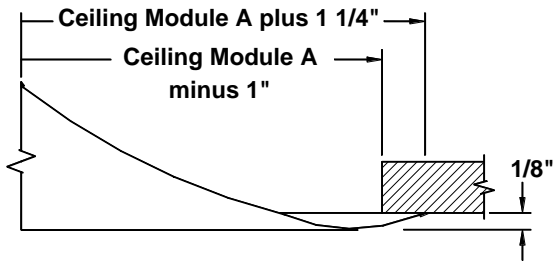
Dimensions in Inches [Millimeters]

Steel inlet adapter provided for sizes 4 and 5

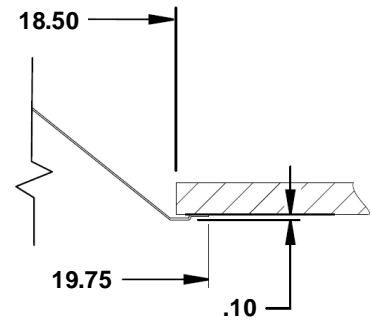
Other Available Border Types

Check if provided.

- Border Type 1 (Surface Mount) Full Face
24 x 24 and 12x12 Module



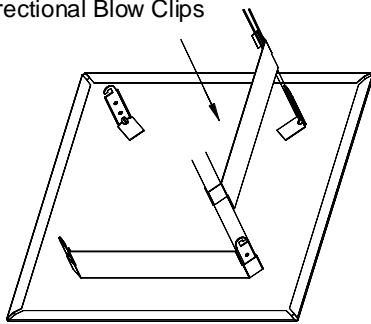
- Border Type 1 (Surface Mount) Full Face
20 x 20 Module



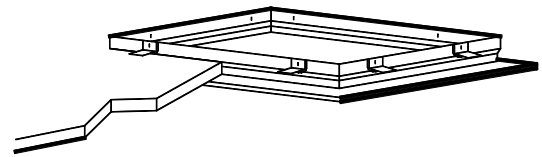
Accessories (Optional)

Check if provided.

- DB - Directional Blow Clips

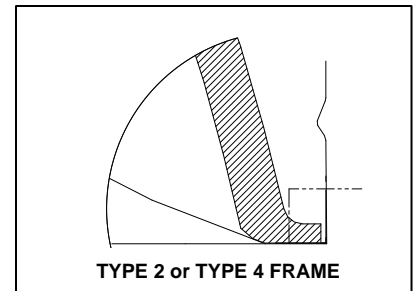
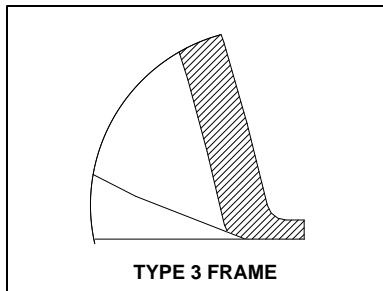
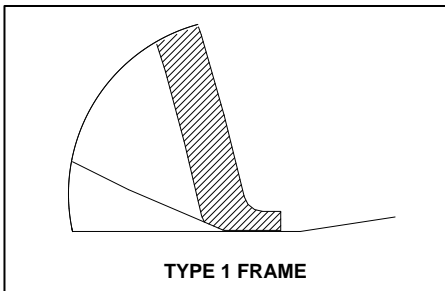
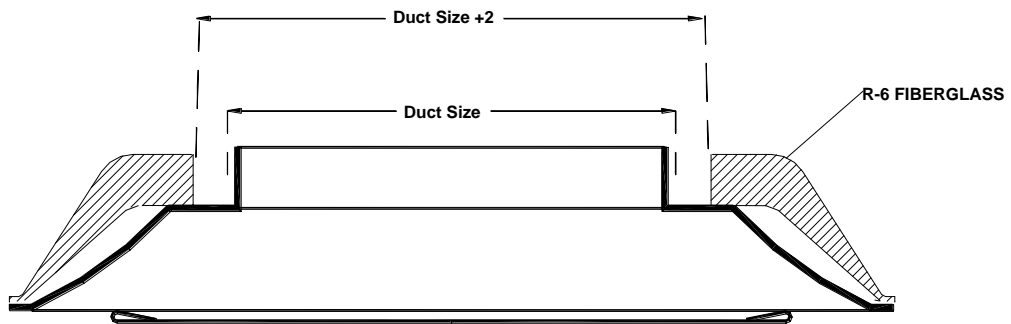


- TRM TITUS Rapid Mount Frame



For Surface Mounting Border Type 3

- IB Molded Insulation Blanket



Insulation is R-6 where blanket has the most depth. One inch clearance on each side of neck is left for insulated duct connection.
24x24 Full face models only.

Accessories (Optional) Check if provided.

Model D-75 Opposed Blade Damper
 Model EG Equalizing Grid

Model D-75 damper is available in duct sizes 6 thru 12 inches only.

Model AG-75 Radial Opposed Blade Damper
 Model EG Equalizing Grid

Size	B
6-12	1 1/2
14	2 1/8

Model AG-75 damper is available in 6, 7, 8, 10, 12, 14, and 15 inch duct sizes only.

Model AG-85 Butterfly Damper
 Model EG Equalizing Grid

Model AG-65 Combination Damper and Equalizing Grid

Model D-100 Radial Sliding Blade Damper
 Model EG Equalizing Grid

Model D-100 damper is available in duct sizes 6, 8, 10, 12 and 14 inch duct sizes only.

Model AG-100 Radial Sliding Blade Damper
 Model EG Equalizing Grid

Model AG-100 damper is available in duct sizes 6, 8, 10, 12 and 14 inch duct sizes only.

Dimension "A" in Inches, for Dampers Shown

Accessories	Nominal Round Duct Sizes					
	6	8	10	12	14	15
D-75	2 3/8	3 1/4	4 1/8	4 7/8	N/A	N/A
AG-75	2 3/4	3 5/8	4 1/2	5 3/8	2 3/4	3
AG-85	2 1/2	3 1/2	4 1/2	5 1/2	6 1/2	7
AG-65	3 3/8	4 1/2	5 1/2	7 1/8	8 5/8	9
D-100	—	—	—	—	—	N/A
AG-100	—	—	—	—	—	N/A

Notes :
 Model D-100 and AG-100 dampers have radial blades that slide in a horizontal plane. For that reason, no opening clearance "A" is dimensioned.

Installing and Removing Face Panel • Adjusting Optional Damper

24 x 24, 12 x 12 Module and 600 x 600mm Module

Installing Face Panel

1. Insert the hook brackets into the slots in the backpan.
2. Rotate the face panel clockwise until...
3. The hooks positively engage in the secondary slots in the backpan.

Removing Face Panel

1. Lift the faceplate towards the backpan to disengage the hook brackets from the backpan slots.
2. Rotate the faceplate counter-clockwise.
3. Lower the faceplate away from the backpan.

Adjusting Optional Damper

1. Remove face panel as above.
2. Use flat blade screwdriver to turn operator shaft at center of damper.
3. Replace face panel

20 x 20 Module

Removing Face Panel

1. Place hands on one corner of face panel between face panel and backpan.
2. While pulling down on face panel, rotate hands to press upward against backpan.
3. Repeat steps 1 & 2 on remaining corners.

Replacing Face Panel

1. Line up rods of panel with openings in back pan.
2. Place hands under one corner of face panel and push until rod snaps into place.
3. Repeat steps 1 and 2 on remaining corners.

Adjusting Optional Damper

1. Remove face panel as above.
2. Use flat blade screwdriver to turn operator shaft at center of damper.
3. Replace face panel

Inlet View Showing Flex Duct Connection and T-Bars by Others

Standard Finish: #26 White

General Description

- The TITUS OMNI-AA diffuser is designed to satisfy architectural as well as engineering criteria. Its strong, clean, unobtrusive lines harmonize with the ceiling system, without sacrificing performance.
- The curvature of the OMNI-AA backpan works with the formed edges of the face panel to deliver a 3600 tight horizontal air pattern, without excessive noise or pressure drop.
- The OMNI-AA diffuser is an excellent choice for variable volume systems. The air pattern remains tight and horizontal for effective room air distribution, even when the air volume varies over a wide range.
- The edges of the face panel are formed to a radius for solid, crisp appearance. The formed edges also stiffen the face panel and assure a straight and level surface.
- The panel can be removed from the backpan for easy installation of the diffuser or for access to the optional damper.
- Optional Directional Blow Clips (model DB) allow the air pattern to be changed to three, two or one blow direction.
- Optional molded insulation blanket (IB) with R-6 rating available for use with border styles 1, 2, 3, and 4, 24x24 full face models.

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale. Titus reserves the right to make changes without written notice.