

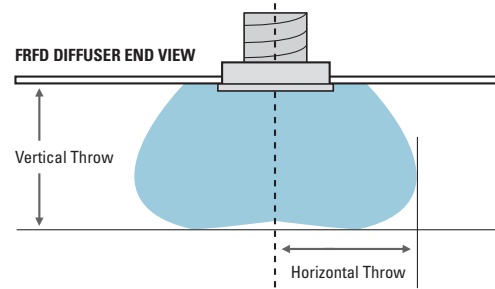
# PERFORMANCE DATA

## FRFD/AFRFD/FRFDSS

Air Pattern	Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)	Throw (ft.) 100 - 75 - 50 fpm						
							Vertical			Horizontal			
							5 °F	10 °F	15 °F	5 °F	10 °F	15 °F	
1- Way Radial Pattern	24 x 24	8	200	0.028	0.049	-	1-2-4	1-3-5	1-3-5	1-3-4	1-4-5	1-4-5	
			300	0.064	0.110	23	1-2-4	1-3-5	2-4-6	2-4-5	2-4-6	2-4-6	
			400	0.114	0.196	32	1-3-5	2-4-5	2-4-6	3-4-6	3-5-7	3-5-7	
		10	300	0.049	0.068	-	1-2-4	1-3-5	2-4-6	2-4-5	2-4-6	2-4-6	
			400	0.088	0.121	26	1-3-5	2-4-5	2-4-6	3-4-6	3-5-7	3-5-7	
			600	0.198	0.273	38	2-4-7	3-5-8	3-6-9	4-6-8	5-7-9	5-7-9	
	24 x 48	10	400	0.034	0.067	20	1-3-4	3-4-5	3-5-6	3-3-4	4-4-5	4-5-5	
			600	0.075	0.151	32	2-4-5	5-5-6	5-6-8	4-4-5	5-5-6	5-6-6	
			800	0.134	0.268	41	4-5-6	6-7-8	7-8-9	4-5-6	5-6-6	6-7-7	
		12	600	0.052	0.088	25	3-4-5	3-4-6	3-5-6	3-4-6	3-5-7	3-5-7	
			800	0.092	0.157	35	4-5-6	4-5-6	4-6-7	5-6-8	5-6-8	5-7-9	
			1000	0.144	0.246	42	4-5-6	4-6-7	4-6-8	5-7-9	6-8-9	7-9-10	
	12 x 48	8	200	0.180	0.039	-	1-3-5	1-4-6	1-4-7	0-2-4	0-2-4	0-2-3	
			300	0.041	0.087	24	1-4-6	3-5-7	3-6-8	3-5-7	2-4-6	2-4-5	
			400	0.073	0.155	33	3-5-7	4-6-8	5-7-9	4-7-9	4-6-8	5-6-7	
	2- Way Radial Pattern	24 x 24	8	200	0.024	0.044	-	1-3-3	1-3-5	2-4-6	1-2-3	1-2-3	1-3-3
				300	0.053	0.099	23	1-3-4	1-4-6	4-5-7	2-3-4	2-3-4	3-4-5
				400	0.095	0.177	32	3-4-6	3-5-7	4-6-8	3-4-6	3-5-6	4-6-7
10			300	0.036	0.055	-	1-2-4	1-4-6	3-5-8	1-2-4	2-3-5	2-4-5	
			400	0.065	0.098	23	3-4-6	4-5-7	5-6-8	3-4-6	4-5-6	4-5-6	
			600	0.015	0.221	38	4-5-6	5-6-8	6-7-8	5-5-6	5-8-9	6-8-10	
24 x 48		10	400	0.036	0.069	23	1-1-2	1-2-2	3-4-5	2-2-3	2-2-3	3-3-4	
			600	0.081	0.156	35	2-2-3	4-5-6	5-6-7	3-4-4	4-5-6	5-6-6	
			800	0.144	0.278	44	4-4-5	6-7-7	8-8-9	5-5-6	6-6-7	6-7-8	
		12	600	0.054	0.091	28	1-2-3	4-5-6	4-5-6	1-2-3	2-3-3	3-4-4	
			800	0.096	0.161	37	2-3-4	4-5-6	5-6-7	2-3-5	4-4-5	5-6-6	
			1000	0.150	0.252	43	3-4-4	5-5-6	6-6-7	4-5-6	5-6-7	6-7-7	

### Performance Notes:

1. Units are tested in accordance with ASHRAE Standard 70-2006.
2. Air flow is in cubic feet per minute, cfm.
3. All pressures are in inches of water., in. w.g.
4. The NC values, sound pressure level, are based on a room absorption of 10 dB re 10<sup>-12</sup> watts and one diffuser.
5. Blanks "-" indicate an NC level below 20.



# PERFORMANCE DATA

## FRFDP/AFRFDP/FRFDPSS

Air Pattern	Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)	Throw (ft.) 100 - 75 - 50 fpm					
							Vertical			Horizontal		
							5 °F	10 °F	15 °F	5 °F	10 °F	15 °F
1- Way Radial Pattern	12 x 48	8	200	0.020	0.400	18	2-3-5	2-3-5	3-5-7	2-2-3	2-2-3	2-2-3
			250	0.031	0.063	21	2-3-5	3-4-6	3-4-6	2-3-4	2-2-3	2-3-5
			300	0.041	0.087	24	2-3-5	3-4-6	3-5-8	2-3-4	3-3-4	2-3-5
			400	0.066	0.148	34	3-5-7	4-6-8	4-5-7	3-4-5	3-4-5	3-4-5
	24 x 24	8	200	0.016	0.036	-	1-1-2	1-2-4	1-3-6	1-2-3	1-2-3	1-2-3
			300	0.036	0.082	22	2-2-3	2-3-5	2-4-7	2-3-4	2-3-4	2-3-5
			400	0.064	0.146	33	2-2-4	2-4-6	2-4-7	2-3-4	2-3-5	2-3-5
		10	300	0.026	0.045	-	1-1-2	1-2-5	1-3-5	1-2-3	1-2-5	1-3-5
			400	0.046	0.080	23	1-2-3	1-3-5	2-4-7	1-2-4	2-3-5	2-3-5
			600	0.103	0.168	36	1-3-6	1-4-7	3-5-7	1-3-5	2-4-5	2-3-5
	24 x 48	10	400	0.038	0.072	-	2-3-4	2-3-5	2-5-8	1-2-3	1-2-3	1-1-2
			600	0.086	0.162	29	2-3-6	3-4-6	5-6-8	1-2-3	2-2-3	2-3-4
			800	0.153	0.289	37	4-4-7	2-5-7	5-6-8	3-3-4	3-3-4	3-3-4
		12	600	0.070	0.106	23	3-4-5	4-5-6	5-6-7	2-2-3	3-3-4	3-3-4
			800	0.125	0.190	34	5-6-7	5-5-6	5-6-7	3-4-5	3-3-4	3-3-4
1000			0.195	0.296	39	5-6-7	5-6-7	7-7-8	3-3-3	4-4-5	4-4-5	
2- Way Radial Pattern	24 x 24	8	200	0.014	0.034	-	1-1-2	1-2-3	1-2-3	1-2-3	1-1-2	0-1-1
			300	0.032	0.078	22	1-3-5	1-3-5	1-3-5	1-2-4	1-2-3	1-1-2
			400	0.057	0.139	30	1-3-6	1-3-6	1-3-6	1-3-4	2-3-4	1-2-3
		10	300	0.023	0.042	-	1-3-5	1-3-6	1-3-6	1-2-3	1-1-2	1-1-2
			400	0.041	0.075	23	2-3-6	2-5-7	2-5-7	2-3-4	2-3-3	2-2-2
			600	0.093	0.169	36	3-5-7	3-5-7	3-5-8	2-3-4	2-3-4	2-3-4
	24 x 48	10	400	0.039	0.074	-	1-2-3	1-3-4	2-3-4	1-2-3	1-2-2	1-2-2
			600	0.089	0.165	33	2-3-5	2-4-6	2-4-7	1-2-3	2-2-3	2-2-2
			800	0.158	0.292	40	3-5-7	3-5-6	4-6-8	2-3-4	2-3-4	2-3-4
		12	600	0.066	0.102	26	1-3-5	1-4-7	2-4-7	1-1-2	1-1-2	1-1-2
			800	0.118	0.183	36	2-3-5	3-5-7	3-5-7	1-1-2	2-2-3	2-2-3
			1000	0.185	0.286	42	2-4-7	3-5-7	3-5-7	1-1-2	2-2-3	2-2-3

**Performance Notes:**

1. Units are tested in accordance with ASHRAE Standard 70-2006.
2. Air flow is in cubic feet per minute, cfm.
3. All pressures are in inches of water, in. w.g.
4. The NC values, sound pressure level, are based on a room absorption of 10 dB re 10<sup>-12</sup> watts and one diffuser.
5. Blanks "-" indicate an NC level below 20.

# PERFORMANCE DATA

## FRFDA/AFRFDA/FRFDSSA

Air Pattern	Unit Size (in.)	Inlet Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)	Throw (ft.) 100 - 75 - 50 fpm					
							Vertical			Horizontal		
							5 °F	10 °F	15 °F	5 °F	10 °F	15 °F
1 - Way Radial Pattern	24 x 24	8	200	0.030	0.051	-	1-2-4	1-3-5	1-3-5	1-3-4	1-4-5	1-4-5
			300	0.068	0.114	22	1-2-4	1-3-5	2-4-6	2-4-5	2-4-6	2-4-6
			400	0.121	0.203	32	1-3-5	2-4-5	2-4-6	3-4-6	3-5-7	3-5-7
		10	300	0.043	0.062	-	1-2-4	1-3-5	2-4-6	2-4-5	2-4-6	2-4-6
			400	0.077	0.110	26	1-3-5	2-4-5	2-4-6	3-4-6	3-5-7	3-5-7
			600	0.173	0.248	39	2-4-7	3-5-8	3-6-9	4-6-8	5-7-9	5-7-9
	24 x 48	10	400	0.045	0.078	23	1-3-4	3-4-5	3-5-6	3-3-4	4-4-5	4-5-5
			600	0.101	0.177	37	2-4-5	5-5-6	5-6-8	4-4-5	5-5-6	5-6-6
			800	0.180	0.314	47	4-5-6	6-7-8	7-8-9	4-5-6	5-6-6	6-7-7
		12	600	0.072	0.109	31	3-4-5	3-4-6	3-5-6	3-4-6	3-5-7	3-5-7
			800	0.129	0.193	40	4-5-6	4-5-6	4-6-7	5-6-8	5-6-8	5-7-9
			1000	0.201	0.302	48	4-5-6	4-6-7	4-6-8	5-7-9	6-8-9	7-9-10
2 - Way Radial Pattern	24 x 24	8	200	0.029	0.049	-	1-3-3	1-3-5	2-4-6	1-2-3	1-2-3	1-3-3
			300	0.065	0.111	24	1-3-4	1-4-6	4-5-7	2-3-4	2-3-4	3-4-5
			400	0.115	0.197	33	3-4-6	3-5-7	4-6-8	3-4-6	3-5-6	4-6-7
		10	300	0.039	0.058	-	1-2-4	1-4-6	3-5-8	1-2-4	2-3-5	2-4-5
			400	0.070	0.103	24	3-4-6	4-5-7	5-6-8	3-4-6	4-5-6	4-5-6
			600	0.157	0.232	39	4-5-6	5-6-8	6-7-8	5-5-6	5-8-9	6-8-10
	24 x 48	10	400	0.031	0.064	21	1-1-2	1-2-2	3-4-5	2-2-3	2-2-3	3-3-4
			600	0.069	0.145	34	2-2-3	4-5-6	5-6-7	3-4-4	4-5-6	5-6-6
			800	0.123	0.257	44	4-4-5	6-7-7	8-8-9	5-5-6	6-6-7	6-7-8
		12	600	0.048	0.085	27	1-2-3	2-4-5	4-5-6	1-2-3	2-3-3	3-4-4
			800	0.086	0.150	37	2-3-4	4-5-6	5-6-7	2-3-5	4-4-5	5-6-6
			1000	0.134	0.235	44	3-4-4	5-5-6	6-6-7	4-5-6	5-6-7	6-7-7
Horizontal Pattern	24 x 24	8	200	0.040	0.061	-	-	-	-	5-8-10	5-8-9	5-7-9
			300	0.090	0.136	29	-	-	-	8-9-11	8-9-11	7-8-10
			400	0.160	0.242	38	-	-	-	10-11-14	9-11-13	9-10-12
		10	300	0.057	0.076	20	-	-	-	7-9-11	6-9-10	6-8-9
			400	0.101	0.135	30	-	-	-	9-11-13	9-10-12	8-9-11
			600	0.228	0.303	44	-	-	-	12-13-16	10-12-15	9-11-13
	24 x 48	10	400	0.075	0.108	27	-	-	-	3-6-7	3-5-6	3-3-4
			600	0.168	0.243	39	-	-	-	4-7-8	4-6-7	4-4-6
			800	0.298	0.432	48	-	-	-	6-8-9	5-7-8	4-5-6
		12	400	0.054	0.071	24	-	-	-	1-2-3	1-2-3	2-2-3
			600	0.123	0.159	37	-	-	-	2-3-4	2-3-4	2-3-5
			800	0.218	0.283	47	-	-	-	3-4-5	3-4-6	3-4-6
Vertical Pattern	24 x 24	8	200	0.038	0.058	-	0-1-2	1-1-3	1-2-4	-	-	-
			300	0.085	0.131	30	1-2-4	2-3-6	2-4-7	-	-	-
			400	0.151	0.233	38	2-3-7	3-5-9	4-7-10	-	-	-
		10	300	0.067	0.085	22	1-2-4	1-2-5	1-3-6	-	-	-
			400	0.118	0.152	30	2-3-6	2-4-8	3-5-9	-	-	-
			600	0.266	0.342	42	4-6-10	5-8-12	6-9-13	-	-	-
	24 x 48	10	400	0.025	0.043	-	2-2-3	2-2-3	2-2-3	-	-	-
			600	0.044	0.077	26	2-3-4	2-3-4	2-3-4	-	-	-
			800	0.098	0.174	40	3-4-6	3-4-6	3-4-7	-	-	-
		12	400	0.035	0.051	22	1-2-3	2-2-3	2-3-4	-	-	-
			600	0.078	0.144	36	2-3-4	2-3-4	2-3-5	-	-	-
			800	0.139	0.203	46	3-4-5	3-4-6	3-4-6	-	-	-

### Performance Notes:

- Units are tested in accordance with ASHRAE Standard 70-2006.
- Air flow is in cubic feet per minute, cfm.
- All pressures are in inches of water, in. w.g.
- The NC values, sound pressure level, are based on a room absorption of 10 dB re 10<sup>-12</sup> watts and one diffuser.
- Blanks "-" indicate an NC level below 20.

