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**BETA**  
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PRODUCTS CATALOGUE

PRODUCT BULLETIN

**12**

May 2025







**BETA**  
i n d u s t r i a l

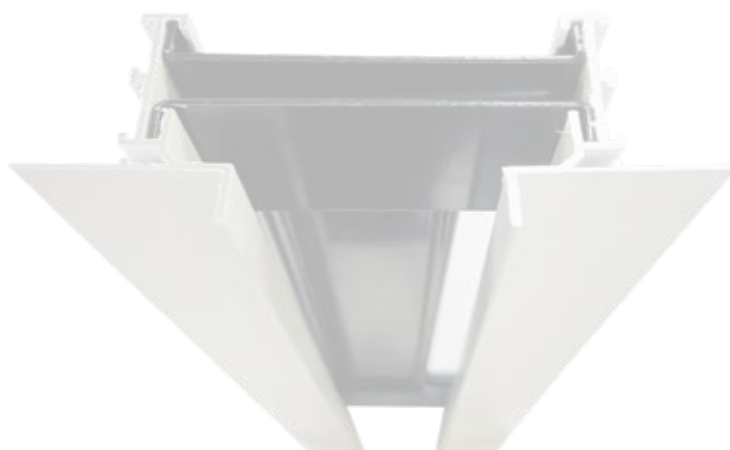
# index

>> **FLOW BAR DIFFUSERS**

**01 - 03**

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### High Throw Flow Bar Diffuser - FBR/BBF

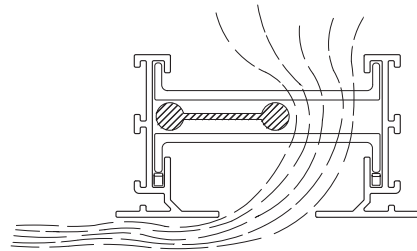
- Continuous slot system which allows the air distribution to become inconspicuous, while fully integrating and complementing the ceiling system and other ceiling components.
- Ceiling installation with unique clip and hanger support systems.
- Heavy extruded aluminium profile.
- Standard slot sizes are 50 & 38,25mm. Section lengths up to 12 feet are standard to minimize joints in long run.
- Integral pattern controllers allowing the airstream to be directed left and right for horizontal and vertical airflow. The format and colours of the table to be like below.
- Allows supply, return and exhaust air all from one diffuser, reducing ceiling clutter.



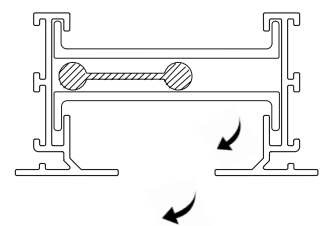
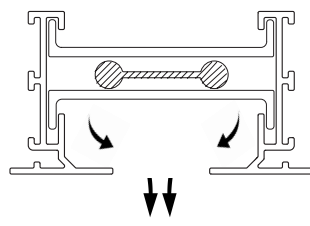
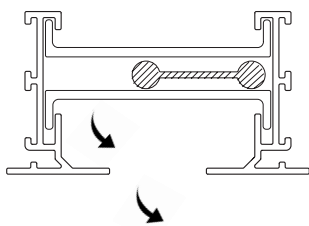
### Models

- FBR/BBF 25mm Slot
- FBR/BBF 38mm Slot
- FBR/BBF 50mm Slot

### Section Details



### Air Pattern

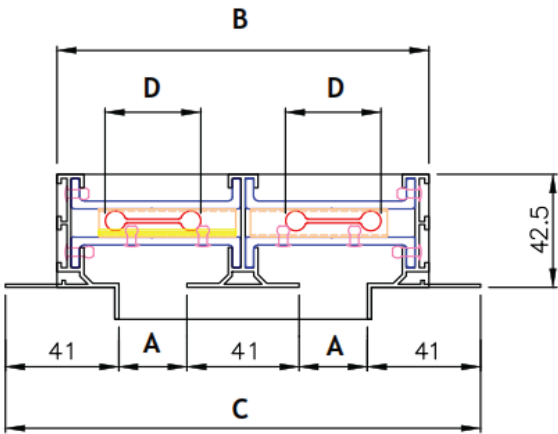
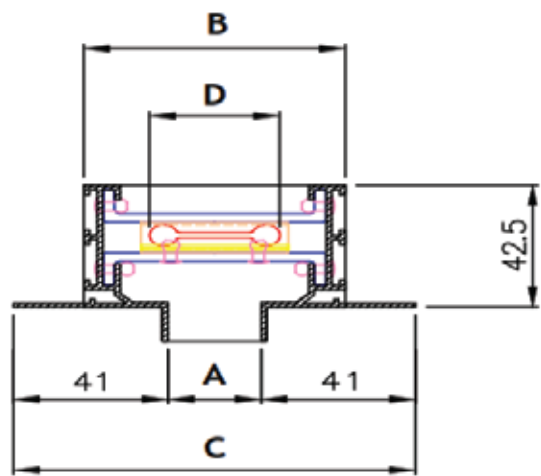




A) FLOW BAR DIFFUSER (FBR - Recessed Type Flow Bar Diffuser)

Number Of Slots	1			2		
Slot Width, mm (A)	25	38	50	25	38	50
Neck Dimension, mm (B)	70	82	95	136	160	185
Face Dimension, mm (C)	108	121	133	172	198	222
Air Controller Bar (D)	35	35	54	35	35	54

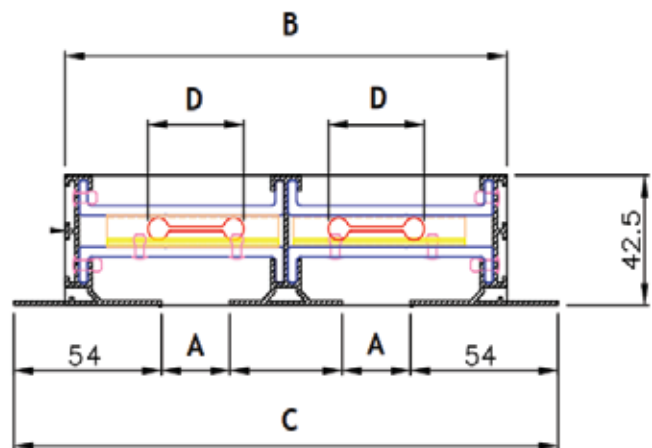
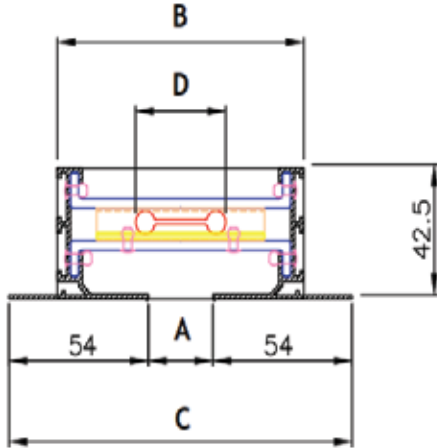
\* Above dimension with  $\pm 2$  mm tolerance.



B) FLOW BAR DIFFUSER (FBF - Flush Type Flow Bar Diffuser) 54 mm Flange

Number Of Slots	1			2		
Slot Width, mm (A)	25	38	50	25	38	50
Neck Dimension, mm (B)	95	107	119	163	188	211
Face Dimension, mm (C)	133	146	158	201	223	249
Air Controller Bar (D)	35	35	54	35	35	54

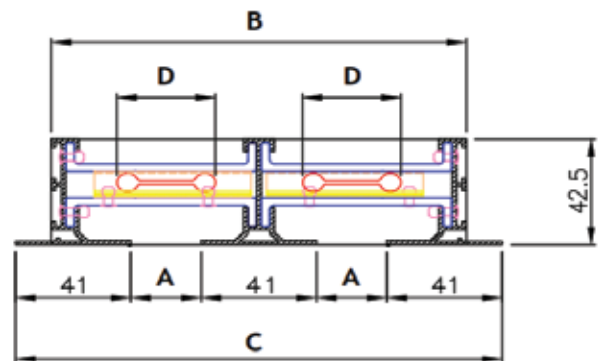
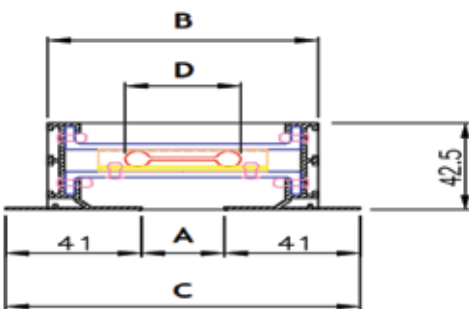
\* Above dimension with  $\pm 2$  mm tolerance.



C) FLOW BAR DIFFUSER (FBF - Flush Type Flow Bar Diffuser) 41 mm Flange

Number Of Slots	1			2		
Slot Width, mm (A)	25	38	50	25	38	50
Neck Dimension, mm (B)	82	95	107	148	173	198
Face Dimension, mm (C)	107	120	132	173	199	223
Air Controller Bar (D)	35	35	54	35	35	54

\* Above dimension with  $\pm 2$  mm tolerance.





## Performance Data



25MM Slot	1-Slot	Airflow, cfm/ft.	100	150	200	250	300	350
		Static Pressure	0.03	0.08	0.13	0.20	0.29	0.39
		NC (Noise Criteria)	<15	23	30	37	42	45
	2-Slot	Airflow, cfm/ft.	200	250	300	350	450	500
		Static Pressure	0.03	0.05	0.07	0.10	0.15	0.18
		NC (Noise Criteria)	<15	19	25	29	36	39
38MM Slot	1-Slot	Airflow, cfm/ft.	200	250	300	350	400	450
		Static Pressure	0.08	0.13	0.17	0.24	0.31	0.39
		NC (Noise Criteria)	<15	20	30	34	39	42
	2-Slot	Airflow, cfm/ft.	250	350	450	550	650	750
		Static Pressure	0.02	0.03	0.05	0.07	0.09	0.11
		NC (Noise Criteria)	16	18	26	32	37	41
50MM Slot	1-Slot	Airflow, cfm/ft.	200	250	275	300	350	450
		Static Pressure	0.09	0.14	0.18	0.21	0.29	0.48
		NC (Noise Criteria)	15	22	26	29	33	42
	2-Slot	Airflow, cfm/ft.	300	350	400	500	600	650
		Static Pressure	0.04	0.05	0.07	0.10	0.14	0.16
		NC (Noise Criteria)	16	21	25	32	37	40

- All pressures are in inches of water.

## Ordering Key:

F	B	R/F	I	/	25
FBF - Flush Type Flow Bar Diffuser FBR - Recessed Type Flow Bar Diffuser					
1 - 1 Slot 2 - 2 Slots					
25 - 25mm Slot Width 38 - 38mm Slot Width 50 - 50mm Slot Width					







## Performance Data



## 1 Slot 25mm Throw (FPM)

Vertical Throw

Inlet Static Pressure 0.011" H<sub>2</sub>O

Air Volume 60 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)													
	0'	1'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	
1"	22	22	76	97	81	73	63	46	--	--	--	--	--	--
3"	27	36	50	78	68	61	57	51	--	--	--	--	--	--
6"	37	108	67	66	56	41	39	45	--	--	--	--	--	--
9"	204	114	67	65	44	31	30	38	--	--	--	--	--	--
12"	26	45	69	51	39	23	--	25	--	--	--	--	--	--
18"	19	22	50	49	33	17	--	--	--	--	--	--	--	--
24"	--	--	17	31	25	--	--	--	--	--	--	--	--	--

Vertical Throw

Inlet Static Pressure 0.019" H<sub>2</sub>O

Air Volume 80 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)													
	0'	1'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	
1"	19	40	104	129	102	94	78	70	60	45	--	--	--	--
3"	31	71	83	105	84	83	80	65	59	49	--	--	--	--
6"	43	184	104	88	69	59	71	51	50	39	--	--	--	--
9"	277	119	90	80	57	45	56	43	42	31	--	--	--	--
12"	32	45	95	74	43	34	43	27	24	22	--	--	--	--
18"	25	28	67	73	43	27	32	22	19	--	--	--	--	--
24"	18	21	27	39	32	21	24	16	--	--	--	--	--	--

Vertical Throw

Inlet Static Pressure 0.103" H<sub>2</sub>O

Air Volume 185 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)													
	0'	1'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	
1"	67	75	219	253	225	211	165	116	106	91	--	--	--	--
3"	78	114	189	204	200	207	159	127	118	100	--	--	--	--
6"	101	339	240	175	166	170	127	105	90	95	--	--	--	--
9"	552	336	239	176	146	144	87	77	75	81	--	--	--	--
12"	69	123	199	181	139	109	61	61	48	61	--	--	--	--
18"	52	67	109	158	115	83	37	42	35	34	--	--	--	--
24"	43	50	40	62	67	52	23	21	24	24	--	--	--	--

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Total Quality. Assured.





## Performance Data



## I Slot 38mm Throw (FPM)

Vertical Throw      Inlet Static Pressure 0.020" H<sub>2</sub>O      Air Volume 100 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0	1	2	4	6	8	10	12	14	16	18	20	22
1"	30	102	130	125	102	82	64	46	--	--	--	--	--
3"	43	53	145	125	90	86	62	49	--	--	--	--	--
6"	44	79	125	110	86	74	50	42	--	--	--	--	--
9"	546	221	64	79	67	55	45	33	--	--	--	--	--
12"	38	45	39	48	52	49	40	24	--	--	--	--	--
18"	29	28	26	22	30	33	35	19	--	--	--	--	--
24"	22	22	22	15	18	24	16	--	--	--	--	--	--

Vertical Throw      Inlet Static Pressure 0.036" H<sub>2</sub>O      Air Volume 135 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0	1	2	4	6	8	10	12	14	16	18	20	22
1"	62	111	167	186	157	145	134	121	95	78	66	54	44
3"	75	62	202	150	128	137	135	118	95	83	73	63	50
6"	73	104	184	109	88	108	95	83	79	77	73	59	44
9"	552	309	94	54	54	76	64	60	64	60	58	60	39
12"	46	61	38	33	33	48	43	30	52	46	47	52	27
18"	33	41	24	24	21	32	37	22	32	31	29	53	25
24"	27	32	20	28	--	24	27	21	21	20	18	46	18

Vertical Throw      Inlet Static Pressure 0.0168" H<sub>2</sub>O      Air Volume 290 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0	1	2	4	6	8	10	12	14	16	18	20	22
1"	31	237	278	374	299	253	223	164	140	127	109	94	90
3"	46	136	370	297	236	232	210	175	153	134	124	109	101
6"	90	242	447	201	168	163	167	148	137	119	116	100	99
9"	552	552	301	106	84	91	100	101	96	102	104	90	92
12"	103	127	145	63	60	59	71	59	72	66	68	66	76
18"	78	80	73	45	38	42	42	39	48	49	42	44	64
24"	62	65	72	54	29	37	33	26	29	39	30	28	52

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Total Quality. Assured.





## Performance Data

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## I Slot 50mm Throw (FPM)

Vertical Throw

Inlet Static Pressure 0.014" H<sub>2</sub>O Air Volume 80 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)													
	0	1	2	4	6	8	10	12	14	16	18	20	22	
1"	18	25	61	87	81	83	68	44	--	--	--	--	--	--
3"	18	40	45	90	68	79	61	50	--	--	--	--	--	--
6"	27	36	55	85	49	63	49	45	--	--	--	--	--	--
9"	476	170	126	76	24	52	37	40	--	--	--	--	--	--
12"	32	52	104	66	24	39	26	31	--	--	--	--	--	--
18"	22	22	24	52	20	39	22	22	--	--	--	--	--	--
24"	16	16	17	27	--	29	--	16	--	--	--	--	--	--

Vertical Throw

Inlet Static Pressure 0.032" H<sub>2</sub>O Air Volume 120 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)													
	0	1	2	4	6	8	10	12	14	16	18	20	22	
1"	27	17	36	94	100	110	103	76	67	63	63	53	40	--
3"	31	24	41	97	109	118	106	89	76	73	68	63	49	--
6"	38	50	90	120	114	104	101	78	70	65	64	60	40	--
9"	551	260	185	146	126	107	85	57	61	63	57	58	33	--
12"	44	66	146	121	114	86	63	45	44	53	48	48	28	--
18"	35	31	36	77	94	71	50	30	37	50	40	46	29	--
24"	31	27	23	24	56	49	35	20	30	47	24	43	20	--

Vertical Throw

Inlet Static Pressure 0.124" H<sub>2</sub>O Air Volume 235 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)													
	0	1	2	4	6	8	10	12	14	16	18	20	22	
1"	44	44	119	127	161	175	133	119	123	110	107	87	85	--
3"	40	46	103	126	159	174	152	140	138	128	122	107	101	--
6"	71	71	126	128	144	170	161	148	133	130	118	107	94	--
9"	552	379	264	161	164	173	176	151	144	128	107	108	95	--
12"	86	190	360	231	195	182	173	145	133	124	90	100	83	--
18"	57	56	122	260	224	207	188	156	128	126	98	103	79	--
24"	42	57	44	144	180	177	174	150	130	114	98	93	88	--

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Total Quality. Assured.





## Performance Data



## 2 Slot 25mm Throw (FPM)

Vertical Throw

Inlet Static Pressure 0.01" H2O

Air Volume 100 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	277	58	28	20	--	--	--	--	--	--	--
6"	142	82	27	20	--	--	--	--	--	--	--
12"	19	100	27	22	--	--	--	--	--	--	--
18"	--	100	44	29	--	--	--	--	--	--	--
24"	--	77	61	41	--	--	--	--	--	--	--
30"	--	45	61	48	--	--	--	--	--	--	--
36"	--	22	56	52	--	--	--	--	--	--	--

Vertical Throw

Inlet Static Pressure 0.05" H2O

Air Volume 250 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	535	131	70	56	75	63	48	--	--	--	--
6"	398	174	89	64	76	59	51	--	--	--	--
12"	49	225	126	78	74	52	50	--	--	--	--
18"	32	263	144	112	84	60	52	--	--	--	--
24"	20	207	160	127	99	79	49	--	--	--	--
30"	16	97	145	122	107	91	52	--	--	--	--
36"	--	36	116	112	96	94	54	--	--	--	--

Vertical Throw

Inlet Static Pressure 0.12" H2O

Air Volume 400 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	1'	2'	4'	6'	8'	10'	12'	14'	16'	18'
1"	552	210	200	112	121	103	101	54	--	--	--
6"	401	165	208	146	125	102	105	62	--	--	--
12"	74	486	192	195	131	91	108	66	--	--	--
18"	50	342	299	195	139	90	105	64	--	--	--
24"	32	119	241	212	169	116	119	78	--	--	--
30"	30	57	135	199	172	154	132	93	--	--	--
36"	23	37	75	149	157	156	125	103	--	--	--

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Total Quality. Assured.





## Performance Data



## 2 Slot 38mm Throw (FPM)

Vertical Throw      Inlet Static Pressure 0.01" H<sub>2</sub>O      Air Volume 230 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	266	24	18	--	--	--	--	--	--	--	--
12"	219	24	22	--	--	--	--	--	--	--	--
24"	54	44	18	--	--	--	--	--	--	--	--
30"	36	51	24	--	--	--	--	--	--	--	--
36"	24	62	33	--	--	--	--	--	--	--	--
42"	20	81	43	--	--	--	--	--	--	--	--
48"	17	85	50	--	--	--	--	--	--	--	--

Vertical Throw      Inlet Static Pressure 0.03" H<sub>2</sub>O      Air Volume 380 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	418	65	21	--	--	--	--	--	--	--	--
12"	355	88	25	15	--	--	--	--	--	--	--
24"	87	69	27	30	--	--	--	--	--	--	--
30"	54	96	45	40	--	--	--	--	--	--	--
36"	45	125	66	52	--	--	--	--	--	--	--
42"	27	146	75	51	--	--	--	--	--	--	--
48"	25	129	83	53	--	--	--	--	--	--	--

Vertical Throw      Inlet Static Pressure 0.07" H<sub>2</sub>O      Air Volume 530 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	552	103	43	23	--	--	--	--	--	--	--
12"	475	127	66	25	--	--	--	--	--	--	--
24"	104	127	114	40	--	--	--	--	--	--	--
30"	54	189	127	45	--	--	--	--	--	--	--
36"	41	184	139	69	--	--	--	--	--	--	--
42"	34	151	143	83	--	--	--	--	--	--	--
48"	29	111	120	98	--	--	--	--	--	--	--

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## Performance Data



## Slot 50mm Throw (FPM)

Vertical Throw      Inlet Static Pressure 0.01" H<sub>2</sub>O      Air Volume 120 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	229	89	78	69	63	50	--	--	--	--	--
3"	149	83	70	65	62	46	--	--	--	--	--
6"	33	84	57	63	54	43	--	--	--	--	--
9"	24	78	56	63	54	46	--	--	--	--	--
12"	21	80	59	62	57	44	--	--	--	--	--
18"	17	56	60	59	58	32	--	--	--	--	--
24"	--	15	38	50	44	--	--	--	--	--	--

Vertical Throw      Inlet Static Pressure 0.04" H<sub>2</sub>O      Air Volume 310 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	552	207	156	122	108	105	83	59	44	--	--
3"	329	177	136	111	110	107	87	67	46	--	--
6"	80	145	102	102	115	104	88	68	49	--	--
9"	45	99	81	93	114	101	81	67	49	--	--
12"	26	81	81	95	109	104	84	66	49	--	--
18"	18	55	89	88	114	104	80	55	39	--	--
24"	--	17	66	84	110	95	73	45	28	--	--

Vertical Throw      Inlet Static Pressure 0.10" H<sub>2</sub>O      Air Volume 500 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	552	313	247	214	188	155	140	118	100	--	--
3"	552	259	210	205	181	152	146	121	100	--	--
6"	145	235	186	203	181	159	152	127	97	--	--
9"	82	212	170	189	170	143	141	121	87	--	--
12"	63	191	183	189	161	141	133	115	83	--	--
18"	45	185	213	209	164	156	128	107	79	--	--
24"	31	93	196	188	147	139	94	107	63	--	--

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## Performance Data

Horizontal F<sub>111</sub>

25MM Slot	1-Slot	Airflow, cfm/ft.	150	175	200	225	275	350
		Static Pressure	0.07	0.10	0.13	0.16	0.24	0.39
		NC (Noise Criteria)	16	21	24	27	33	40
	2-Slot	Airflow, cfm/ft.	200	250	300	350	450	550
		Static Pressure	0.03	0.05	0.07	0.09	0.15	0.22
		NC (Noise Criteria)	<15	18	24	28	36	42
38MM Slot	1-Slot	Airflow, cfm/ft.	200	250	300	350	400	450
		Static Pressure	0.05	0.08	0.11	0.15	0.20	0.25
		NC (Noise Criteria)	<15	23	27	33	38	43
	2-Slot	Airflow, cfm/ft.	250	450	500	550	650	750
		Static Pressure	0.02	0.05	0.06	0.07	0.09	0.11
		NC (Noise Criteria)	16	23	27	30	35	40
50MM Slot	1-Slot	Airflow, cfm/ft.	150	200	250	300	350	400
		Static Pressure	0.05	0.08	0.13	0.19	0.25	0.33
		NC (Noise Criteria)	16	21	28	34	38	43
	2-Slot	Airflow, cfm/ft.	300	350	450	500	600	700
		Static Pressure	0.04	0.05	0.08	0.10	0.14	0.19
		NC (Noise Criteria)	16	19	27	30	36	41

- All pressures are in inches of water.





Performance Data

Horizontal □□r□□

I Slot 25mm Throw (FPM)

Horizontal Throw      Inlet Static Pressure 0.006" H<sub>2</sub>O      Air Volume 45 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	5'	1'	1.5'	2'	2.5'	3'	3.5'	4'	6'	8'	10'	12'
1"	68	38	24	35	--	--	--	--	--	--	--	--	--
3"	200	28	30	31	--	--	--	--	--	--	--	--	--
6"	104	23	20	31	--	--	--	--	--	--	--	--	--
9"	56	33	26	32	--	--	--	--	--	--	--	--	--
12"	29	99	19	20	--	--	--	--	--	--	--	--	--
18"	28	26	78	34	--	--	--	--	--	--	--	--	--
24"	29	29	68	49	--	--	--	--	--	--	--	--	--

Horizontal Throw      Inlet Static Pressure 0.031" H<sub>2</sub>O      Air Volume 100 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	5'	1'	1.5'	2'	2.5'	3'	3.5'	4'	6'	8'	10'	12'
1"	50	43	32	47	30	34	--	--	--	--	--	--	--
3"	76	37	33	46	32	32	--	--	--	--	--	--	--
6"	465	35	27	51	33	21	--	--	--	--	--	--	--
9"	295	47	24	66	29	15	--	--	--	--	--	--	--
12"	123	189	29	80	29	17	--	--	--	--	--	--	--
18"	20	74	176	55	48	30	--	--	--	--	--	--	--
24"	24	59	187	101	80	51	--	--	--	--	--	--	--

Horizontal Throw      Inlet Static Pressure 0.131" H<sub>2</sub>O      Air Volume 205 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	5'	1'	1.5'	2'	2.5'	3'	3.5'	4'	6'	8'	10'	12'
1"	91	67	41	23	27	27	--	--	--	--	--	--	--
3"	174	71	40	27	37	34	--	--	--	--	--	--	--
6"	552	161	136	32	36	29	--	--	--	--	--	--	--
9"	552	110	129	40	34	23	--	--	--	--	--	--	--
12"	366	119	168	53	46	25	--	--	--	--	--	--	--
18"	42	403	414	234	109	79	--	--	--	--	--	--	--
24"	32	290	410	313	173	103	--	--	--	--	--	--	--

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Total Quality. Assured.







## Performance Data

## Horizontal Throw

## 1 Slot 38mm Throw (FPM)

Horizontal Throw Inlet Static Pressure 0.006" H<sub>2</sub>O Air Volume 70 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	5'	1'	1.5'	2'	2.5'	3'	3.5'	4'	6'	8'	10'	12'
1"	138	19	16	43	--	--	--	--	--	--	--	--	--
3"	259	24	25	42	--	--	--	--	--	--	--	--	--
6"	162	44	22	27	--	--	--	--	--	--	--	--	--
9"	90	99	26	25	--	--	--	--	--	--	--	--	--
12"	44	146	43	21	--	--	--	--	--	--	--	--	--
18"	23	40	77	51	--	--	--	--	--	--	--	--	--
24"	17	21	65	35	--	--	--	--	--	--	--	--	--

Horizontal Throw Inlet Static Pressure 0.014" H<sub>2</sub>O Air Volume 105 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	5'	1'	1.5'	2'	2.5'	3'	3.5'	4'	6'	8'	10'	12'
1"	295	39	36	23	40	26	--	--	--	--	--	--	--
3"	369	29	30	20	39	26	--	--	--	--	--	--	--
6"	123	58	22	--	30	19	--	--	--	--	--	--	--
9"	51	111	22	16	23	--	--	--	--	--	--	--	--
12"	31	193	42	15	18	--	--	--	--	--	--	--	--
18"	36	49	109	125	64	31	--	--	--	--	--	--	--
24"	32	51	100	134	111	48	--	--	--	--	--	--	--

Horizontal Throw Inlet Static Pressure 0.043" H<sub>2</sub>O Air Volume 185 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	5'	1'	1.5'	2'	2.5'	3'	3.5'	4'	6'	8'	10'	12'
1"	198	57	--	37	37	18	--	--	--	--	--	--	--
3"	490	48	22	36	40	25	--	--	--	--	--	--	--
6"	402	78	20	34	37	27	--	--	--	--	--	--	--
9"	194	154	24	31	32	29	--	--	--	--	--	--	--
12"	121	313	31	34	31	25	--	--	--	--	--	--	--
18"	43	166	240	192	115	41	--	--	--	--	--	--	--
24"	40	143	221	228	195	99	--	--	--	--	--	--	--





## Performance Data

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## I Slot 50mm Throw (FPM)

Horizontal Throw    Inlet Static Pressure 0.018" H<sub>2</sub>O    Air Volume 90 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	1'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'
1"	437	84	115	113	76	72	59	50	--	--	--	--	--
3"	62	139	130	124	87	71	60	46	--	--	--	--	--
6"	33	96	95	111	95	60	48	39	--	--	--	--	--
9"	30	28	62	99	81	48	29	32	--	--	--	--	--
12"	23	18	38	77	72	50	26	25	--	--	--	--	--
18"	22	15	28	58	54	47	19	19	--	--	--	--	--
24"	16	--	--	35	35	40	--	--	--	--	--	--	--

Horizontal Throw    Inlet Static Pressure 0.027" H<sub>2</sub>O    Air Volume 110 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	1'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'
1"	434	255	161	134	122	106	91	82	70	64	51	47	--
3"	264	292	187	145	132	123	104	95	83	75	62	52	--
6"	28	119	150	108	106	101	100	101	86	76	64	48	--
9"	22	48	117	104	105	113	100	92	80	69	61	41	--
12"	17	16	40	59	80	91	84	81	70	59	50	34	--
18"	--	--	--	40	65	86	77	69	51	53	51	33	--
24"	--	--	--	22	49	71	61	61	32	48	47	29	--

Horizontal Throw    Inlet Static Pressure 0.076" H<sub>2</sub>O    Air Volume 185 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)												
	0'	1'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'
1"	552	378	263	255	194	177	157	136	122	109	102	82	--
3"	400	457	306	257	215	200	176	155	145	130	122	94	--
6"	46	209	226	208	174	189	171	150	145	127	124	99	--
9"	34	95	189	189	182	191	174	154	144	126	133	98	--
12"	24	22	46	123	135	174	162	133	123	119	124	87	--
18"	18	24	21	73	107	162	153	123	122	112	119	77	--
24"	15	23	19	30	73	124	116	102	108	104	95	68	--

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## Performance Data

## Horizontal Throw

□ □ □ □ □ □ □ □ □ □ (FPM)

Horizontal Throw

Inlet Static Pressure 0.01" H<sub>2</sub>O

Air Volume 140 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	19	65	95	91	86	62	49	--	--	--	--
3"	27	92	103	84	77	54	50	--	--	--	--
6"	34	71	120	78	67	51	48	--	--	--	--
9"	190	126	121	80	65	47	46	--	--	--	--
12"	94	200	112	78	62	44	43	--	--	--	--
18"	26	138	102	79	67	47	43	--	--	--	--
24"	--	27	69	70	70	44	40	--	--	--	--

Horizontal Throw

Inlet Static Pressure 0.05" H<sub>2</sub>O

Air Volume 250 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	34	40	153	180	124	137	98	91	77	70	35
3"	46	50	167	179	119	130	106	94	78	74	40
6"	61	85	200	190	127	124	114	93	78	72	42
9"	235	202	235	194	134	124	114	94	81	71	47
12"	235	345	261	207	142	129	105	83	78	67	43
18"	48	247	252	220	160	137	106	83	79	66	48
24"	30	69	180	204	137	124	90	76	76	65	49

Horizontal Throw

Inlet Static Pressure 0.10" H<sub>2</sub>O

Air Volume 360 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	56	149	204	242	219	209	162	138	126	121	85
3"	73	190	230	238	200	202	156	139	126	123	94
6"	96	183	298	252	204	200	156	139	133	126	102
9"	294	312	326	254	197	187	150	138	127	114	99
12"	342	496	346	268	204	181	151	133	122	104	93
18"	52	305	324	276	218	194	169	133	134	101	86
24"	32	79	222	240	190	178	164	113	123	88	82

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Performance Data

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Horizontal Throw

Inlet Static Pressure 0.00" H<sub>2</sub>O

Air Volume 140 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	26	54	92	72	62	59	47	--	--	--	--
3"	31	65	87	77	55	57	48	--	--	--	--
6"	32	44	96	78	54	55	49	--	--	--	--
9"	100	53	102	85	63	52	44	--	--	--	--
12"	306	134	117	92	70	47	37	--	--	--	--
18"	26	195	138	102	72	49	39	--	--	--	--
24"	15	115	133	106	77	52	50	--	--	--	--

Horizontal Throw

Inlet Static Pressure 0.02" H<sub>2</sub>O

Air Volume 255 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	42	50	106	123	112	99	107	106	82	63	44
3"	55	52	126	130	104	97	106	102	84	63	45
6"	54	61	156	144	110	96	106	98	80	66	48
9"	191	96	174	155	117	93	96	89	77	71	53
12"	551	223	198	160/178	124	93	90	85	74	64	53
18"	43	326	240	183	139	108	94	93	76	62	50
24"	29	194	233	--	141	115	99	85	71	68	50

Horizontal Throw

Inlet Static Pressure 0.03" H<sub>2</sub>O

Air Volume 370 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	73	139	174	193	157	146	138	129	112	111	98
3"	87	123	185	187	159	150	135	127	116	112	100
6"	89	106	228	202	179	165	141	134	125	119	102
9"	285	215	253	216	184	159	136	124	124	112	100
12"	551	428	287	235	192	161	125	114	119	109	95
18"	64	463	335	267	210	165	126	113	123	110	90
24"	45	181	320	250	208	164	114	114	115	94	82

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## Performance Data

## Horizontal Throw

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Horizontal Throw

Inlet Static Pressure 0.01" H<sub>2</sub>O

Air Volume 130 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	--	30	63	41	53	50	36	--	--	--	--
3"	--	44	79	58	54	50	40	--	--	--	--
6"	--	57	84	73	57	51	36	--	--	--	--
9"	30	61	77	88	63	5	38	--	--	--	--
12"	169	78	78	95	65	60	39	--	--	--	--
18"	29	155	103	101	78	65	44	--	--	--	--
24"	20	94	126	100	82	60	51	--	--	--	--

Horizontal Throw

Inlet Static Pressure 0.03" H<sub>2</sub>O

Air Volume 265 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	18	35	68	59	40	85	76	55	64	51	34
3"	25	41	94	74	47	90	82	52	66	56	36
6"	39	51	130	114	56	103	88	54	71	55	36
9"	70	64	146	148	86	113	94	66	76	58	43
12"	362	167	147	174	109	120	105	75	74	58	45
18"	50	342	193	200	145	130	121	89	79	59	46
24"	25	234	247	209	182	128	117	102	92	54	52

Horizontal Throw

Inlet Static Pressure 0.06" H<sub>2</sub>O

Air Volume 400 CFM

Distance From Ceiling (in.)	Distance From Diffuser (Ft)										
	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'
1"	34	22	43	105	97	93	80	84	114	72	81
3"	45	34	56	118	120	109	93	88	116	77	81
6"	67	41	91	141	148	136	103	94	125	87	82
9"	102	79	132	177	171	149	115	109	121	86	85
12"	544	258	202	223	199	176	134	128	120	96	85
18"	73	476	302	263	234	203	159	146	131	107	90
24"	40	239	326	278	240	224	182	154	132	113	100

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