GENERAL INFORMATION

Noise Criteria (NC)										
Inlet Size	Max CFM	Min. Op. Pressure (in. wc)	DISCHARGE P_s				RADIATED P_s			
			0.5"	1.0"	1.5"	3.0"	0.5"	1.0"	1.5"	3.0"
04	45	0.002	-	-	16	21	-	-	16	21
	100	0.012	15	20	22	27	-	18	21	27
	150	0.027	20	25	27	32	18	23	27	33
	200	0.049	22	27	31	35	21	28	31	36
	230	0.066	27	31	33	38	26	31	35	40
05	70	0.006	-	-	16	21	-	-	-	-
	100	0.012	-	-	17	22	-	-	-	-
	150	0.027	-	17	20	25	-	-	-	16
	200	0.049	16	21	25	28	-	15	18	22
	300	0.113	21	26	30	35	20	25	27	32
	360	0.164	21	27	31	37	27	30	33	38
06	100	0.011	-	-	16	20	-	16	20	25
	200	0.044	15	17	20	25	15	20	22	27
	300	0.101	20	23	26	31	21	26	28	33
	400	0.180	20	25	28	33	26	31	33	38
	500	0.283	23	28	32	37	30	35	38	41
	520	0.306	26	30	33	38	32	36	38	42
07	140	0.011	-	17	21	27	-	15	18	23
	200	0.023	-	18	22	28	-	17	20	25
	300	0.051	15	21	23	30	15	20	23	28
	400	0.090	15	22	25	32	18	23	27	31
	500	0.141	20	26	30	37	21	26	30	33
	600	0.203	23	30	35	38	22	27	31	36
	710	0.283	16	33	38	43	27	32	35	40
08	185	0.011	-	17	22	27	-	-	17	22
	200	0.013	-	17	22	27	-	-	17	22
	400	0.051	-	16	20	26	16	20	22	25
	600	0.115	15	21	25	31	21	25	27	31
	800	0.205	17	25	28	35	26	30	32	35
	925	0.275	18	28	32	38	30	33	36	42
10	290	0.010	-	-	16	22	17	18	23	31
	500	0.031	-	-	17	23	20	21	25	33
	700	0.061	-	20	23	30	25	27	27	33
	900	0.101	16	22	26	32	28	31	31	35
	1100	0.152	21	26	31	36	33	35	36	38
	1300	0.213	23	31	33	41	36	38	38	41
	1450	0.266	28	33	38	45	38	41	42	43
12	420	0.012	-	17	22	31	15	20	23	32
	700	0.032	-	20	23	32	16	22	25	33
	1000	0.066	-	21	25	33	21	25	30	35
	1300	0.111	17	23	27	36	25	28	32	37
	1600	0.169	21	26	30	37	28	33	36	40
	1900	0.237	23	28	31	38	31	36	40	42
	2100	0.290	26	30	33	40	35	38	42	50
14	580	0.012	-	16	21	28	17	18	23	32
	1000	0.036	-	16	21	28	20	22	25	33
	1400	0.071	15	20	25	32	28	31	32	35
	2000	0.144	21	25	28	36	37	40	41	43
	2400	0.207	23	28	31	38	42	45	47	48
	2800	0.281	26	31	33	38	46	48	50	53
	2900	0.301	26	31	33	40	46	48	50	53
16	740	0.011	-	16	20	27	16	21	23	28
	1200	0.028	-	17	21	28	17	22	25	30
	1700	0.057	16	21	26	31	20	23	27	33
	2200	0.095	18	23	28	35	22	26	30	36
	2700	0.144	21	28	31	37	23	31	32	38
	3200	0.202	25	31	33	40	27	32	36	41
	3700	0.269	27	33	36	42	30	35	38	43
24	1420	0.004	27	32	35	38	27	32	35	40
	2000	0.009	28	32	36	38	28	33	36	41
	3000	0.020	30	33	37	40	31	36	38	43
	4000	0.035	32	37	38	42	35	38	42	47
	5000	0.055	35	38	41	45	37	42	45	50
	6000	0.080	36	40	43	47	38	45	47	52
	7100	0.112	38	42	45	48	41	47	48	55

Noise Criteria (NC) Notes:

1. A hyphen (-) indicates the NC is lower than 15.
2. Noise Criteria (NC) were found using ARI Standard 885-98 Appendix E (2002 Addendum):
   a. Radiated NC were found using the type 2 ceiling (mineral fiber) condition.
   b. Discharge NC were found using the large terminal condition due to the multitude of possible dischargeduct sizes.
3. ARI Standard 885-98 Appendix E, Table E1. Typical Sound Attenuation Values, dB.

Damper Leakage

Size (in.)	1.5 in. wc		3.0 in. wc		6.0 in. wc	
	CFM	% Leakege	CFM	%Leakage	CFM	% Leakage
4	4	1.7	5	2.2	7	3.0
5	4	1.1	5	1.4	7	1.9
6	4	0.8	5	1.0	7	1.3
7	4	0.6	5	0.7	7	1.0
8	4	0.4	5	0.5	7	0.8
10	4	0.3	5	0.3	7	0.5
12	4	0.2	5	0.2	7	0.3
14	4	0.1	6	0.2	8	0.3
16	5	0.1	7	0.2	9	0.2

Casing Leakage

Size (in.)	0.25 in. wc		0.5 in. wc		1.0 in. wc	
	CFM	% Leakage	CFM	% Leakage	CFM	% Leakage
4	2	0.9	3	1.3	5	2.2
5	2	0.6	3	0.8	5	1.4
6	2	0.4	3	0.6	5	1.0
7	3	0.4	4	0.6	6	0.8
8	3	0.3	4	0.4	6	0.6
10	4	0.3	5	0.3	7	0.5
12	5	0.2	7	0.3	9	0.5
14	6	0.2	9	0.3	12	0.4
16	7	0.2	10	0.3	14	0.4