



MODEL DBD-44 SUPPLY PERFORMANCE DATA

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

GRILLE SIZE	CFM	Pt	THROW	NC
16 x 8	600	0.02	8-13-25	>20
	1,800	0.05	13-20-29	20
	3,000	0.11	23-28-41	30
20 x 12	3,000	0.04	18-29-43	>20
	4,000	0.06	25-35-50	23
	5,000	0.09	31-39-55	30
24 x 14	5,000	0.06	25-38-55	22
	6,000	0.07	29-40-57	26
	7,000	0.09	35-45-64	31
26 x 18	7,000	0.06	32-47-70	24
	8,500	0.07	36-50-71	29
	10,000	0.11	45-56-80	33
32 x 21	10,000	0.07	38-55-80	24
	12,500	0.10	49-65-91	31
	15,000	0.12	55-68-95	36
38 x 26	15,000	0.08	46-68-97	27
	17,500	0.10	51-72-102	31
	20,000	0.12	60-78-111	36
42 x 28	20,000	0.09	55-77-109	31
	22,500	0.12	64-84-118	33
	25,000	0.13	68-88-123	38
46 x 30	25,000	0.11	68-92-130	34
	27,500	0.12	73-95-134	36
	30,000	0.14	83-101-143	40
60 x 30**	35,000	Consult Factory		
74 x 31**	45,000	Consult Factory		
81 x 34**	55,000	Consult Factory		
87 x 36**	65,000	Consult Factory		

** Consists of two grilles with a mullion in between

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.