

## PERFORMANCE DATA

### PDDR – 12 in. x 12 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm) Neg. Static Pressure (in. w.g.) Velocity Pressure (in. w.g.)	200 .007 .002	300 .015 .006	400 .027 .010	500 .042 .016	600 .061 .022	700 .083 .031	800 .108 .040	900 .137 .050	1000 .169 .062
6 Ø	12 x 12	Flow Rate (cfm) Sound (NC)	39 -	59 -	78 -	98 -	118 -	137 -	157 -	176 -	196 15
6 x 6	12 x 12	Flow Rate (cfm) Sound (NC)	50 -	75 -	100 -	125 -	150 -	175 -	200 -	225 -	250 16

### PDDR – 16 in. x 16 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm) Neg. Static Pressure (in. w.g.) Velocity Pressure (in. w.g.)	200 .007 .002	300 .015 .006	400 .027 .010	500 .042 .016	600 .061 .022	700 .083 .031	800 .108 .040	900 .137 .050	1000 .169 .062
6 Ø	16 x 16	Flow Rate (cfm) Sound (NC)	39 -	59 -	78 -	98 -	118 -	137 -	157 -	176 -	196 15
6 x 6	16 x 16	Flow Rate (cfm) Sound (NC)	50 -	75 -	100 -	125 -	150 -	175 -	200 -	225 -	250 16
8 Ø	16 x 16	Flow Rate (cfm) Sound (NC)	70 -	105 -	140 -	175 -	209 -	244 -	279 -	314 -	349 17
8 x 8	16 x 16	Flow Rate (cfm) Sound (NC)	89 -	133 -	178 -	222 -	266 -	311 -	355 -	400 -	444 18
10 Ø	16 x 16	Flow Rate (cfm) Sound (NC)	109 -	164 -	218 -	273 -	327 -	382 -	436 -	491 15	545 18
10 x 10	16 x 16	Flow Rate (cfm) Sound (NC)	139 -	208 -	278 -	347 -	416 -	486 -	555 -	625 16	694 19

### PDDR – 20 in. x 20 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm) Neg. Static Pressure (in. w.g.) Velocity Pressure (in. w.g.)	200 .007 .002	300 .015 .006	400 .027 .010	500 .042 .016	600 .061 .022	700 .083 .031	800 .108 .040	900 .137 .050	1000 .169 .062
6 Ø	20 x 20	Flow Rate (cfm) Sound (NC)	39 -	59 -	78 -	98 -	118 -	137 -	157 -	176 -	196 -
6 x 6	20 x 20	Flow Rate (cfm) Sound (NC)	50 -	75 -	100 -	125 -	150 -	175 -	200 -	225 -	250 16
8 Ø	20 x 20	Flow Rate (cfm) Sound (NC)	70 -	105 -	140 -	175 -	209 -	244 -	279 -	314 -	349 -
8 x 8	20 x 20	Flow Rate (cfm) Sound (NC)	89 -	133 -	178 -	222 -	266 -	311 -	355 -	400 -	444 18
10 Ø	20 x 20	Flow Rate (cfm) Sound (NC)	109 -	164 -	218 -	273 -	327 -	382 -	436 -	491 16	545 19
10 x 10	20 x 20	Flow Rate (cfm) Sound (NC)	139 -	208 -	278 -	347 -	416 -	486 -	555 -	625 16	694 19
12 Ø	20 x 20	Flow Rate (cfm) Sound (NC)	157 -	236 -	314 -	393 -	471 -	550 -	628 -	707 16	785 19
12 x 12	20 x 20	Flow Rate (cfm) Sound (NC)	200 -	300 -	400 -	500 -	600 -	700 -	800 -	900 17	1000 20
14 Ø	20 x 20	Flow Rate (cfm) Sound (NC)	207 -	311 -	414 -	518 -	622 -	725 -	829 -	932 18	1036 21

**Performance Notes:**

1. Tested in accordance with ASHRAE Standard 70 – 2023 "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<sup>-12</sup> 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) Neg. Static Pressure (in. w.g.) Velocity Pressure (in. w.g.)	200 .007 .002	300 .015 .006	400 .027 .010	500 .042 .016	600 .061 .022	700 .083 .031	800 .108 .040	900 .137 .050	1000 .169 .062
6 Ø	12 x 12	Flow Rate (cfm) Sound (NC)	39 -	59 -	78 -	98 -	118 -	137 -	157 -	176 -	196 15
6 x 6	12 x 12	Flow Rate (cfm) Sound (NC)	50 -	75 -	100 -	125 -	150 -	175 -	200 -	225 -	250 16
18 x 6	24 x 12	Flow Rate (cfm) Sound (NC)	150 -	225 -	300 -	375 -	450 -	525 -	600 -	675 16	750 19

### PDDR – 24 in. x 24 in. Module

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm) Neg. Static Pressure (in. w.g.) Velocity Pressure (in. w.g.)	200 .007 .002	300 .015 .006	400 .027 .010	500 .042 .016	600 .061 .022	700 .083 .031	800 .108 .040	900 .137 .050	1000 .169 .062
6 Ø	24 x 24	Flow Rate (cfm) Sound (NC)	39 -	59 -	78 -	98 -	118 -	137 -	157 -	176 -	196 -
6 x 6	24 x 24	Flow Rate (cfm) Sound (NC)	50 -	75 -	100 -	125 -	150 -	175 -	200 -	225 -	250 16
8 Ø	24 x 24	Flow Rate (cfm) Sound (NC)	70 -	105 -	140 -	175 -	209 -	244 -	279 -	314 -	349 -
8 x 8	24 x 24	Flow Rate (cfm) Sound (NC)	89 -	133 -	178 -	222 -	266 -	311 -	355 -	400 -	444 18
10 Ø	24 x 24	Flow Rate (cfm) Sound (NC)	109 -	164 -	218 -	273 -	327 -	382 -	436 -	491 -	545 16
10 x 10	24 x 24	Flow Rate (cfm) Sound (NC)	139 -	208 -	278 -	347 -	416 -	486 -	555 -	625 16	694 19
12 Ø	24 x 24	Flow Rate (cfm) Sound (NC)	157 -	236 -	314 -	393 -	471 -	550 -	628 -	707 16	785 19
12 x 12	24 x 24	Flow Rate (cfm) Sound (NC)	200 -	300 -	400 -	500 -	600 -	700 -	800 -	900 17	1000 20
14 Ø	24 x 24	Flow Rate (cfm) Sound (NC)	207 -	311 -	414 -	519 -	622 -	725 -	829 -	932 18	1036 21
14 x 14	24 x 24	Flow Rate (cfm) Sound (NC)	272 -	408 -	544 -	681 -	817 -	953 -	1089 -	1225 18	1361 21
15 Ø	24 x 24	Flow Rate (cfm) Sound (NC)	245 -	368 -	491 -	614 -	736 -	859 16	982 16	1104 19	1227 22
15 x 15	24 x 24	Flow Rate (cfm) Sound (NC)	313 -	469 -	625 -	782 -	938 -	1094 -	1250 -	1407 18	1563 21
18 x 18	24 x 24	Flow Rate (cfm) Sound (NC)	450 -	675 -	900 -	1125 -	1350 -	1575 17	1800 22	2025 26	2250 29

### PDDR – Plenum Return

Neck Size (in.)	Face Module (in.)	Neck Velocity (fpm) Neg. Static Pressure (in. w.g.) Velocity Pressure (in. w.g.)	200 .007 .002	300 .015 .006	400 .027 .010	500 .042 .016	600 .061 .022	700 .083 .031	800 .108 .040	900 .137 .050	1000 .169 .062
10 x 10	12 x 12	Flow Rate (cfm) Sound (NC)	139 -	208 -	278 -	347 -	416 18	486 22	555 26	625 29	694 31
14 x 14	16 x 16	Flow Rate (cfm) Sound (NC)	272 -	408 -	554 -	681 15	817 20	953 24	1089 27	1225 30	1361 33
18 x 18	20 x 20	Flow Rate (cfm) Sound (NC)	450 -	675 -	900 -	1125 16	1350 21	1575 25	1800 28	2025 31	2250 34
22 x 10	24 x 12	Flow Rate (cfm) Sound (NC)	306 -	458 -	611 -	764 15	917 20	1069 24	1222 27	1375 30	1528 33
22 x 22	24 x 24	Flow Rate (cfm) Sound (NC)	672 -	1008 -	1344 -	1681 17	2017 22	2353 26	2689 29	3025 32	3361 35
46 x 22	48 x 24	Flow Rate (cfm) Sound (NC)	1406 -	2018 -	2811 -	3514 19	4217 24	4919 28	5622 31	6325 34	7028 37

**Performance Notes:**

1. Tested in accordance with ASHRAE Standard 70 – 2023 "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<sup>-12</sup> Watts and one diffuser.
5. Blanks "-" indicate an NC level below 15.