

PERFORMANCE DATA

Cooling: Hydronic Heating Option

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	
						$\Delta T = 5\text{ }^\circ\text{F}$	$\Delta T = 10\text{ }^\circ\text{F}$	$\Delta T = 5\text{ }^\circ\text{F}$	$\Delta T = 10\text{ }^\circ\text{F}$
24 x 16	20	20	-	-	-	-	1	--	1
	30	30	-	-	-	-	3	--	2
	40	40	-	-	-	1	4	1	4
	50	50	0.01	0.01	-	2	5	2	5
24 x 20	20	33	-	-	-	-	4	--	3
	30	50	-	-	-	2	5	2	5
	40	67	-	-	-	3	7	3	7
	50	83	0.01	0.01	-	4	8	5	8
24 x 24	20	47	-	-	-	2	5	1	5
	30	70	-	-	-	3	7	4	7
	40	93	-	-	-	5	9	5	9
	50	117	0.01	0.01	-	6	10	7	10
36 x 16	20	30	-	-	-	-	1	--	1
	30	45	-	-	-	-	3	--	2
	40	60	-	-	-	1	4	1	4
	50	75	0.01	0.01	-	2	5	2	5
36 x 20	20	50	-	-	-	-	3	--	3
	30	75	-	-	-	2	5	2	5
	40	100	-	-	-	3	7	3	7
	50	125	0.01	0.01	-	4	8	5	8
36 x 24	20	70	-	-	-	1	5	1	5
	30	105	-	-	-	3	7	4	7
	40	140	0.01	0.01	-	4	8	5	9
	50	175	0.02	0.02	-	6	10	7	10
48 x 16	20	40	-	-	-	-	1	--	--
	30	60	-	-	-	-	3	--	2
	40	80	-	-	-	1	4	1	4
	50	100	0.01	0.01	-	2	5	2	5
48 x 20	20	67	-	-	-	-	3	--	3
	30	100	-	-	-	2	5	2	5
	40	133	-	-	-	3	7	3	7
	50	167	0.02	0.02	-	4	8	5	8
48 x 24	20	93	-	-	-	1	5	1	5
	30	140	-	-	-	3	7	4	7
	40	187	0.01	0.01	-	4	8	5	9
	50	233	0.02	0.02	-	6	10	7	10
60 x 16	20	50	-	-	-	-	1	--	--
	30	75	-	-	-	-	3	--	2
	40	100	-	-	-	1	4	1	4
	50	125	0.01	0.01	-	1	5	2	5
60 x 20	20	83	-	-	-	-	3	--	3
	30	125	-	-	-	2	5	2	5
	40	167	0.01	0.01	-	3	7	3	7
	50	208	0.02	0.02	-	4	8	5	8
60 x 24	20	117	-	-	-	1	5	1	5
	30	175	-	-	-	3	7	4	7
	40	233	0.01	0.01	-	4	8	5	9
	50	292	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 3 ½ 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.