

PERFORMANCE DATA

Dia x H mm. [Face Area, m ²]	Inlet Size [mm]	Face Velocity [m/s]	Air Flow [L/s]	Total Pressure [pa]	Static Pressure [pa]	Noise Criteria [NC]	Proximity to Outlet, m			
							$\Delta T = 2.8^{\circ}\text{C}$		$\Delta T = 5.6^{\circ}\text{C}$	
							DR		DR	
							15%	20%	15%	20%
457 x 610 [0.19]	102	0.10	19	6.4	3.0	-	0.30	0.00	0.91	0.61
		0.15	29	14.4	6.8	-	0.61	0.30	1.22	0.61
		0.20	38	25.6	12.1	18	0.61	0.30	1.83	0.91
		0.25	48	40.0	18.8	26	0.91	0.30	2.44	1.22
610 x 610 [0.26]	152	0.10	26	3.6	---	---	0.30	0.00	0.91	0.30
		0.15	39	8.2	5.4	---	0.61	0.30	1.52	0.61
		0.20	52	14.6	9.6	---	0.91	0.61	2.13	0.91
		0.25	66	22.8	15.0	16	1.22	0.61	2.74	1.22
762 x 610 [0.33]	203	0.10	34	2.3	---	---	0.30	0.00	0.91	0.30
		0.15	50	5.2	3.7	---	0.91	0.30	1.52	0.91
		0.20	67	9.2	6.7	---	0.91	0.61	2.44	1.22
		0.25	83	14.4	10.4	---	1.52	0.61	3.05	1.52
457 x 915 [0.29]	102	0.10	29	7.0	---	---	0.61	0.00	1.22	0.61
		0.15	44	15.9	---	15	0.91	0.30	1.83	0.91
		0.20	59	28.2	---	25	1.22	0.61	2.74	1.22
		0.25	74	44.0	---	32	1.52	0.61	3.35	1.83
610 x 915 [0.39]	152	0.10	40	5.6	2.7	---	0.61	0.30	1.22	0.61
		0.15	60	12.6	6.1	---	1.22	0.61	2.13	0.91
		0.20	80	22.5	10.8	16	1.52	0.61	3.05	1.52
		0.25	101	35.1	16.9	23	2.13	0.91	3.96	2.13
762 x 915 [0.5]	203	0.10	51	3.9	---	---	0.61	0.30	1.52	0.61
		0.15	76	8.7	5.4	---	1.22	0.61	2.44	1.22
		0.20	102	15.6	9.6	---	1.83	0.91	3.35	1.83
		0.25	127	24.3	15.1	16	2.13	1.22	4.57	2.44
610 x 1219 [0.53]	152	0.10	54	6.5	---	---	0.61	0.30	1.83	0.91
		0.15	81	14.6	2.8	---	1.22	0.61	2.74	1.52
		0.20	108	25.9	4.9	20	2.13	0.91	3.96	2.13
		0.25	135	40.5	7.7	27	2.74	1.22	5.49	3.05
762 x 1219 [0.67]	203	0.10	68	5.2	2.5	---	0.91	0.30	2.13	0.91
		0.15	102	11.6	5.6	---	1.52	0.61	3.35	1.83
		0.20	137	20.7	10.0	---	2.44	1.22	4.57	2.44
		0.25	171	32.3	15.6	21	3.05	1.52	6.10	3.35
610 x 1525 [0.67]	152	0.10	68	5.8	---	---	0.91	0.61	2.13	0.91
		0.15	102	13.0	---	---	1.83	0.91	3.66	1.83
		0.20	135	23.1	---	24	2.44	1.22	5.18	2.74
		0.25	169	36.1	---	31	3.35	1.83	6.71	3.66
762 x 1525 [0.85]	203	0.10	86	5.9	---	---	1.22	0.61	2.44	1.22
		0.15	129	13.2	3.7	---	2.13	0.91	4.27	2.13
		0.20	172	23.5	6.6	17	2.74	1.52	5.79	3.05
		0.25	215	36.8	10.4	24	3.96	2.13	7.62	4.27

Performance Notes:

1. Sound and pressure Drop tested in accordance with ASHRAE Standard 70-1991 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Airflow is in Litres per second, L/s.
3. Pressure is in the Pascals, pa.
4. The NC values, sound pressure level, are based on a room absorption of 10 dB, re 10-12 watts and one diffuser.
5. Blanks(-) indicate an NC below or a Pressure below 2.5 pa.
6. DT is the under-temperature which is the difference between the room air temperature 1 meter above the floor and the temperature of the supply air.
7. Proximity to Outlet is the minimum distance from an outlet to occupant in order to achieve the listed DR Value.
8. 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.
9. DR catalog data is presented for an occupant density of 25people/100m², 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.
10. Performance data for standard diffusers not listed in the catalog is available in Price AIO Software.