

DVR1

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Nominal Unit Size 18" x 4"	Plenum pressure	0.005	0.010	0.015	0.020	0.025	0.030	0.040	0.050
	Airflow, cfm	25	35	43	50	56	61	70	78
	NC (Noise Criteria)	-	-	-	-	-	-	-	-
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-4	2-5	3-6	3-6	3-7	3-7	3-8	4-8
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-5	3-6	3-7	3-8	3-8	4-9	4-9	4-10
Nominal Unit Size 24" x 4"	Plenum pressure	0.005	0.010	0.015	0.020	0.025	0.030	0.040	0.050
	Airflow, cfm	29	42	51	59	66	72	83	93
	NC (Noise Criteria)	-	-	-	-	-	-	-	-
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-5	3-6	3-7	3-7	3-8	4-8	4-9	4-9
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-6	3-7	3-8	4-9	4-9	4-10	4-11	5-11
Nominal Unit Size 30" x 4"	Plenum pressure	0.005	0.010	0.015	0.020	0.025	0.030	0.040	0.050
	Airflow, cfm	46	65	80	92	103	113	130	145
	NC (Noise Criteria)	-	-	-	-	15	17	21	23
	Adjacent Zone (AZ) $\Delta 5^\circ$	3-7	3-8	4-9	4-10	4-10	5-11	5-12	5-12
	Adjacent Zone (AZ) $\Delta 10^\circ$	3-8	4-9	4-11	5-12	5-12	5-13	6-14	6-15
Nominal Unit Size 36" x 4"	Plenum pressure	0.005	0.010	0.015	0.020	0.025	0.030	0.040	0.050
	Airflow, cfm	50	70	86	99	111	122	140	157
	NC (Noise Criteria)	-	-	-	-	-	15	18	21
	Adjacent Zone (AZ) $\Delta 5^\circ$	3-7	4-8	4-10	4-10	5-11	5-12	5-13	6-13
	Adjacent Zone (AZ) $\Delta 10^\circ$	3-8	4-10	5-11	5-12	5-13	6-14	6-15	7-16
Nominal Unit Size 40" x 4"	Plenum pressure	0.005	0.010	0.015	0.020	0.025	0.030	0.040	0.050
	Airflow, cfm	49	69	85	98	110	120	139	155
	NC (Noise Criteria)	-	-	-	-	-	-	15	18
	Adjacent Zone (AZ) $\Delta 5^\circ$	3-7	4-9	4-10	4-10	5-11	5-12	5-13	6-13
	Adjacent Zone (AZ) $\Delta 10^\circ$	3-8	4-10	5-11	5-12	5-13	6-14	6-15	7-16
Nominal Unit Size 48" x 4"	Plenum pressure	0.005	0.010	0.015	0.020	0.025	0.030	0.040	0.050
	Airflow, cfm	59	83	102	118	132	144	166	186
	NC (Noise Criteria)	-	-	-	-	-	-	17	19
	Adjacent Zone (AZ) $\Delta 5^\circ$	3-8	4-10	5-11	5-12	5-13	6-13	6-14	6-15
	Adjacent Zone (AZ) $\Delta 10^\circ$	4-10	5-12	5-13	6-14	6-15	6-16	7-17	7-18
Nominal Unit Size 18" x 6"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	22	31	37	43	48	53	61	68
	NC (Noise Criteria)	-	-	-	-	-	15	20	23
	Adjacent Zone (AZ) $\Delta 5^\circ$	1-6	1-7	2-8	2-9	2-10	2-11	2-12	3-13
	Adjacent Zone (AZ) $\Delta 10^\circ$	1-6	2-8	2-9	2-10	2-10	3-11	3-12	3-13
Nominal Unit Size 24" x 6"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	35	49	60	70	78	85	99	110
	NC (Noise Criteria)	-	-	-	-	-	16	21	24
	Adjacent Zone (AZ) $\Delta 5^\circ$	1-8	2-9	2-11	2-12	3-13	3-14	3-15	3-16
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-8	2-10	3-11	3-12	3-13	3-14	4-16	4-17
Nominal Unit Size 30" x 6"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	42	60	73	84	94	103	119	133
	NC (Noise Criteria)	-	-	-	-	-	17	22	25
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-8	2-10	2-12	3-13	3-14	3-14	3-16	4-17
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-8	2-11	3-12	3-13	3-14	4-15	4-17	4-18
Nominal Unit Size 36" x 6"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	43	61	75	86	97	106	122	137
	NC (Noise Criteria)	-	-	-	-	15	18	23	26
	Adjacent Zone (AZ) $\Delta 5^\circ$	1-8	2-10	2-11	3-12	3-13	3-14	3-15	4-17
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-8	2-10	3-12	3-13	3-14	3-15	4-16	4-17
40" x 6"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	56	79	97	112	126	138	159	178
	NC (Noise Criteria)	-	-	-	-	16	19	23	26
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-9	2-11	3-13	3-14	3-15	3-16	4-18	4-19
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-9	3-12	3-13	3-15	4-16	4-17	4-19	5-20

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PERFORMANCE DATA

DVR1 (continued)

Nominal Unit Size 48" x 6"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	70	99	121	139	156	171	197	220
	NC (Noise Criteria)	-	-	-	-	16	19	24	27
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-10	3-12	3-14	3-16	4-17	4-18	4-20	5-21
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-10	3-13	3-15	4-16	4-18	4-19	5-21	5-22
Nominal Unit Size 18" x 8"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	22	31	38	44	50	54	63	70
	NC (Noise Criteria)	-	-	-	-	-	16	21	24
	Adjacent Zone (AZ) $\Delta 5^\circ$	1-6	1-7	2-9	2-9	2-10	2-11	3-12	3-13
	Adjacent Zone (AZ) $\Delta 10^\circ$	1-6	2-8	2-9	2-10	2-11	3-11	3-12	3-13
Nominal Unit Size 24" x 8"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	36	51	63	72	81	89	102	115
	NC (Noise Criteria)	-	-	-	-	-	18	22	26
	Adjacent Zone (AZ) $\Delta 5^\circ$	1-8	2-10	2-11	3-12	3-13	3-14	3-15	4-17
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-8	2-10	3-12	3-13	3-14	3-15	4-16	4-17
Nominal Unit Size 30" x 8"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	44	62	76	87	98	107	123	138
	NC (Noise Criteria)	-	-	-	-	16	18	23	26
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-8	2-10	2-12	3-13	3-14	3-15	4-16	4-18
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-9	2-11	3-12	3-14	3-15	4-16	4-17	4-18
Nominal Unit Size 36" x 8"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	44	63	77	89	99	109	125	140
	NC (Noise Criteria)	-	-	-	-	16	19	23	27
	Adjacent Zone (AZ) $\Delta 5^\circ$	1-8	2-10	2-11	3-13	3-13	3-14	3-16	4-17
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-8	2-10	3-12	3-13	3-14	3-15	4-16	4-18
Nominal Unit Size 40" x 8"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	58	82	101	116	130	143	165	184
	NC (Noise Criteria)	-	-	-	-	17	20	24	28
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-9	2-12	3-13	3-15	3-16	4-17	4-18	4-20
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-10	3-12	3-14	3-15	4-16	4-17	5-19	5-21
Nominal Unit Size 48" x 8"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	72	102	126	145	162	178	205	229
	NC (Noise Criteria)	-	-	-	-	18	20	25	28
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-10	3-13	3-15	3-16	4-17	4-18	4-20	5-22
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-11	3-13	3-15	4-17	4-18	5-19	5-21	6-23
Nominal Unit Size 60" x 8"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	87	123	151	175	195	214	247	276
	NC (Noise Criteria)	-	-	-	-	18	21	26	29
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-11	3-14	3-16	4-17	4-18	4-20	5-22	5-23
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-11	3-14	4-16	4-18	5-19	5-20	5-23	6-24
Nominal Unit Size 12" x 12"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	29	41	50	58	64	71	81	91
	NC (Noise Criteria)	-	-	-	-	-	17	21	24
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-6	2-8	2-10	2-11	2-12	2-14	3-16	3-17
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-6	2-9	2-10	3-12	3-13	3-15	3-16	3-18
Nominal Unit Size 18" x 12"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	43	61	75	86	97	106	122	137
	NC (Noise Criteria)	-	-	-	-	15	18	23	26
	Adjacent Zone (AZ) $\Delta 5^\circ$	2-6	2-8	3-10	3-12	3-13	3-14	4-16	4-18
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-6	3-9	3-11	3-12	4-14	4-15	4-17	4-19
Nominal Unit Size 24" x 12"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	70	99	121	139	156	171	197	220
	NC (Noise Criteria)	-	-	-	-	16	19	24	27
	Adjacent Zone (AZ) $\Delta 5^\circ$	3-8	3-11	4-13	4-15	4-16	4-18	5-20	5-23
	Adjacent Zone (AZ) $\Delta 10^\circ$	3-8	4-11	4-14	5-16	5-17	5-19	6-22	6-24

DVR1 (continued)

Nominal Unit Size 6" x 18"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	28	39	48	55	62	68	78	87
	NC (Noise Criteria)	-	-	-	-	-	15	20	23
	Adjacent Zone (AZ) $\Delta 5^\circ$	1-10	2-14	2-17	2-19	2-21	2-23	2-27	2-30
	Adjacent Zone (AZ) $\Delta 10^\circ$	2-11	2-15	2-18	2-20	2-23	2-25	3-28	3-31
Nominal Unit Size 24" x 24"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	167	236	288	333	372	408	471	527
	NC (Noise Criteria)	-	-	-	15	18	21	26	29
	Adjacent Zone (AZ) $\Delta 5^\circ$	4-17	5-24	6-29	6-34	7-38	7-41	8-47	8-52
	Adjacent Zone (AZ) $\Delta 10^\circ$	5-19	6-26	7-31	7-36	8-40	8-43	9-50	9-56
Nominal Unit Size 30" x 24"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	202	285	350	404	451	494	571	638
	NC (Noise Criteria)	-	-	-	16	20	22	27	30
	Adjacent Zone (AZ) $\Delta 5^\circ$	5-17	6-24	7-29	7-34	8-38	8-41	9-47	9-52
	Adjacent Zone (AZ) $\Delta 10^\circ$	6-18	7-26	8-31	9-36	9-40	10-43	10-50	11-55
Nominal Unit Size 36" x 24"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	209	296	362	418	468	512	592	661
	NC (Noise Criteria)	-	-	-	17	21	23	28	31
	Adjacent Zone (AZ) $\Delta 5^\circ$	5-15	6-22	7-26	8-30	8-33	9-36	9-42	10-47
	Adjacent Zone (AZ) $\Delta 10^\circ$	6-16	8-23	8-28	9-32	10-35	10-39	11-44	12-49
Nominal Unit Size 48" x 24"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	333	471	577	666	745	816	942	1053
	NC (Noise Criteria)	-	-	-	18	21	24	29	32
	Adjacent Zone (AZ) $\Delta 5^\circ$	7-19	9-26	10-32	10-37	11-41	12-45	12-51	13-57
	Adjacent Zone (AZ) $\Delta 10^\circ$	9-20	10-28	11-34	12-39	13-44	14-47	15-54	16-61
Nominal Unit Size 24" x 30"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	226	320	392	453	506	554	640	716
	NC (Noise Criteria)	-	-	-	15	19	22	26	30
	Adjacent Zone (AZ) $\Delta 5^\circ$	5-23	6-33	7-39	7-45	8-50	8-55	9-63	9-70
	Adjacent Zone (AZ) $\Delta 10^\circ$	6-25	7-34	8-42	9-48	9-53	10-58	10-67	11-74
Nominal Unit Size 24" x 36"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	262	371	454	524	586	642	741	829
	NC (Noise Criteria)	-	-	-	16	20	23	27	31
	Adjacent Zone (AZ) $\Delta 5^\circ$	6-27	7-37	7-45	8-52	8-58	9-63	9-73	10-81
	Adjacent Zone (AZ) $\Delta 10^\circ$	7-28	8-40	9-48	9-55	10-61	10-67	11-77	12-86
Nominal Unit Size 24" x 48"	Plenum pressure	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10
	Airflow, cfm	357	505	619	715	799	876	1011	1130
	NC (Noise Criteria)	-	-	-	17	21	24	28	32
	Adjacent Zone (AZ) $\Delta 5^\circ$	7-36	8-50	9-61	9-70	10-78	10-85	11-98	12-109
	Adjacent Zone (AZ) $\Delta 10^\circ$	8-38	9-53	10-65	11-74	12-83	12-90	13-104	14-115

PERFORMANCE NOTES

- The adjacent zone (AZ) is the discharge isovel at 1" above the floor where the terminal velocity is 50 fpm
- Adjacent zone dimensions were obtained from tests conducted in accordance with Nordtest method of aerodynamic testing and rating of low velocity
- Sound and pressure data were obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-2006
- $\Delta T$  is the "under temperature" which is the difference between room air temperature at 3-1/2 ft above the floor and the supply air temperature
- Throw values shown are distances in feet for temperature differentials of 5°F  $\Delta T$  and 10°F  $\Delta T$  cooling at 50 fpm terminal velocity. The first listed throw value corresponds to the length and the second throw value to the width (see diagram at bottom of page).
- NC values based on octave band 2 to 7 sound power levels minus a room absorption of 10 dB
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10 dB, re 10<sup>-12</sup> watts
- Dash (-) in space denotes an NC value of less than 10
- All pressures are given in inches of water

