

PERFORMANCE DATA

Model: DWR1 • Riser/Recessed Wall Mount • Flat Face

Unit Size WxH (inches)	Core Area (ft ²)	Face Velocity (FPM)	Airflow (CFM)	Static Pressure (in. w.g.)	Noise Criteria NC	Adjacent Zone			
						ΔT= 5°F		ΔT= 10°F	
						Length (ft)	Width (ft)	Length (ft)	Width (ft)
24x4	0.64	20	13	0.001	—	2	2	2	2
		30	19	0.002	—	4	2	6	3
		40	26	0.004	—	7	2	9	3
		50	32	0.006	—	10	2	12	4
24x6	0.97	20	19	0.001	—	2	2	3	2
		30	29	0.001	—	5	2	7	2
		40	39	0.002	—	9	2	10	2
		50	49	0.004	—	11	2	13	3
24x8	1.31	20	26	0.001	—	3	2	4	2
		30	39	0.002	—	6	2	8	2
		40	52	0.004	—	9	2	11	2
		50	65	0.006	—	12	2	14	3
30x4	0.80	20	16	—	—	2	3	4	4
		30	24	0.001	—	6	3	8	4
		40	32	0.001	—	9	3	11	4
		50	40	0.002	—	11	4	14	5
30x6	1.22	20	24	0.001	—	3	3	5	3
		30	37	0.002	—	7	3	9	3
		40	49	0.003	—	11	3	12	4
		50	61	0.005	—	14	3	15	4
30x8	1.63	20	33	0.002	—	3	3	6	3
		30	49	0.004	—	7	3	10	3
		40	65	0.006	—	11	3	13	3
		50	82	0.010	—	15	3	17	4
36x4	0.97	20	19	0.001	—	3	3	7	5
		30	29	0.001	—	6	4	10	6
		40	39	0.002	—	10	5	12	6
		50	48	0.004	—	14	5	15	6
36x6	1.46	20	29	0.001	—	5	3	7	4
		30	44	0.003	—	8	3	10	4
		40	59	0.005	—	12	4	15	4
		50	73	0.008	—	16	4	18	5
36x8	1.96	20	39	0.002	—	6	3	8	3
		30	59	0.005	—	9	3	12	4
		40	78	0.009	—	12	3	16	4
		50	98	0.014	—	17	3	19	4

Performance Notes:

1. Face velocity is in feet per minute, FPM.
2. Airflow is in cubic feet per minute, CFM.
3. Pressure is in inches water gauge, in. w.g.
4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates a NC of less than 15.
5. Data is based upon pressurized plenum application (non ducted) with no plenum effect for pressure or sound. Plenums should be sized to achieve even velocity across the diffuser face. Keep duct inlet velocities below 700 fpm in order to maintain catalogued performance.
6. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
7. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
8. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.