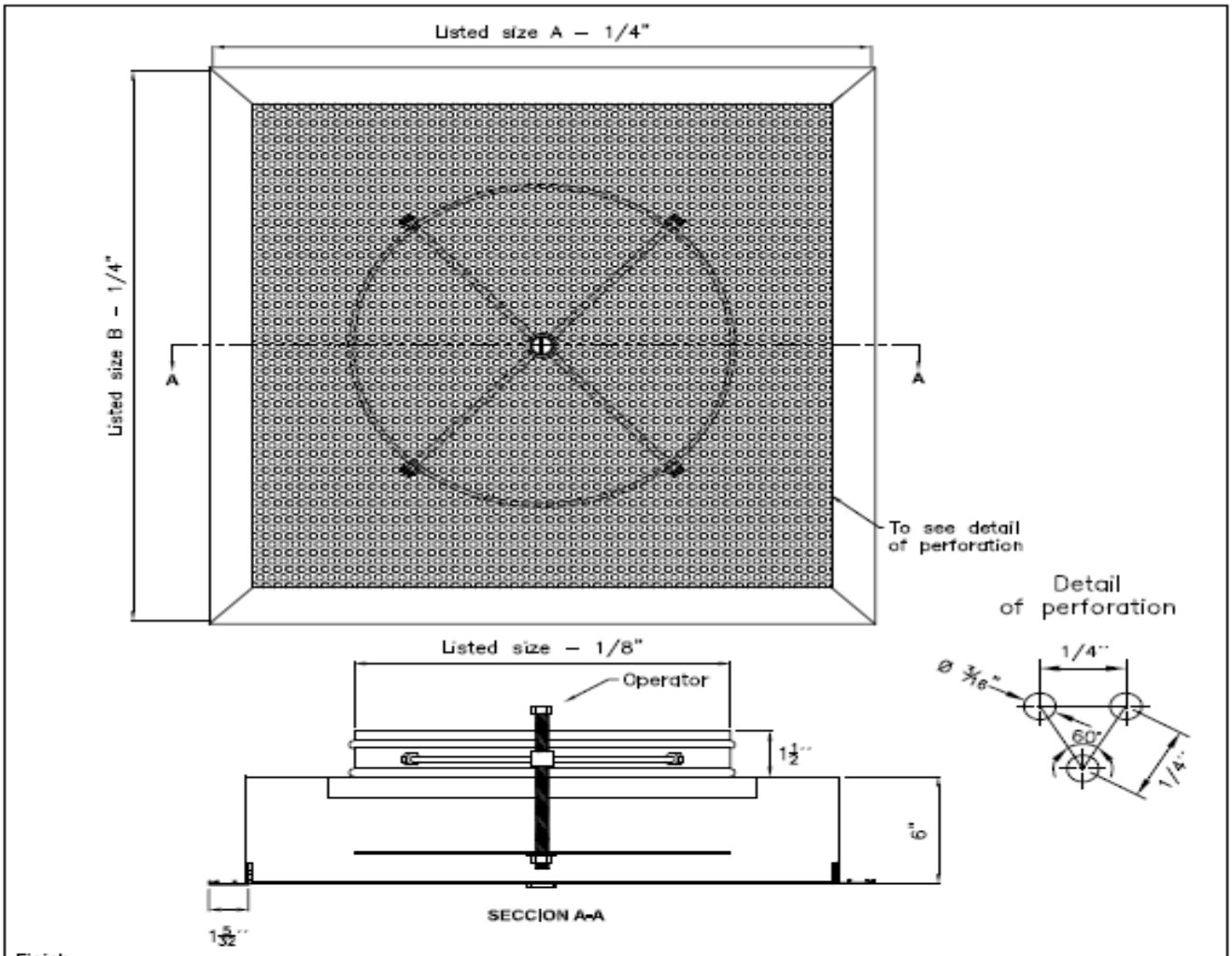
L - FL FEATURES



Finish
White (Standard)
Other colors (Optional)

Note 1: Available in size 24"x12" until 36x72"

Dimensions are in inches

MODEL L-FL

Frame: Extruded Aluminum Plenum: Aluminum 0.9 mm
Stainless steel R4 – T6 Cal. 1.0 mm

SERIES L-FL (LAMINAR FLOW)

FEATURES

Series L-FL Diffusers are engineered for supply and return air distribution in highly specialized heating, cooling and ventilating applications. These diffusers are designed to supply a low velocity "curtain" of conditioned air. This air pattern is particulary effective in hospital operating rooms, research labs, telecommunications centers, manufacturing "clean" rooms and in any facility housing electronic equipment such as computer rooms.

PERFORMANCE: L-FL

The air supply plenum is designed to provide a uniform discharge velocity over the face of the unit.
This particulary effective in hospital operating rooms where the operating area is cooled by contaminant free air and hospital personnel are insulated from drafts. A computer room, with specific areas of heavy area cooling loads is another application where the series L-FL air curtain cools the load source directly without creating high velocities in the occupied space.

CONSTRUCTION: Series L-FL Laminar Flow Diffuser frames are made exclusively of high grade aluminum extrusions (AA6063 T5) for maximun stregth, corrosion resistance and dimensional stability.
Plenums are fabricated from sheet aluminum. Internal round diffusers and optional intel damper are constructed of aluminum. The perforated face is constructed of sheet aluminum or stainless steel with 4mm diameter holes on 6mm centers.

FINISH: Standard finish for L-FL Diffusers is off-white for frame and face with interior plenum painted off-whit too. L-FL receive interior and exterior finish.

L-FL (LAMINAR FLOW) PERFORMANCE

SERIES L-FL PERFORMANCE

12 in. x 48 in. Panel, 8 in. Round Inlet			
CFM	SP	TP	NC
80	0,01	0,02	-
120	0,03	0,03	-
160	0,05	0,06	-
200	0,07	0,09	-
240	0,11	0,14	-

24 in. x 24 in. Panel, 8 in. Round Inlet			
CFM	SP	TP	NC
80	0,01	0,02	-
120	0,03	0,03	-
160	0,05	0,06	-
200	0,07	0,09	-
240	0,11	0,14	-

24 in. x 24 in. Panel, 10 in. Round Inlet			
CFM	SP	TP	NC
80	-	0,01	-
120	0,02	0,02	-
160	0,04	0,04	-
200	0,06	0,07	-
240	0,08	0,09	-

48 in. x 24 in. Panel, 8 in. Round Inlet			
CFM	SP	TP	NC
160	-	0,02	-
240	0,02	0,05	-
320	0,04	0,09	20
400	0,06	0,14	27
480	0,09	0,21	33

48 in. x 24 in. Panel, 10 in. Round Inlet			
CFM	SP	TP	NC
160	0,01	0,02	-
240	0,02	0,04	-
320	0,04	0,06	-
400	0,07	0,10	17
480	0,09	0,14	23

48 in. x 24 in. Panel, 12 in. Round Inlet			
CFM	SP	TP	NC
160	-	0,01	-
240	0,02	0,03	-
320	0,04	0,05	-
400	0,06	0,07	-
480	0,08	0,11	16