



MODEL DBD-43 SUPPLY PERFORMANCE DATA

4-Sided, 3-Way Throw with Double Deflection Grilles

GRILLE SIZE	CFM	Pt	THROW-FRONT	THROW-SIDES	NC
20 x 18 10 x 18	600	0.02	11-18-34	9-14-26	>20
	1,800	0.04	21-31-56	16-25-39	>20
	3,000	0.07	31-43-61	20-30-43	27
24 x 24 12 x 24	3,000	0.04	29-36-62	18-27-44	>20
	4,000	0.05	33-48-70	22-33-48	22
	5,000	0.08	45-59-83	32-40-58	31
28 x 28 14 x 28	5,000	0.05	38-56-82	24-36-58	23
	6,000	0.06	45-63-90	34-48-68	27
	7,000	0.08	53-69-97	40-51-73	32
36 x 32 18 x 32	7,000	0.04	46-69-100	33-48-70	23
	8,500	0.06	50-74-105	36-52-73	28
	10,000	0.09	60-80-112	42-57-80	33
46 x 38 23 x 38	10,000	0.06	46-69-112	33-49-80	22
	12,500	0.08	58-86-125	41-61-89	28
	15,000	0.10	75-100-145	49-69-98	34
52 x 39 26 x 39	15,000	0.08	63-95-138	45-68-98	28
	17,500	0.09	76-107-151	54-76-108	32
	20,000	0.11	89-116-163	63-82-116	37
64 x 39 32 x 39	20,000	0.08	80-113-159	57-79-111	33
	22,500	0.11	94-122-173	65-85-121	35
	25,000	0.13	106-131-185	73-88-125	39
76 x 39 38 x 39	27,500	Consult Factory			
96 x 39 48 x 39	35,000	Consult Factory			

CORRECTION FACTOR

Blade Deflection	Pt	Throw	NC
22.5°	x 1.15	x .85	+ 2
45°	x 1.75	x .73	+ 7

Pt – Total Pressure, inches w.g.

NC – Noise Criteria based on room attenuation of 10 dB

Throw – Distance, in feet, to terminal velocities of
150, 100, 50 fpm under isothermal conditions

PERFORMANCE NOTES:

- Pt, throw and NC are based on 0° deflection. Correction factors for other conditions are listed above.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 - 2006.
- Consult Factory for performance when a damper is included.