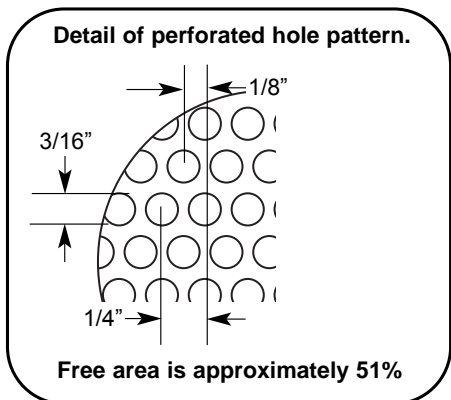


Deflectors mounted on back of perforated face. Deflectors are field adjustable to different discharge angles.

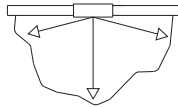
Nominal Face Size	Dim. A.	Dim B.	Dim. C.	Dim. D.
24" x 24"	23-3/4"	23-3/4"	23"	23-1/16"
24" x 48"	23-3/4"	47-3/4"	23"	47-1/16"



Notes:

1. Inlet is undersized by 1/8" (3) to fit inside duct.
2. Perforated face free area is approximately 51%.
3. Two Safety Chains are provided as standard feature.
4. Seismic tabs are integral to the construction of each corner.
5. Deflectors are field adjustable between 180° and 90° discharge pattern, as well as between long (standard) and short discharge pattern. The 180° long pattern is shown above.
6. Face assembly and baffle assembly are removable for cleaning. They remove as two pieces as standard. One piece construction of baffle and face assemblies is available on request.
7. This is sized to fit 15/16" and 9/16" flat-face T-bar.
8. Sizing to fit 1-1/2" T-bar is available on request.
9. To surface mount this product, use Auxiliary Frame KXFA. (p. A417)

- 24" x 24" Nominal Face
- 180° Discharge Pattern



Duct Velocity (fpm)	300	400	500	600	700	800	900	1000	1200	1400
Static Pressure (w.g.)	0.007	0.012	0.018	0.024	0.032	0.040	0.049	0.058	0.081	0.105
Total Pressure (w.g.)	0.013	0.022	0.034	0.046	0.063	0.080	0.100	0.120	0.171	0.227

6" (152) Inlet

Air Flow (cfm)	59	79	98	118	138	157	177	196	236	275
Sound (NC/RC)	14/- -	15/11H	16/13H	16/15H	17/17H	18/18H	18/19H	19/20H	20/22N	22/23N
Horizontal Throw (ft)	0-0-1	0-1-2	0-1-2	1-1-2	1-1-2	1-2-2	1-2-3	1-2-3	2-2-3	2-2-3
Vertical Throw (ft)	0-0-1	0-0-1	0-0-1	0-1-1	0-1-2	1-1-2	1-1-2	1-1-2	1-1-2	1-2-2

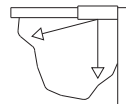
8" (203) Inlet

Air Flow (cfm)	105	140	175	210	244	279	314	349	419	489
Sound (NC/RC)	14/- -	15/11H	16/13H	16/15H	17/17H	18/18H	18/19H	19/20H	21/22N	22/23N
Horizontal Throw (ft)	1-1-2	1-2-2	1-2-3	2-2-3	2-2-3	2-2-3	2-2-4	2-3-4	2-3-4	3-3-4
Vertical Throw (ft)	0-1-1	0-1-2	1-1-2	1-1-2	1-1-2	1-2-2	1-2-2	1-2-2	2-2-2	2-2-3

10" (254) Inlet

Air Flow (cfm)	164	218	273	327	382	437	491	546	654	764
Sound (NC/RC)	14/- -	15/11H	16/14H	16/16H	17/18H	18/20H	20/21N	21/22N	24/24N	26/27N
Horizontal Throw (ft)	1-2-3	1-2-3	2-2-3	2-3-4	2-3-4	2-3-4	3-3-4	3-3-5	3-4-5	3-4-6
Vertical Throw (ft)	1-1-2	1-1-2	1-1-2	1-2-2	1-2-2	2-2-3	2-2-3	2-2-3	2-2-3	2-2-4

- 24" x 24" Nominal Face
- 90° Discharge Pattern



Duct Velocity (fpm)	300	400	500	600	700	800	900	1000	1200	1400
Static Pressure (w.g.)	0.007	0.012	0.018	0.024	0.032	0.040	0.049	0.058	0.081	0.105
Total Pressure (w.g.)	0.013	0.022	0.034	0.046	0.063	0.080	0.100	0.120	0.171	0.227

6" (152) Inlet

Air Flow (cfm)	59	79	98	118	138	157	177	196	236	275
Sound (NC/RC)	14/- -	15/11H	16/13H	15/15H	17/17H	18/18H	18/19H	19/20H	20/22N	22/23N
Horizontal Throw (ft)	1-1-2	1-1-2	1-1-2	1-2-2	1-2-3	2-2-3	2-2-3	2-2-3	2-2-3	2-3-4
Vertical Throw (ft)	1-1-1	1-1-1	1-1-2	1-1-2	1-1-2	1-1-2	1-2-2	1-2-2	1-2-3	2-2-3

8" (203) Inlet

Air Flow (cfm)	105	140	175	210	244	279	314	349	419	489
Sound (NC/RC)	14/- -	15/11H	16/13H	16/15H	17/17H	18/18H	18/19H	19/20H	21/22N	22/23N
Horizontal Throw (ft)	1-2-2	1-2-3	2-2-3	2-2-3	2-2-4	2-3-4	2-3-4	2-3-4	3-3-5	3-4-5
Vertical Throw (ft)	1-1-2	1-1-2	1-2-2	1-2-2	2-2-3	2-2-3	2-2-3	2-2-3	2-2-4	2-3-4

10" (254) Inlet

Air Flow (cfm)	164	218	273	327	382	437	491	546	654	764
Sound (NC/RC)	14/- -	15/11H	16/14H	16/16H	17/18H	18/20H	20/21N	21/22N	24/24N	26/27N
Horizontal Throw (ft)	2-2-3	2-2-3	2-3-4	2-3-4	3-3-4	3-3-5	3-4-5	3-4-5	3-4-6	4-4-6
Vertical Throw (ft)	1-2-2	1-2-3	2-2-3	2-2-3	2-2-3	2-3-4	2-3-4	2-3-4	3-3-4	3-3-5

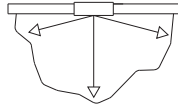
Notes on Performance Data.

1. Performance data is based on tests conducted according to ANSI/ASHRAE Standard 70-1991. Actual performance in the field may vary.
2. Testing was conducted in isothermal conditions. Performance in 5° Δ T cooling conditions is the same.
3. NC and RC levels are based on a room absorption of 10dB re 10⁻¹² watts.
4. Throw values are given for terminal velocities of 150, 100 and 50 fpm, respectively.
5. A " - - " indicates an NC or RC level less than 10.

Units of Measure Used.

- Air flow is given in cubic feet per minute (cfm).
- Pressure is given in inches of water (w.g.)
- Velocity is given in feet per minute (fpm).
- Sound levels are given in both NC (Noise Criteria) and RC (Room Criteria). NC is the first with RC second, separated by a slash.

- 24" x 48" Nominal Face
- 180° Discharge Pattern



Duct Velocity (fpm)	300	400	500	600	700	800	900	1000	1200	1400
Static Pressure (w.g.)	0.007	0.012	0.017	0.023	0.030	0.037	0.046	0.055	0.075	0.098
Total Pressure (w.g.)	0.013	0.022	0.033	0.055	0.061	0.077	0.097	0.117	0.165	0.220

8" Inlet

Air Flow (cfm)	105	140	175	210	244	279	314	349	419	489
Sound (NC/RC)	14/-	15/11H	16/13H	16/15H	17/17H	17/19H	18/20H	19/21N	21/22N	23/24N
Horizontal Throw (ft)	0-1-1	1-1-2	1-1-2	1-1-2	1-1-2	1-2-2	1-2-2	1-2-2	2-2-3	2-2-3
Vertical Throw (ft)	0-1-1	0-1-1	1-1-2	1-1-2	1-1-2	1-1-2	1-1-2	1-2-2	1-2-3	2-2-3

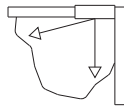
10" Inlet

Air Flow (cfm)	164	218	273	327	382	437	491	546	654	764
Sound (NC/RC)	14/-	15/12H	16/14H	16/16H	18/18H	20/20H	21/22N	23/23N	25/25N	27/27N
Horizontal Throw (ft)	1-1-2	1-1-2	1-1-2	1-2-2	1-2-3	2-2-3	2-2-3	2-2-3	2-2-3	2-3-4
Vertical Throw (ft)	1-1-2	1-1-2	1-1-2	1-2-2	1-2-2	1-2-3	2-2-3	2-2-3	2-2-3	2-2-4

12" Inlet

Air Flow (cfm)	236	314	393	471	550	629	707	786	942	1100
Sound (NC/RC)	15/13H	16/16H	18/19H	21/21H	23/23N	25/25N	26/26N	28/27N	30/30N	33/32N
Horizontal Throw (ft)	1-1-2	1-2-2	1-2-3	2-2-3	2-2-3	2-2-3	2-2-3	2-3-4	2-3-4	2-3-4
Vertical Throw (ft)	1-1-2	1-1-2	1-2-3	1-2-3	2-2-3	2-2-3	2-2-3	2-3-4	2-3-4	2-3-4

- 24" x 48" Nominal Face
- 90° Discharge Pattern



Duct Velocity (fpm)	300	400	500	600	700	800	900	1000	1200	1400
Static Pressure (w.g.)	0.007	0.012	0.017	0.023	0.030	0.037	0.046	0.055	0.075	0.098
Total Pressure (w.g.)	0.013	0.022	0.033	0.055	0.061	0.077	0.097	0.117	0.165	0.220

8" Inlet

Air Flow (cfm)	105	140	175	210	244	279	314	349	419	489
Sound (NC/RC)	14/-	15/11H	16/13H	16/15H	17/17H	17/19H	18/20H	19/21N	21/22N	23/24N
Horizontal Throw (ft)	0-1-1	1-1-2	1-1-2	1-1-2	1-1-2	1-2-2	1-2-2	1-2-2	2-2-3	2-2-3
Vertical Throw (ft)	0-1-1	1-1-1	1-1-2	1-1-2	1-1-2	1-1-2	1-1-2	1-2-2	1-2-2	1-2-3

10" Inlet

Air Flow (cfm)	164	218	273	327	382	437	491	546	654	764
Sound (NC/RC)	14/-	15/12H	16/14H	16/16H	18/18H	20/20H	21/22N	23/23N	25/25N	27/27N
Horizontal Throw (ft)	1-1-2	1-1-2	1-2-2	1-2-2	2-2-3	2-2-3	2-2-3	2-2-3	2-2-3	2-3-4
Vertical Throw (ft)	1-1-1	1-1-2	1-1-2	1-1-2	1-2-2	1-2-2	1-2-3	2-2-3	2-2-3	2-2-3

12" Inlet

Air Flow (cfm)	236	314	393	471	550	629	707	786	942	1100
Sound (NC/RC)	15/13H	16/16H	18/19H	21/21H	23/23N	25/25N	26/26N	28/27N	30/30N	33/32N
Horizontal Throw (ft)	1-1-2	1-2-2	2-2-3	2-2-3	2-2-3	2-2-3	2-3-4	2-3-4	2-3-4	3-3-4
Vertical Throw (ft)	1-1-2	1-1-2	1-2-2	1-2-2	2-2-3	2-2-3	2-2-3	2-2-3	2-2-4	2-3-4

Notes on Performance Data.

1. Performance data is based on tests conducted according to ANSI/ASHRAE Standard 70-1991. Actual performance in the field may vary.
2. Testing was conducted in isothermal conditions. Performance in 5° Δ T cooling conditions is the same.
3. NC and RC levels are based on a room absorption of 10dB re 10⁻¹² watts.
4. Throw values are given for terminal velocities of 150, 100 and 50 fpm, respectively.
5. A "--" indicates an NC or RC level less than 10.

Units of Measure Used.

- Air flow is given in cubic feet per minute (cfm).
- Pressure is given in inches of water (w.g.)
- Velocity is given in feet per minute (fpm).
- Sound levels are given in both NC (Noise Criteria) and RC (Room Criteria). NC is the first with RC second, separated by a slash.