

PERFORMANCE DATA

PDDR – 12 in. x 12 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm)		200	300	400	500	600	700	800	900	1000
		Neg. Static Pressure (in. w.g.)		.007	.015	.027	.042	.061	.083	.108	.137	.169
		Velocity Pressure (in. w.g.)		.002	.006	.010	.016	.022	.031	.040	.050	.062
6 Ø	12 x 12	Flow Rate (cfm)		39	59	78	98	118	137	157	176	196
		Sound (NC)		-	-	-	-	-	-	-	-	-
6 x 6	12 x 12	Flow Rate (cfm)		50	75	100	125	150	175	200	225	250
		Sound (NC)		-	-	-	-	-	-	-	-	-

PDDR – 16 in. x 16 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm)		200	300	400	500	600	700	800	900	1000
		Neg. Static Pressure (in. w.g.)		.007	.015	.027	.042	.061	.083	.108	.137	.169
		Velocity Pressure (in. w.g.)		.002	.006	.010	.016	.022	.031	.040	.050	.062
6 Ø	16 x 16	Flow Rate (cfm)		39	59	78	98	118	137	157	176	196
		Sound (NC)		-	-	-	-	-	-	-	-	-
6 x 6	16 x 16	Flow Rate (cfm)		50	75	100	125	150	175	200	225	250
		Sound (NC)		-	-	-	-	-	-	-	-	-
8 Ø	16 x 16	Flow Rate (cfm)		70	105	140	175	209	244	279	314	349
		Sound (NC)		-	-	-	-	-	-	-	-	-
8 x 8	16 x 16	Flow Rate (cfm)		89	133	178	222	266	311	355	400	444
		Sound (NC)		-	-	-	-	-	-	-	-	-
10 Ø	16 x 16	Flow Rate (cfm)		109	164	218	273	327	382	436	491	545
		Sound (NC)		-	-	-	-	-	-	-	-	15
10 x 10	16 x 16	Flow Rate (cfm)		139	208	278	347	416	486	555	625	694
		Sound (NC)		-	-	-	-	-	-	-	-	16

PDDR – 20 in. x 20 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm)		200	300	400	500	600	700	800	900	1000
		Neg. Static Pressure (in. w.g.)		.007	.015	.027	.042	.061	.083	.108	.137	.169
		Velocity Pressure (in. w.g.)		.002	.006	.010	.016	.022	.031	.040	.050	.062
6 Ø	20 x 20	Flow Rate (cfm)		39	59	78	98	118	137	157	176	196
		Sound (NC)		-	-	-	-	-	-	-	-	-
6 x 6	20 x 20	Flow Rate (cfm)		50	75	100	125	150	175	200	225	250
		Sound (NC)		-	-	-	-	-	-	-	-	-
8 Ø	20 x 20	Flow Rate (cfm)		70	105	140	175	209	244	279	314	349
		Sound (NC)		-	-	-	-	-	-	-	-	-
8 x 8	20 x 20	Flow Rate (cfm)		89	133	178	222	266	311	355	400	444
		Sound (NC)		-	-	-	-	-	-	-	-	-
10 Ø	20 x 20	Flow Rate (cfm)		109	164	218	273	327	382	436	491	545
		Sound (NC)		-	-	-	-	-	-	-	-	16
10 x 10	20 x 20	Flow Rate (cfm)		139	208	278	347	416	486	555	625	694
		Sound (NC)		-	-	-	-	-	-	-	-	16
12 Ø	20 x 20	Flow Rate (cfm)		157	236	314	393	471	550	628	707	785
		Sound (NC)		-	-	-	-	-	-	-	-	16
12 x 12	20 x 20	Flow Rate (cfm)		200	300	400	500	600	700	800	900	1000
		Sound (NC)		-	-	-	-	-	-	-	-	17
14 Ø	20 x 20	Flow Rate (cfm)		207	311	414	518	622	725	829	932	1036
		Sound (NC)		-	-	-	-	-	-	-	-	18

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. NC values are based on room absorption of 10 dB re 10⁻¹² Watts and one diffuser.
5. Blanks "-" indicate an NC level below 15.

PERFORMANCE DATA

PDDR – 24 in. x 12 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000
		Neg. Static Pressure (in. w.g.)	.007	.015	.027	.042	.061	.083	.108	.137	.169
		Velocity Pressure (in. w.g.)	.002	.006	.010	.016	.022	.031	.040	.050	.062
6 Ø	12 x 12	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196
		Sound (NC)	-	-	-	-	-	-	-	-	-
6 x 6	12 x 12	Flow Rate (cfm)	50	75	100	125	150	175	200	225	250
		Sound (NC)	-	-	-	-	-	-	-	-	-
18 x 6	24 x 12	Flow Rate (cfm)	150	225	300	375	450	525	600	675	750
		Sound (NC)	-	-	-	-	-	-	-	-	16

PDDR – 24 in. x 24 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000
		Neg. Static Pressure (in. w.g.)	.007	.015	.027	.042	.061	.083	.108	.137	.169
		Velocity Pressure (in. w.g.)	.002	.006	.010	.016	.022	.031	.040	.050	.062
6 Ø	24 x 24	Flow Rate (cfm)	39	59	78	98	118	137	157	176	196
		Sound (NC)	-	-	-	-	-	-	-	-	-
6 x 6	24 x 24	Flow Rate (cfm)	50	75	100	125	150	175	200	225	250
		Sound (NC)	-	-	-	-	-	-	-	-	-
8 Ø	24 x 24	Flow Rate (cfm)	70	105	140	175	209	244	279	314	349
		Sound (NC)	-	-	-	-	-	-	-	-	-
8 x 8	24 x 24	Flow Rate (cfm)	89	133	178	222	266	311	355	400	444
		Sound (NC)	-	-	-	-	-	-	-	-	-
10 Ø	24 x 24	Flow Rate (cfm)	109	164	218	273	327	382	436	491	545
		Sound (NC)	-	-	-	-	-	-	-	-	-
10 x 10	24 x 24	Flow Rate (cfm)	139	208	278	347	416	486	555	625	694
		Sound (NC)	-	-	-	-	-	-	-	-	16
12 Ø	24 x 24	Flow Rate (cfm)	157	236	314	393	471	550	628	707	785
		Sound (NC)	-	-	-	-	-	-	-	-	16
12 x 12	24 x 24	Flow Rate (cfm)	200	300	400	500	600	700	800	900	1000
		Sound (NC)	-	-	-	-	-	-	-	-	17
14 Ø	24 x 24	Flow Rate (cfm)	207	311	414	519	622	725	829	932	1036
		Sound (NC)	-	-	-	-	-	-	-	-	18
14 x 14	24 x 24	Flow Rate (cfm)	272	408	544	681	817	953	1089	1225	1361
		Sound (NC)	-	-	-	-	-	-	-	-	18
15 Ø	24 x 24	Flow Rate (cfm)	245	368	491	614	736	859	982	1104	1227
		Sound (NC)	-	-	-	-	-	-	16	19	22
15 x 15	24 x 24	Flow Rate (cfm)	313	469	625	782	938	1094	1250	1407	1563
		Sound (NC)	-	-	-	-	-	-	-	18	21
18 x 18	24 x 24	Flow Rate (cfm)	450	675	900	1125	1350	1575	1800	2025	2250
		Sound (NC)	-	-	-	-	-	17	22	26	29

PDDR – Plenum Return

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000
		Neg. Static Pressure (in. w.g.)	.007	.015	.027	.042	.061	.083	.108	.137	.169
		Velocity Pressure (in. w.g.)	.002	.006	.010	.016	.022	.031	.040	.050	.062
10 x 10	12 x 12	Flow Rate (cfm)	139	208	278	347	416	486	555	625	694
		Sound (NC)	-	-	-	-	18	22	26	29	31
14 x 14	16 x 16	Flow Rate (cfm)	272	408	544	681	817	953	1089	1225	1361
		Sound (NC)	-	-	-	15	20	24	27	30	33
18 x 18	20 x 20	Flow Rate (cfm)	450	675	900	1125	1350	1575	1800	2025	2250
		Sound (NC)	-	-	-	16	21	25	28	31	34
22 x 10	24 x 12	Flow Rate (cfm)	306	458	611	764	917	1069	1222	1375	1528
		Sound (NC)	-	-	-	15	20	24	27	30	33
22 x 22	24 x 24	Flow Rate (cfm)	672	1008	1344	1681	2017	2353	2689	3025	3361
		Sound (NC)	-	-	-	17	22	26	29	32	35
46 x 22	48 x 24	Flow Rate (cfm)	1406	2018	2811	3514	4217	4919	5622	6325	7028
		Sound (NC)	-	-	-	19	24	28	31	34	37

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. NC values are based on room absorption of 10 dB re 10⁻¹² Watts and one diffuser.
5. Blanks "-" indicate an NC level below 15.