



MODEL DBD-33 SUPPLY PERFORMANCE DATA

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

GRILLE SIZE	CFM	Pt	THROW	NC
14 x 10	600	0.06	9-14-26	>20
	1,800	0.10	21-27-39	23
	3,000	0.18	29-36-51	36
22 x 14	3,000	0.09	22-33-48	>20
	4,000	0.11	29-40-57	26
	5,000	0.15	36-44-62	33
30 x 15	5,000	0.10	28-42-61	>20
	6,000	0.13	36-50-71	29
	7,000	0.15	40-51-73	32
36 x 18	7,000	0.11	35-53-77	22
	8,500	0.14	42-58-83	30
	10,000	0.15	48-63-89	33
42 x 22	10,000	0.11	41-61-89	23
	12,500	0.14	49-69-98	33
	15,000	0.17	73-89-126	43
48 x 27	15,000	0.13	42-75-105	27
	17,500	0.15	60-84-117	35
	20,000	0.17	70-88-125	37
48 x 32	20,000	0.15	67-94-132	32
	22,500	0.16	77-102-143	33
	25,000	0.17	82-106-148	38
48 x 39	25,000	0.16	74-104-146	33
	27,500	0.17	86-112-158	37
	30,000	0.18	97-120-168	40

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.