

PERFORMANCE DATA

Unit Size L x H [in]	Face Velocity [fpm]	Air Flow [cfm]	Total Pressure [in. w.g.]	Static Pressure [in. w.g.]	Noise Criteria [NC]	Proximity to Outlet [ft]			
						DR 20%		Adjacent Zone	
						ΔT = 5 °F	ΔT = 10 °F	DT = 5°F	DT = 10°F
24 x 6	20	9	-	-	-	0	0	-	-
	30	14	-	-	-	0	0	-	-
	40	18	-	-	-	0	1	-	-
	50	23	-	-	-	0	2	-	1
24 x 12	20	28	-	-	-	0	3	-	2
	30	41	-	-	-	1	4	1	4
	40	55	-	-	-	2	6	2	6
	50	69	0.01	0.01	-	3	7	3	7
24 x 18	20	46	-	-	-	1	5	1	5
	30	69	-	-	-	3	7	4	7
	40	92	-	-	-	4	8	5	9
	50	115	0.01	0.01	-	5	9	7	10
30 x 6	20	12	-	-	-	0	0	-	-
	30	18	-	-	-	0	0	-	-
	40	23	-	-	-	0	1	-	-
	50	29	-	-	-	0	2	-	1
30 x 12	20	35	-	-	-	0	3	-	2
	30	53	-	-	-	1	4	1	4
	40	70	-	-	-	2	6	2	6
	50	88	0.01	0.01	-	3	7	4	7
30 x 18	20	58	-	-	-	1	5	1	5
	30	88	-	-	-	3	7	4	7
	40	117	-	-	-	4	8	5	9
	50	146	0.01	0.01	-	5	9	7	10
30 x 6	20	14	-	-	-	0	0	-	-
	30	21	-	-	-	0	0	-	-
	40	28	-	-	-	0	1	-	-
	50	35	-	-	-	0	2	-	1
36 x 12	20	43	-	-	-	0	3	-	2
	30	64	-	-	-	1	4	1	4
	40	85	-	-	-	2	6	2	6
	50	106	0.01	0.01	-	3	7	4	7
36 x 18	20	71	-	-	-	1	5	1	5
	30	106	-	-	-	3	7	4	7
	40	142	0.01	0.01	-	4	8	5	9
	50	177	0.02	0.02	-	5	9	7	10
40 x 6	20	19	-	-	-	0	0	-	-
	30	29	-	-	-	0	0	-	-
	40	38	-	-	-	0	1	-	-
	50	48	0.01	0.01	-	0	2	-	1
48 x 12	20	58	-	-	-	0	3	-	2
	30	86	-	-	-	1	4	1	4
	40	115	-	-	-	2	6	2	6
	50	144	0.01	0.01	-	3	7	4	7
48 x 18	20	96	-	-	-	1	5	1	5
	30	144	-	-	-	3	7	4	7
	40	192	0.01	0.01	-	4	8	5	9
	50	240	0.02	0.02	-	6	10	7	10
60 x 6	20	24	-	-	-	0	0	-	-
	30	36	-	-	-	0	0	-	-
	40	48	-	-	-	0	1	-	-
	50	60	0.01	0.01	-	0	2	-	1
60 x 12	20	73	-	-	-	0	3	-	2
	30	109	-	-	-	1	4	1	4
	40	145	0.01	0.01	-	2	6	2	6
	50	181	0.02	0.02	-	3	7	4	7
60 x 18	20	121	-	-	-	1	5	1	5
	30	181	-	-	-	3	7	4	7
	40	242	0.01	0.01	-	4	8	5	9
	50	302	0.02	0.02	-	6	10	7	10

Performance Notes:

- Sound and pressure drop tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
- Air flow is in cubic feet per minute, cfm.
- Pressure is in inches of water, in. w.g.
- The NC values, sound pressure level, are based on a room absorption of 10 dB, re 10⁻¹² watts and one diffuser.
- ΔT is the difference between the room air temperature 3½ ft above the floor and the temperature of the supply air.
- Proximity to outlet is the minimum distance from an outlet to the occupant in order to achieve the listed DR value.
- Distances closer to the diffuser have a higher DR than the cataloged value.
- DR is the predicted percentage of people dissatisfied (PPD) due to draft. A value of less than 20 meets the requirements of ASHRAE Standard 55-2004, Thermal Environmental Conditions for Human Occupancy.
- Blanks "-" indicate that the DR is below the specified value at all distances from the diffuser face.
- DR catalog data is presented for an occupant density of 25 people/1000ft², which is the default occupancy density for classrooms (ages 5-8) given by ASHRAE 62.1-2004. For other occupant densities, please refer to the DV Room Designer Software.
- The Adjacent zone describes the distance from the face of the diffuser and measured 1 in. from the floor, at which the supply air velocity is 50 fpm.