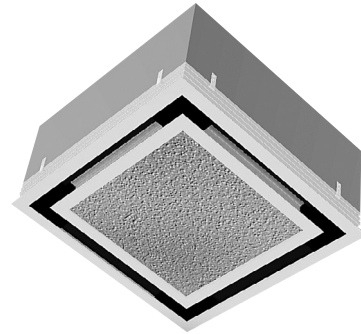


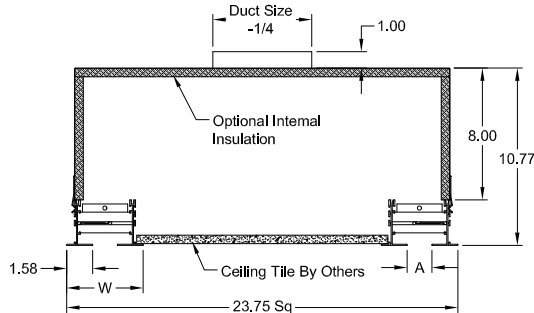
MODEL FAI (INTEGRA)

The appeal of Formations Integra is its design. Laying in an acoustical tee bar or hard ceiling, the specified ceiling material becomes the face of the Integra diffuser that fully integrates the ceiling and the diffuser. Integra is available in 1", 1.5" and 2" slot widths. Constructed of extruded aluminum, Integra diffusers are available for either supply or return and can be field adjusted for one-, two-, three- or four-way directional air flow. Air patterns can be adjusted for horizontal or vertical throws.

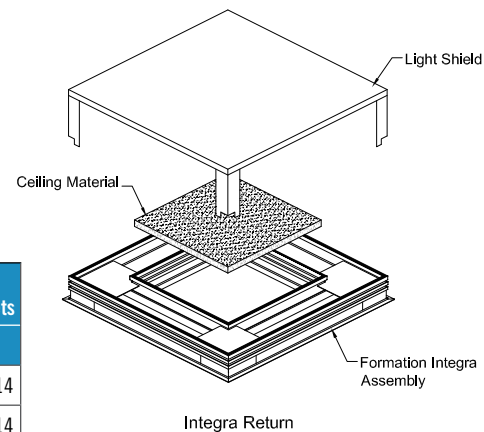
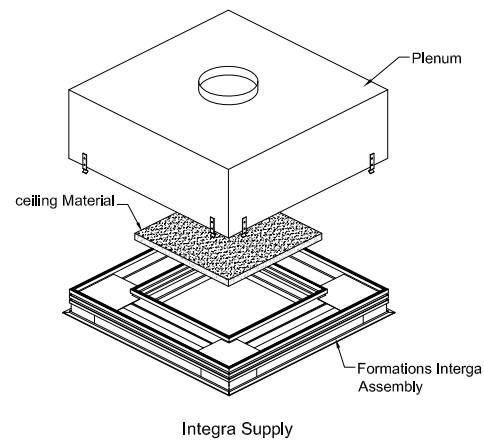
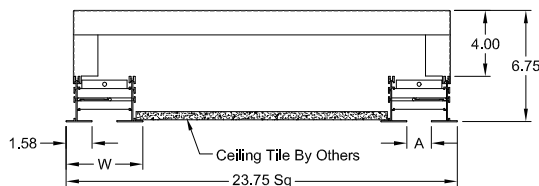


- Available size – 24 x 24
- Available inlets – 6", 8", 10", 12", 14" or no inlet
- Finish – white face with black interior
- Optional steel center panel

- Model: FAI-10, 15, 20 = Non Insulated
- Model: FAII-10, 15, 20 = Insulated
- Model: FAIB-10, 15, 20 = Bolt Slot Non Insulated
- Model: FAIBI-10, 15, 20 = Bolt Slot Insulated

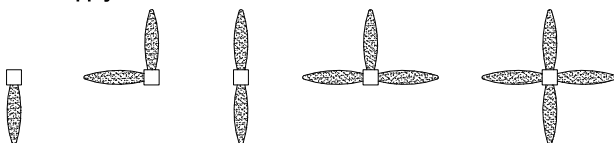


- Model: FAIR-10, 15, 20 = Return
- Model: FAIBR-10, 15, 20 = Bolt Slot Return



Models	Formations Unit A Slot Width	Number of Slots	W (width)	Standard available inlets	
				Round	
FAI, FAII, FAIR, FAIB, FAIBI, FAIBR-10	1"	1	4 1/8	6, 8, 10, 12, 14	
FAI, FAII, FAIR, FAIB, FAIBI, FAIBR-15	1 1/2"	1	4 5/8	6, 8, 10, 12, 14	
FAI, FAII, FAIR, FAIB, FAIBI, FAIBR-20	2"	1	5 1/8	6, 8, 10, 12, 14	

Optional Supply Air Patterns



SERIES FORMATIONS SPECIFICATIONS

FORMATIONS ARCHITECTURAL LINEAR SLOT DIFFUSER — EXTRUDED ALUMINUM — MODELS FAI/FAIR

- Diffusers shall be models FAI/FAIR manufactured by METALAIRE. Units shall be constructed of heavy wall extruded aluminum. The units shall be in 1", 1 1/2" or 2" slot widths. One or two slot units shall be provided.
- The diffusers shall be available in 24" X 24". The units shall be the size and quantity as outlined in the plans and specifications.

Performance Specification

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70-2006.

Paint Specification

Process shall be anodic electro-deposition using an anodic acrylic paint. Units shall undergo pre-treatment including a pressurized spray stage using an alkaline cleaner and a de-ionized water rinse.

FORMATIONS MODEL NUMBER SPECIFICATIONS ARCHITECTURAL LINEAR

Model	Slot Width	Border Style	Inlet	# of Slots	Length	Finish	Mtg Hdw	Pattern Controller	Available Options	
FAI	10-1"	AA	NI - No Inlet	1	24 x 24	20 - White/Black	F1	C - Combo	FODR	Face Operated Damper
FAII	15-1.5"		06						F6	S - Straight
FAIR	20-2"		08					ROD	Remote Operated Damper	
			10					CC	Closed Cell Insulation	
			12					EI	External Insulation	
			14							

METALAIRE INTEGRA 24 X 24

1.5" Slot Width	Four Way Throw	6" Inlet	CFM	80	120	155	190	225	260	300
			Ps	.024	.049	.084	.128	.181	.244	.315
Pt	.035	.072	.123	.187	.264	.355	.459			
NC	-	17	23	28	32	36	39			
Throw	3-5-10	5-7-13	6-9-14	7-11-16	9-2-17	10-13-19	12-14-20			
1.5" Slot Width	Four Way Throw	8" Inlet	CFM	85	120	160	195	230	265	300
			Ps	.013	.026	.043	.065	.091	.122	.157
Pt	.016	.033	.056	.084	.118	.158	.203			
NC	-	18	24	29	33	36	40			
Throw	3-5-10	5-7-13	6-9-15	8-11-16	9-12-18	10-13-19	12-14-20			
1.5" Slot Width	Four Way Throw	10" Inlet	CFM	90	130	165	205	240	275	315
			Ps	0.009	0.018	0.03	0.045	0.063	0.084	0.108
Pt	0.011	0.022	0.036	0.054	0.075	0.1	0.129			
NC	-	19	25	30	34	37	40			
Throw	4-5-11	5-8-13	7-10-15	8-12-17	9-13-18	11-14-19	12-15-21			
1.5" Slot Width	Four Way Throw	12" Inlet	CFM	100	140	175	210	245	280	320
			Ps	.008	.014	.023	.034	.046	.061	.077
Pt	.009	.016	.026	.038	.052	.069	.087			
NC	-	20	26	31	35	38	41			
Throw	4-6-12	5-8-14	7-10-15	8-12-17	10-13-18	11-14-19	12-15-21			
1.5" Slot Width	Three Way Throw	6" Inlet	CFM	70	100	125	155	180	210	235
			Ps	.021	.041	.066	.099	.137	.182	.233
Pt	.029	.056	.092	.137	.190	.252	.323			
NC	-	17	23	28	32	35	39			
Throw	2-4-7	3-5-10	4-6-13	5-8-14	6-9-16	7-10-17	8-12-18			
1.5" Slot Width	Three Way Throw	8" Inlet	CFM	75	105	130	160	190	215	245
			Ps	.012	.022	.035	.052	.072	.095	.121
Pt	.015	.027	.044	.065	.090	.118	.151			
NC	-	18	24	29	33	36	39			
Throw	3-4-8	3-5-10	4-7-13	5-8-15	6-9-16	7-11-17	8-12-18			
1.5" Slot Width	Three Way Throw	10" Inlet	CFM	75	105	135	165	195	225	255
			Ps	0.007	0.014	0.023	0.035	0.049	0.065	0.084
Pt	0.008	0.016	0.027	0.041	0.057	0.076	0.097			
NC	-	18	24	29	34	37	40			
Throw	2-4-7	3-5-10	4-7-13	5-8-15	6-10-16	7-11-17	8-13-18			
1.5" Slot Width	Three Way Throw	12" Inlet	CFM	70	105	135	165	195	225	260
			Ps	.005	.009	.016	.024	.034	.046	.060
Pt	.005	.011	.018	.027	.038	.051	.066			
NC	-	18	24	29	34	38	41			
Throw	2-4-7	3-5-10	4-7-13	5-8-15	7-10-16	8-11-17	9-13-19			

LINEAR DIFFUSERS
AND GRILLES

FORMATIONS
LINEAR DIFFUSERS

FAI