

PERFORMANCE DATA

Model: DFR90 • Floor Standing • 90° Pattern • Corner

Unit Size Dia.xH (inches)	Inlet Size (inches)	Core Area (ft ²)	Face Velocity (FPM)	Airflow (CFM)	Total Pressure (in. w.g.)	Static Pressure (in. w.g.)	Noise Criteria NC	Adjacent Zone	
								ΔT= 5°F	ΔT= 10°F
								Radius (ft)	Radius (ft)
18x24	4	2.2	20	44	0.023	0.007	—	3	4
			30	66	0.051	0.016	16	4	4
			40	88	0.092	0.028	22	4	5
			50	110	0.143	0.044	27	5	6
18x36	6	3.3	20	66	0.026	—	—	6	7
			30	99	0.059	—	19	7	8
			40	132	0.105	—	27	8	9
			50	165	0.164	—	33	9	10
24x24	6	3.0	20	59	0.013	0.007	—	3	5
			30	89	0.030	0.017	—	4	7
			40	118	0.052	0.030	—	5	7
			50	148	0.082	0.047	19	6	8
24x36	6	4.5	20	89	0.021	0.008	—	6	7
			30	134	0.048	0.018	—	7	9
			40	178	0.084	0.033	18	8	10
			50	223	0.132	0.052	25	9	11
24x48	6	6.0	20	120	0.024	0.001	—	7	9
			30	180	0.055	0.003	15	9	11
			40	240	0.098	0.005	22	11	13
			50	300	0.153	0.007	29	13	15
24x60	8	7.5	20	150	0.024	—	—	8	10
			30	225	0.053	—	16	10	12
			40	300	0.094	—	25	12	14
			50	375	0.147	—	32	14	16
30x24	8	3.7	20	74	0.010	0.007	—	3	4
			30	111	0.022	0.016	—	5	6
			40	148	0.040	0.028	—	7	8
			50	185	0.062	0.044	17	9	10
30x36	8	5.6	20	112	0.020	0.013	—	8	10
			30	168	0.045	0.030	—	10	12
			40	224	0.079	0.054	—	12	14
			50	280	0.124	0.084	20	14	16
30x48	8	7.6	20	151	0.023	0.011	—	8	11
			30	227	0.051	0.025	—	10	13
			40	302	0.091	0.044	15	12	15
			50	378	0.142	0.069	23	14	17
30x60	8	9.5	20	189	0.025	0.007	—	10	13
			30	284	0.057	0.015	15	12	15
			40	378	0.100	0.027	21	14	17
			50	473	0.157	0.043	27	16	19

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. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
6. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
7. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.