

AIRCONCEPTS

Performance Data Sheet

ANF/ANR

MODEL	Duct Velocity (FPM) Velocity Pressure	400 0.01	600 0.022	800 0.04	1000 0.062	1200 0.089	1400 0.122	1600 0.16
ANF/ANR-03	CFM	20	29	39	49	59	69	79
ANF-03	Total Pressure	0.012	0.026	0.047	0.074	0.106	0.144	0.188
ANF-03	NC	<15	<15	<15	<15	17	21	25
ANR-03	Total Pressure	0.016	0.036	0.064	0.100	0.144	0.196	0.256
ANR-03	NC	<15	<15	<15	16	21	25	29
ANF/ANR-03	Projection	1-3-7	2-5-10	3-7-12	5-9-13	6-10-14	6-11-16	7-12-17
ANF/ANR-04	CFM	35	52	70	87	105	122	140
ANF-04	Total Pressure	0.012	0.026	0.047	0.076	0.106	0.144	0.188
ANF-04	NC	<15	<15	<15	19	23	27	31
ANR-04	Total Pressure	0.016	0.036	0.064	0.100	0.144	0.196	0.256
ANR-04	NC	<15	<15	16	22	28	32	36
ANF/ANR-04	Projection	2-4-10	3-7-14	4-10-16	6-12-18	7-14-19	9-15-21	10-13-18
ANF/ANR-05	CFM	55	82	109	136	164	191	218
ANF-05	Total Pressure	0.012	0.026	0.047	0.074	0.106	0.144	0.188
ANF-05	NC	<15	<15	16	22	27	31	35
ANR-05	Total Pressure	0.016	0.036	0.064	0.100	0.144	0.196	0.256
ANR-05	NC	<15	<15	21	28	33	37	41
ANF/ANR-05	Projection	2-5-11	3-6-15	5-10-20	8-13-22	9-15-24	11-18-26	12-16-23
ANF/ANR-06	CFM	79	118	157	196	236	275	314
ANF-06	Total Pressure	0.012	0.026	0.047	0.074	0.106	0.144	0.188
ANF-06	NC	<15	<15	20	26	31	35	39
ANR-06	Total Pressure	0.016	0.036	0.064	0.100	0.144	0.196	0.256
ANR-06	NC	<15	17	25	32	37	42	46
ANF/ANR-06	Projection	4-8-15	5-11-20	6-15-24	9-18-26	11-20-29	13-22-31	15-24-33
ANF/ANR-08	CFM	140	210	280	350	420	490	560
ANF-08	Total Pressure	0.012	0.029	0.052	0.08	0.116	0.158	0.207
ANF-08	NC	<15	<15	<15	15	20	25	29
ANR-08	Total Pressure	0.017	0.039	0.07	0.109	0.157	0.214	0.28
ANR-08	NC	<15	<15	15	20	25	30	34
ANF/ANR-08	Projection	5-11-23	8-17-28	11-23-32	14-25-36	17-28-39	20-30-42	23-32-45
ANF/ANR-10	CFM	218	327	436	545	654	763	872
ANF-10	Total Pressure	0.012	0.029	0.052	0.08	0.116	0.158	0.207
ANF-10	NC	<15	<15	<15	17	22	27	31
ANR-10	Total Pressure	0.017	0.039	0.07	0.109	0.157	0.214	0.28
ANR-10	NC	<15	<15	17	22	27	32	36
ANF/ANR-10	Projection	7-14-28	11-21-34	14-28-40	18-31-44	21-34-49	25-37-53	28-40-56
ANF/ANR-12	CFM	314	471	628	785	942	1100	1256
ANF-12	Total Pressure	0.012	0.029	0.052	0.08	0.116	0.159	0.207
ANF-12	NC	<15	<15	<15	17	23	27	32
ANR-12	Total Pressure	0.017	0.039	0.07	0.109	0.157	0.215	0.28
ANR-12	NC	<15	<15	19	23	29	33	38
ANF/ANR-12	Projection	8-17-34	13-25-41	17-34-48	21-38-53	25-41-58	30-45-63	38-54-76

performance data based on ASHRAE 70-91

Airflow CFM: Standard air density and isothermal conditions.

Static Pressure: Inches of water gauge required.

Nozzle Velocity: Nozzle Discharge Velocity in feet per minute [fpm].

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.

Projection: Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100 fpm, and 50 fpm respectively.

AIRCONCEPTS

Performance Data Sheet

ANF/ANR

MODEL	Duct Velocity (FPM) Velocity Pressure	400 0.01	600 0.022	800 0.04	1000 0.062	1200 0.089	1400 0.122	1600 0.16
ANF/ANR-14	CFM	428	641	855	1069	1283	1497	1710
ANF-14	Total Pressure	0.012	0.029	0.052	0.08	0.117	0.158	0.207
ANF-14	NC	<15	<15	<15	19	24	29	33
ANR-14	Total Pressure	0.017	0.039	0.07	0.109	0.158	0.214	0.28
ANR-14	NC	<15	15	20	25	30	35	39
ANF/ANR-14	Projection	9-20-39	15-30-48	20-39-56	25-44-62	30-48-68	35-52-74	39-56-79
ANF/ANR-16	CFM	558	838	1117	1396	1675	1954	2234
ANF-16	Total Pressure	0.012	0.029	0.052	0.08	0.117	0.158	0.207
ANF-16	NC	<15	<15	<15	19	25	30	34
ANR-16	Total Pressure	0.017	0.039	0.07	0.109	0.158	0.214	0.28
ANR-16	NC	<15	15	20	25	31	36	40
ANF/ANR-16	Projection	11-23-45	17-34-55	23-45-64	28-50-71	34-55-78	39-60-84	45-64-90
ANF/ANR-18	CFM	707	1060	1414	1767	2120	2474	2827
ANF-18	Total Pressure	0.013	0.029	0.052	0.08	0.117	0.158	0.207
ANF-18	NC	<15	<15	15	22	28	32	36
ANR-18	Total Pressure	0.018	0.039	0.07	0.109	0.158	0.215	0.28
ANR-18	NC	<15	<15	20	27	33	37	41
ANF/ANR-18	Projection	12-25-51	19-38-62	25-51-72	32-57-80	38-62-88	44-67-95	51-72-101
ANF/ANR-20	CFM	872	1309	1745	2181	2617	3053	3490
ANF-20	Total Pressure	0.013	0.029	0.052	0.08	0.117	0.158	0.207
ANF-20	NC	<15	<15	17	23	28	33	38
ANR-20	Total Pressure	0.018	0.041	0.073	0.114	0.164	0.223	0.292
ANR-20	NC	<15	16	22	28	33	38	43
ANF/ANR-20	Projection	14-28-56	21-43-69	28-56-80	36-63-89	43-69-97	50-74-105	56-80-113
ANF/ANR-22	CFM	1056	1583	2111	2639	3167	3695	4222
ANF-22	Total Pressure	0.012	0.029	0.052	0.08	0.117	0.158	0.207
ANF-22	NC	<15	<15	16	22	28	34	36
ANR-22	Total Pressure	0.016	0.035	0.063	0.098	0.141	0.192	0.25
ANR-22	NC	<15	15	21	27	33	37	41
ANF/ANR-22	Projection	15-30-60	23-45-76	30-60-88	38-69-58	45-76-107	53-82-116	60-88-124
ANF/ANR-24	CFM	1256	1884	2513	3141	3769	4397	5026
ANF-24	Total Pressure	0.012	0.029	0.052	0.08	0.117	0.158	0.207
ANF-24	NC	<15	<15	18	23	29	34	38
ANR-24	Total Pressure	0.017	0.038	0.067	0.105	0.151	0.206	0.269
ANR-24	NC	<15	17	23	28	34	39	43
ANF/ANR-24	Projection	16-33-67	25-50-83	34-67-95	42-75-107	50-83-117	59-89-126	67-95-135

performance data based on ASHRAE 70-91

Airflow CFM: Standard air density and isothermal conditions.

Static Pressure: Inches of water gauge required.

Nozzle Velocity: Nozzle Discharge Velocity in feet per minute [fpm].

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.

Projection: Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100 fpm, and 50 fpm respectively.