

# PERFORMANCE DATA

## PDN/PDNE - 12 in. x 12 in.

Inlet Size	Neck Velocity (fpm) Velocity Pressure (in. w.g.)	300 .006	400 .010	500 .016	600 .022	700 .031	800 .040	1000 .062	1200 .090
6 Ø	Total Pressure (in. w.g.)	.013	.022	.035	.050	.069	.090	.140	.202
	Flow Rate (cfm)	59	78	98	118	137	157	196	235
	Sound (NC)	-	16	22	27	31	34	40	45
	Throw (ft.)	1-1-4	1-2-5	2-3-7	2-4-8	3-5-9	4-5-11	4-7-13	5-8-16
		1-2-5	1-3-6	2-4-8	3-5-10	4-6-11	4-6-13	5-8-16	6-10-19
6 x 6	Total Pressure (in. w.g.)	.016	.029	.045	.065	.089	.116	.181	.260
	Flow Rate (cfm)	75	100	125	150	175	200	250	300
	Sound (NC)	-	-	19	24	28	32	38	42
	Throw (ft.)	1-1-5	1-3-6	2-4-8	3-5-9	4-5-11	4-6-12	5-8-15	6-9-18
		1-2-5	1-3-7	2-5-9	3-5-11	4-6-13	5-7-14	6-9-18	7-11-22

## PDN/PDNE - 12 in. x 24 in.

Inlet Size	Neck Velocity (fpm) Velocity Pressure (in. w.g.)	300 .006	400 .010	500 .016	600 .022	700 .031	800 .040	900 .050	1000 .062	1200 .090	1400 .122
6 Ø	Total Pressure (in. w.g.)	.012	.022	.034	.049	.067	.088	.111	.137	.198	.269
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	274
	Sound (NC)	-	16	22	27	31	34	37	40	45	49
	Throw (ft.)	2-3-6	3-4-7	4-5-7	4-6-8	5-6-9	5-7-9	6-7-10	6-7-10	7-8-11	7-9-12
		2-4-7	3-5-8	4-6-9	5-7-10	6-7-10	6-8-11	7-8-12	7-9-12	8-10-14	9-10-15
6 x 6	Total Pressure (in. w.g.)	.017	.029	.046	.066	.090	.118	.149	.184	.265	.360
	Flow Rate (cfm)	75	100	125	150	175	200	225	250	300	350
	Sound (NC)	-	-	19	24	28	32	35	38	42	46
	Throw (ft.)	2-4-6	3-5-7	4-6-8	5-6-9	6-7-10	6-7-11	6-8-11	7-8-12	7-9-13	8-10-14
		2-4-8	4-6-9	5-7-10	6-8-12	7-8-12	7-9-13	8-9-13	8-10-14	9-11-15	10-12-17
6 x 18	Total Pressure (in. w.g.)	.019	.034	.053	.076	.104	.136	.172	.212	.305	.415
	Flow Rate (cfm)	225	300	375	450	525	600	675	750	900	1050
	Sound (NC)	-	20	26	31	35	38	41	44	49	53
	Throw (ft.)	3-6-11	6-8-13	7-10-14	8-11-16	10-12-17	11-13-18	11-14-19	12-14-20	13-16-22	14-17-24
		4-8-13	7-10-15	8-12-17	10-13-19	12-14-20	13-15-22	13-16-23	14-17-24	15-19-27	17-20-29

**Performance Notes:**

1. Tested in accordance with ASHRAE Standard 70 – 2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Airflow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle), and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC, sound pressure levels, are based on room absorption of 10 dB re 10<sup>-12</sup> Watts and one diffuser.
7. Blanks (-) indicate an NC level below 15.
8. Data does not include effects of ceiling radiation damper (PDN-FR, PDNE-FR).

# PERFORMANCE DATA

## PDN/PDNE - 16 in. x 16 in.

Inlet Size	Neck Velocity (fpm)	300	400	500	600	700	800	900	1000	1200	1400	
	Velocity Pressure (in. w.g.)	.006	.010	.016	.022	.031	.040	.050	.062	.090	.122	
6 Ø	Total Pressure (in. w.g.)	.012	.021	.033	.047	.064	.084	.106	.131	.189	.257	
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	274	
	Sound (NC)	-	16	22	27	31	34	37	40	45	49	
	Throw (ft.)	2-3-6	3-4-7	4-5-7	4-6-8	5-6-9	5-7-9	6-7-10	6-7-10	7-8-11	7-8-11	7-9-12
		2-4-7	3-5-8	4-6-9	5-7-10	6-7-10	6-8-11	7-8-12	7-9-12	8-10-14	8-10-14	9-10-15
6 x 6	Total Pressure (in. w.g.)	.017	.029	.046	.066	.090	.118	.149	.184	.265	.360	
	Flow Rate (cfm)	75	100	125	150	175	200	225	250	300	350	
	Sound (NC)	.017	.029	.046	.066	.090	.118	.149	.184	.265	.360	
	Throw (ft.)	2-4-6	3-5-7	4-6-8	5-6-9	6-7-10	6-7-11	6-8-11	7-8-12	7-9-13	8-10-14	
		2-4-8	4-6-9	5-7-10	6-8-11	7-8-12	7-9-13	8-9-13	8-10-14	9-11-15	10-12-17	
8 Ø	Total Pressure (in. w.g.)	.015	.027	.042	.061	.082	.108	.136	.168	.242	.330	
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489	
	Sound (NC)	-	19	25	30	34	38	41	44	48	53	
	Throw (ft.)	2-4-8	4-6-9	5-7-10	6-8-11	7-8-12	7-9-12	8-9-13	8-10-14	9-11-15	9-12-16	
		3-5-9	5-7-11	6-8-12	7-9-13	8-10-14	9-11-15	9-11-16	10-12-17	11-13-18	11-14-20	
8 x 8	Total Pressure (in. w.g.)	.018	.031	.049	.071	.096	.126	.159	.196	.283	.385	
	Flow Rate (cfm)	133	178	222	266	311	355	400	444	533	622	
	Sound (NC)	-	17	23	28	32	35	38	41	46	50	
	Throw (ft.)	3-5-9	4-6-10	5-8-11	6-9-12	8-9-13	8-10-14	9-10-15	9-11-16	10-12-17	11-13-19	
		3-6-10	5-8-12	6-9-13	8-10-15	9-11-16	10-12-17	10-13-18	11-13-19	12-15-21	13-16-22	
10 Ø	Total Pressure (in. w.g.)	.018	.032	.050	.072	.098	.128	.162	.200	.287	.391	
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763	
	Sound (NC)	-	22	28	33	37	40	44	46	51	55	
	Throw (ft.)	3-5-9	5-7-11	6-9-12	7-9-13	8-10-15	9-11-16	9-12-16	10-12-17	11-13-19	12-15-21	
		3-6-11	6-9-13	7-10-15	9-11-16	10-12-17	11-13-19	11-14-20	12-15-21	13-16-23	14-17-25	
10 x 10	Total Pressure (in. w.g.)	.019	.033	.051	.074	.101	.132	.167	.206	.296	.403	
	Flow Rate (cfm)	208	278	347	416	486	555	625	694	833	972	
	Sound (NC)	-	20	25	30	34	38	41	44	49	53	
	Throw (ft.)	3-6-11	5-8-12	7-10-14	8-11-15	9-12-16	10-12-17	11-13-19	11-14-20	12-15-21	13-16-23	
		4-7-13	7-10-15	8-12-17	10-13-18	11-14-20	12-15-21	13-16-22	14-17-23	15-18-26	16-20-28	

**Performance Notes:**

1. Tested in accordance with ASHRAE Standard 70 – 2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Airflow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle), and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC, sound pressure levels, are based on room absorption of 10 dB re 10<sup>-12</sup> Watts and one diffuser.
7. Blanks (-) indicate an NC level below 15.
8. Data does not include effects of ceiling radiation damper (PDN-FR, PDNE-FR).

# PERFORMANCE DATA

## PDN/PDNE - 20 in. x 20 in.

Inlet Size	Neck Velocity (fpm) Velocity Pressure (in. w.g.)	300	400	500	600	700	800	900	1000	1200	1400
6 Ø	Total Pressure (in. w.g.)	.012	.021	.033	.047	.064	.084	.106	.131	.189	.257
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	274
	Sound (NC)	-	16	22	27	31	34	37	40	45	49
	Throw (ft.)										
	4 Way	2-3-6	3-4-7	4-5-7	4-6-8	5-6-9	5-7-9	6-7-10	6-7-10	7-8-11	7-9-12
6 x 6	Total Pressure (in. w.g.)	.017	.029	.046	.066	.090	.118	.149	.184	.265	.360
	Flow Rate (cfm)	75	100	125	150	175	200	225	250	300	350
	Sound (NC)	-	-	19	24	28	32	35	38	42	46
	Throw (ft.)										
	4 Way	2-4-6	3-5-7	4-6-8	5-6-9	6-7-10	6-7-10	6-8-11	7-8-12	7-9-13	8-10-14
8 Ø	Total Pressure (in. w.g.)	.015	.027	.042	.061	.082	.108	.136	.168	.242	.330
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489
	Sound (NC)	-	19	25	30	34	38	41	44	48	53
	Throw (ft.)										
	4 Way	2-4-8	4-6-9	5-7-10	6-8-11	7-8-12	7-9-12	8-9-13	8-10-14	9-11-15	9-12-16
8 x 8	Total Pressure (in. w.g.)	.018	.031	.049	.071	.096	.126	.159	.196	.283	.385
	Flow Rate (cfm)	133	178	222	266	311	355	400	444	533	622
	Sound (NC)	-	17	23	28	32	35	38	41	46	50
	Throw (ft.)										
	4 Way	3-5-9	4-6-10	5-8-11	6-9-12	8-9-13	8-10-14	9-10-15	9-11-16	10-12-17	11-13-19
10 Ø	Total Pressure (in. w.g.)	.018	.032	.050	.072	.098	.128	.162	.200	.287	.391
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763
	Sound (NC)	-	22	28	33	37	40	44	46	51	55
	Throw (ft.)										
	4 Way	3-5-9	5-7-11	6-9-12	7-9-13	8-10-15	9-11-16	9-12-16	10-12-17	11-13-19	12-15-21
10 x 10	Total Pressure (in. w.g.)	.019	.033	.051	.074	.101	.132	.167	.206	.296	.403
	Flow Rate (cfm)	208	278	347	416	486	555	625	694	833	972
	Sound (NC)	-	20	25	30	34	38	41	44	49	53
	Throw (ft.)										
	4 Way	3-6-11	5-8-12	7-10-14	8-11-15	9-12-16	10-12-17	11-13-19	11-14-20	12-15-21	13-16-23

**Performance Notes:**

1. Tested in accordance with ASHRAE Standard 70 – 2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Airflow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle), and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC, sound pressure levels, are based on room absorption of 10 dB re 10<sup>-12</sup> Watts and one diffuser.
7. Blanks (-) indicate an NC level below 15.
8. Data does not include effects of ceiling radiation damper (PDN-FR, PDNE-FR).

# PERFORMANCE DATA

## PDN/PDNE - 24 in. x 24 in.

Inlet Size	Neck Velocity (fpm) Velocity Pressure (in. w.g.)	300	400	500	600	700	800	900	1000	1200	1400	
6 Ø	Total Pressure (in. w.g.)	.012	.021	.033	.047	.064	.084	.106	.131	.189	.257	
	Flow Rate (cfm)	59	78	98	118	137	157	176	196	235	274	
	Sound (NC)	-	16	22	27	31	34	37	40	45	49	
	Throw (ft.)	4 Way	2-3-6	3-4-7	4-5-7	4-6-8	5-6-9	5-7-9	6-7-10	6-7-10	7-8-11	7-9-12
		3 Way	2-4-7	3-5-8	4-6-9	5-7-10	6-7-10	6-8-11	7-8-12	7-9-12	8-10-14	9-10-15
2 Way		3-5-9	5-7-11	6-8-12	7-9-13	8-10-14	9-11-15	9-11-16	10-12-17	11-13-18	11-14-20	
1 Way		3-6-11	6-9-13	7-10-15	9-11-16	10-12-17	11-13-19	11-14-20	12-15-21	13-16-23	14-17-25	
6 x 6	Total Pressure (in. w.g.)	.017	.029	.046	.066	.090	.118	.149	.184	.265	.360	
	Flow Rate (cfm)	75	100	125	150	175	200	225	250	300	350	
	Sound (NC)	-	-	19	24	28	32	35	38	42	46	
	Throw (ft.)	4 Way	2-4-6	3-5-7	4-6-8	5-6-9	6-7-10	6-7-11	6-8-11	7-8-12	7-9-13	8-10-14
		3 Way	2-4-8	4-6-9	5-7-10	6-8-11	7-8-12	7-9-13	8-9-13	8-10-14	9-11-15	10-12-17
2 Way		3-6-10	5-8-12	6-9-13	8-10-15	9-11-16	10-12-17	10-13-18	11-13-19	12-15-21	13-16-22	
1 Way		4-7-13	6-10-15	8-12-17	10-13-18	11-14-20	12-15-21	13-16-22	14-17-23	15-18-26	16-20-28	
8 Ø	Total Pressure (in. w.g.)	.015	.027	.042	.061	.082	.108	.136	.168	.242	.330	
	Flow Rate (cfm)	105	140	175	209	244	279	314	349	419	489	
	Sound (NC)	-	19	25	30	34	38	41	44	48	53	
	Throw (ft.)	4 Way	2-4-8	4-6-9	5-7-10	6-8-11	7-8-12	7-9-12	8-9-13	8-10-14	9-11-15	9-12-16
		3 Way	3-5-9	5-7-11	6-8-12	7-9-13	8-10-14	9-11-15	9-11-16	10-12-17	11-13-18	11-14-20
2 Way		4-7-12	6-9-14	8-11-16	9-12-17	11-13-19	11-14-20	12-15-21	13-16-22	14-17-24	15-19-26	
1 Way		5-9-15	8-12-18	10-14-20	12-15-21	13-16-23	14-18-25	15-19-26	16-20-28	18-21-30	19-23-33	
8 x 8	Total Pressure (in. w.g.)	.018	.031	.049	.071	.096	.126	.159	.196	.283	.385	
	Flow Rate (cfm)	133	178	222	266	311	355	400	444	533	622	
	Sound (NC)	-	17	23	28	32	35	38	41	46	50	
	Throw (ft.)	4 Way	3-5-9	4-6-10	5-8-11	6-9-12	8-9-13	8-10-14	9-10-15	9-11-16	10-12-17	11-13-19
		3 Way	3-6-10	5-8-12	6-9-13	8-10-15	9-11-16	10-12-17	10-13-18	11-13-19	12-15-21	13-16-22
2 Way		4-8-14	7-10-16	9-13-18	10-14-19	12-15-21	13-16-22	14-17-24	14-18-25	16-19-27	17-21-30	
1 Way		5-10-17	9-13-20	11-16-22	13-17-24	15-19-26	16-20-28	17-21-30	18-22-31	20-24-34	21-26-37	
10 Ø	Total Pressure (in. w.g.)	.018	.032	.050	.072	.098	.128	.162	.200	.287	.391	
	Flow Rate (cfm)	164	218	273	327	382	436	491	545	654	763	
	Sound (NC)	-	22	28	33	37	40	44	46	51	55	
	Throw (ft.)	4 Way	3-5-9	5-7-11	6-9-12	7-9-13	8-10-15	9-11-16	9-12-16	10-12-17	11-13-19	12-15-21
		3 Way	3-6-11	6-9-13	7-10-15	9-11-16	10-12-17	11-13-19	11-14-20	12-15-21	13-16-23	14-17-25
2 Way		4-9-15	8-11-18	9-14-20	11-15-21	13-16-23	14-18-25	15-19-26	16-20-28	18-21-30	19-23-33	
1 Way		6-11-19	9-14-22	12-17-25	14-19-27	17-21-29	18-22-31	19-23-33	20-25-35	22-27-38	24-29-41	
10 x 10	Total Pressure (in. w.g.)	.019	.033	.051	.074	.101	.132	.167	.206	.296	.403	
	Flow Rate (cfm)	208	278	347	416	486	555	625	694	833	972	
	Sound (NC)	-	20	25	30	34	38	41	44	49	53	
	Throw (ft.)	4 Way	3-6-11	5-8-12	7-10-14	8-11-15	9-12-16	10-12-17	11-13-19	11-14-20	12-15-21	13-16-23
		3 Way	4-7-13	7-10-15	8-12-17	10-13-18	11-14-20	12-15-21	13-16-22	14-17-23	15-18-26	16-20-28
2 Way		5-10-17	9-13-20	11-16-22	13-17-24	15-19-26	16-20-28	17-21-30	18-22-31	20-24-34	21-26-37	
1 Way		7-12-21	11-16-25	14-20-28	16-21-30	19-23-33	20-25-35	21-26-37	23-28-39	25-30-43	27-33-46	

### Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 – 2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Airflow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle), and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC, sound pressure levels, are based on room absorption of 10 dB re 10<sup>-12</sup> Watts and one diffuser.
7. Blanks (-) indicate an NC level below 15.
8. Data does not include effects of ceiling radiation damper (PDN-FR, PDNE-FR).

# PERFORMANCE DATA

## PDN/PDNE - 24 in. x 24 in. (continued)

Inlet Size	Neck Velocity (fpm) Velocity Pressure (in. w.g.)	300	400	500	600	700	800	900	1000	1200	1400	
12 Ø	Total Pressure (in. w.g.)	.020	.035	.055	.079	.107	.140	.177	.218	.314	.428	
	Flow Rate (cfm)	236	314	393	471	550	628	707	785	942	1099	
	Sound (NC)	17	24	30	35	39	43	46	49	53	57	
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	4-6-11 4-8-14 6-10-18 7-13-23	6-9-13 7-10-16 9-14-21 12-17-26	7-10-15 9-12-18 12-17-24 14-21-29	9-11-16 10-14-19 14-18-26 17-23-32	10-12-17 12-15-21 16-20-28 20-25-35	11-13-19 13-16-22 17-21-30 21-26-37	11-14-20 14-17-24 18-22-32 24-29-42	12-15-21 14-18-25 19-24-33 26-32-46	13-16-23 16-19-27 21-26-36 28-35-49	14-17-25 17-21-30 23-28-39 28-35-49
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	4-7-13 5-9-15 6-12-21 8-15-26	7-10-15 8-12-18 10-16-24 13-20-30	8-12-17 10-14-20 13-19-27 16-23-33	10-13-18 12-15-22 16-21-29 20-26-36	11-14-20 14-17-24 18-22-31 23-28-39	14-15-21 15-18-25 19-24-34 24-30-42	13-16-22 15-19-27 21-25-36 26-32-45	14-17-23 16-20-28 22-27-38 27-33-47	15-18-26 18-22-31 24-29-41 30-36-51	16-20-28 19-24-33 26-31-44 32-39-56
12 x 12	Total Pressure (in. w.g.)	.020	.035	.055	.079	.107	.140	.177	.218	.314	.428	
	Flow Rate (cfm)	300	400	500	600	700	800	900	1000	1200	1400	
	Sound (NC)	-	22	28	32	37	40	43	46	51	55	
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	4-7-13 5-9-15 6-12-21 8-15-26	7-10-15 8-12-18 10-16-24 13-20-30	8-12-17 10-14-20 13-19-27 16-23-33	10-13-18 12-15-22 16-21-29 20-26-36	11-14-20 14-17-24 18-22-31 23-28-39	14-15-21 15-18-25 19-24-34 24-30-42	13-16-22 15-19-27 21-25-36 26-32-45	14-17-23 16-20-28 22-27-38 27-33-47	15-18-26 18-22-31 24-29-41 30-36-51	16-20-28 19-24-33 26-31-44 32-39-56
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	4-8-13 5-9-16 7-12-21 8-15-27	7-10-15 8-12-18 11-16-25 13-20-31	8-12-17 10-15-21 13-19-27 17-24-34	10-13-19 12-16-23 16-21-30 20-27-38	12-14-20 14-17-24 19-23-32 23-29-41	13-15-22 15-18-26 20-25-35 25-31-43	13-16-23 16-20-28 21-26-37 27-33-46	14-17-24 17-21-29 22-27-39 28-34-49	15-19-27 18-23-32 25-30-43 31-38-53	17-20-29 20-24-34 27-32-46 33-41-57
14 Ø	Total Pressure (in. w.g.)	.022	.039	.061	.088	.119	.156	.197	.243	.350	.477	
	Flow Rate (cfm)	321	428	535	641	748	855	962	1069	1283	1497	
	Sound (NC)	19	26	32	37	41	44	48	50	55	59	
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	4-8-13 5-9-16 7-12-21 8-15-27	7-10-15 8-12-18 11-16-25 13-20-31	8-12-17 10-15-21 13-19-27 17-24-34	10-13-19 12-16-23 16-21-30 20-27-38	12-14-20 14-17-24 19-23-32 23-29-41	13-15-22 15-18-26 20-25-35 25-31-43	13-16-23 16-20-28 21-26-37 27-33-46	14-17-24 17-21-29 22-27-39 28-34-49	15-19-27 18-23-32 25-30-43 31-38-53	17-20-29 20-24-34 27-32-46 33-41-57
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	5-9-15 6-10-18 8-14-24 10-17-30	8-12-17 9-14-21 12-18-28 15-23-35	10-14-19 12-16-23 15-22-31 19-27-39	12-15-21 14-18-25 18-24-34 23-30-42	13-16-23 16-19-28 21-26-37 26-32-46	14-17-24 17-21-29 23-28-39 28-35-49	15-18-26 18-22-31 24-29-42 30-37-52	16-19-27 19-23-33 25-31-44 32-39-55	17-21-30 21-25-36 28-34-48 35-42-60	19-23-32 22-28-39 30-37-52 37-46-65
14 x 14	Total Pressure (in. w.g.)	.020	.036	.056	.081	.110	.144	.182	.224	.323	.440	
	Flow Rate (cfm)	408	544	681	817	953	1089	1225	1361	1633	1905	
	Sound (NC)	16	24	30	34	38	42	45	48	53	57	
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	5-9-15 6-10-18 8-14-24 10-17-30	8-12-17 9-14-21 12-18-28 15-23-35	10-14-19 12-16-23 15-22-31 19-27-39	12-15-21 14-18-25 18-24-34 23-30-42	13-16-23 16-19-28 21-26-37 26-32-46	14-17-24 17-21-29 23-28-39 28-35-49	15-18-26 18-22-31 24-29-42 30-37-52	16-19-27 19-23-33 25-31-44 32-39-55	17-21-30 21-25-36 28-34-48 35-42-60	19-23-32 22-28-39 30-37-52 37-46-65
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	4-8-14 5-10-17 7-13-23 9-16-28	7-11-16 9-13-20 11-17-26 14-21-33	9-13-18 11-16-22 14-21-29 18-26-37	11-14-20 13-17-24 17-23-32 21-28-40	13-15-22 15-18-26 20-25-35 25-31-44	13-16-23 16-20-28 21-26-37 27-33-47	14-17-25 17-21-30 23-28-39 28-35-49	15-18-26 18-22-31 24-29-42 30-37-52	16-20-28 20-24-34 26-32-46 33-40-57	18-22-31 21-26-37 28-35-49 36-44-62
15 Ø	Total Pressure (in. w.g.)	.023	.041	.064	.092	.125	.164	.207	.256	.368	.501	
	Flow Rate (cfm)	368	491	614	736	859	982	1104	1227	1472	1718	
	Sound (NC)	19	27	33	38	42	45	48	51	56	60	
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	4-8-14 5-10-17 7-13-23 9-16-28	7-11-16 9-13-20 11-17-26 14-21-33	9-13-18 11-16-22 14-21-29 18-26-37	11-14-20 13-17-24 17-23-32 21-28-40	13-15-22 15-18-26 20-25-35 25-31-44	13-16-23 16-20-28 21-26-37 27-33-47	14-17-25 17-21-30 23-28-39 28-35-49	15-18-26 18-22-31 24-29-42 30-37-52	16-20-28 20-24-34 26-32-46 33-40-57	18-22-31 21-26-37 28-35-49 36-44-62
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	5-9-16 6-11-19 8-15-26 10-19-32	8-12-19 10-15-22 13-20-30 17-25-37	10-15-21 12-18-25 17-23-33 21-29-42	12-16-23 15-19-27 20-26-36 25-32-45	14-17-25 17-21-29 23-28-39 28-35-49	15-19-26 18-22-32 24-30-42 30-37-53	16-20-28 19-24-33 26-32-45 32-39-56	17-21-29 20-25-35 27-33-47 34-42-59	19-23-32 22-27-39 30-36-51 37-45-64	20-25-35 24-29-42 32-39-56 40-49-69
15 x 15	Total Pressure (in. w.g.)	.021	.037	.058	.083	.113	.148	.187	.231	.332	.452	
	Flow Rate (cfm)	469	625	782	938	1094	1250	1407	1563	1876	2188	
	Sound (NC)	17	24	30	35	39	43	46	49	54	58	
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	5-9-16 6-11-19 8-15-26 10-19-32	8-12-19 10-15-22 13-20-30 17-25-37	10-15-21 12-18-25 17-23-33 21-29-42	12-16-23 15-19-27 20-26-36 25-32-45	14-17-25 17-21-29 23-28-39 28-35-49	15-19-26 18-22-32 24-30-42 30-37-53	16-20-28 19-24-33 26-32-45 32-39-56	17-21-29 20-25-35 27-33-47 34-42-59	19-23-32 22-27-39 30-36-51 37-45-64	20-25-35 24-29-42 32-39-56 40-49-69
	Throw (ft.)	4 Way 3 Way 2 Way 1 Way	5-9-16 6-11-19 8-15-26 10-19-32	8-12-19 10-15-22 13-20-30 17-25-37	10-15-21 12-18-25 17-23-33 21-29-42	12-16-23 15-19-27 20-26-36 25-32-45	14-17-25 17-21-29 23-28-39 28-35-49	15-19-26 18-22-32 24-30-42 30-37-53	16-20-28 19-24-33 26-32-45 32-39-56	17-21-29 20-25-35 27-33-47 34-42-59	19-23-32 22-27-39 30-36-51 37-45-64	20-25-35 24-29-42 32-39-56 40-49-69

**Performance Notes:**

1. Tested in accordance with ASHRAE Standard 70 – 2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Airflow is in cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle), and 50 fpm (maximum).
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC, sound pressure levels, are based on room absorption of 10 dB re 10<sup>-12</sup> Watts and one diffuser.
7. Blanks (-) indicate an NC level below 15.
8. Data does not include effects of ceiling radiation damper (PDN-FR, PDNE-FR).