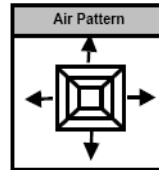


MODEL 5500DAFCC5
Model 5500 DAF-CC5

Aluminum Concentric Supply / Return

BASED ON 100% RETURN OF SUPPLY AIR FOR 2 - 10 TON ROOF PACKAGES							
TONNAGE	2	2 1/2	3	4	5	7 1/2	10
CAPACITY (CFM)	800	1000	1200	1600	2000	3000	4000
SUPPLY NECK SIZE	21x21	21x21	24x24	27x27	30x30	39x39	45x45
Ak	.60	.60	.70	1.10	1.30	2.20	2.60
Vk	1335	1665	1715	1430	1575	1365	1540
Ps	.09	.15	.15	.11	.13	.10	.12
Throw	14	16	17	20	23	31	39
RETURN NECK SIZE	15x15	15x15	18x18	18x18	21x21	27x27	33x33
AK	1.56	1.56	2.25	2.25	3.06	5.06	7.56
INLET VELOCITY	513	640	535	710	654	500	529
Ps	.04	.06	.04	.07	.06	.05	.04
NC	25	35	37	30	37	37	38



BASED ON 75% RETURN OF SUPPLY AIR								
ALL SUPPLIES	FACE VELOCITY Ps	500	750	1000	1250	1500	1750	2000
12X12	TOTAL CFM	90	130	175	220	265	310	350
SUPPLY	THROW	4	5	8	10	12	13	14
Ak = .18	NC	<15	16	21	26	31	35	39
9X9	TOTAL CFM	70	100	130	165	200	230	260
RETURN	INLET VELOCITY	125	180	230	295	355	410	465
Ak = .56	Ps	.01	.01	.01	.01	.02	.03	.04
15x15	TOTAL CFM	200	300	400	500	600	700	800
SUPPLY	THROW	5	8	10	12	14	17	19
Ak = .40	NC	<15	16	21	26	35	40	45
9x9	TOTAL CFM	150	225	300	375	450	525	600
RETURN	INLET VELOCITY	265	400	535	670	805	935	1070
Ak = .56	Ps	.01	.02	.04	.06	.09	.12	.16
18x18	TOTAL CFM	250	375	500	625	750	875	1000
SUPPLY	THROW	5	8	11	12	14	16	19
Ak = .50	NC	<15	19	24	29	34	38	42
12x12	TOTAL CFM	190	280	375	470	560	655	750
RETURN	INLET VELOCITY	190	280	375	470	560	655	750
Ak = 1.00	Ps	.01	.01	.02	.03	.04	.06	.08
21x21	TOTAL CFM	300	450	600	750	900	1050	1200
SUPPLY	THROW	5	8	12	13	15	17	20
Ak = .60	NC	15	20	25	30	35	39	43
15x15	TOTAL CFM	225	340	450	560	675	790	900
RETURN	INLET VELOCITY	145	220	290	360	430	505	575
Ak = 1.56	Ps	.01	.01	.01	.02	.03	.04	.05
24x24	TOTAL CFM	350	525	700	875	1050	1225	1400
SUPPLY	THROW	5	8	11	13	16	20	25
Ak = .70	NC	16	21	26	31	36	40	43
18x18	TOTAL CFM	260	395	525	655	790	920	1050
RETURN	INLET VELOCITY	115	175	235	290	350	410	465
Ak = 2.25	Ps	.01	.01	.01	.01	.02	.03	.04

BASED ON 75% RETURN OF SUPPLY AIR								
ALL SUPPLIES	FACE VELOCITY Ps	500	750	1000	1250	1500	1750	2000
30x30	TOTAL CFM	640	955	1275	1595	1915	2235	2550
SUPPLY	THROW	7	12	16	17	21	25	30
Ak = 1.30	NC	15	20	27	33	38	42	45
21x21	TOTAL CFM	480	715	955	1195	1435	1675	1910
RETURN	INLET VELOCITY	155	235	310	390	470	545	625
Ak = 3.06	Ps	.01	.01	.01	.02	.03	.04	.05
36x36	TOTAL CFM	1000	1500	2000	2500	3000	3500	4000
SUPPLY	THROW	8	13	18	22	30	34	38
Ak = 2.00	NC	15	20	28	34	39	43	47
24x24	TOTAL CFM	750	1125	1500	1875	2250	2625	3000
RETURN	INLET VELOCITY	185	280	375	470	560	655	750
Ak = 4.00	Ps	.01	.01	.02	.03	.05	.06	.08
42x42	TOTAL CFM	1440	2160	2875	3595	4315	5035	5750
SUPPLY	THROW	10	21	28	34	39	43	49
Ak = 2.90	NC	17	23	30	36	41	45	48
27x27	TOTAL CFM	1080	1615	2160	2695	3235	3775	4310
RETURN	INLET VELOCITY	215	320	425	530	640	745	850
Ak = 6.25	Ps	.01	.01	.03	.04	.06	.08	.10
48x48	TOTAL CFM	1690	2530	3380	4220	5065	5910	6750
SUPPLY	THROW	11	23	24	30	41	48	55
Ak = 2.60	NC	16	23	32	37	41	45	49
33x33	TOTAL CFM	1265	1900	2530	3165	3800	4430	5065
RETURN	INLET VELOCITY	170	250	335	420	500	585	670
Ak = 7.56	Ps	.01	.01	.02	.03	.04	.05	.06
60x60	TOTAL CFM	2190	3280	4375	5470	6565	7660	8750
SUPPLY	THROW	13	25	28	32	43	50	56
Ak = 4.37	NC	21	28	32	35	38	41	46
45x45	TOTAL CFM	1640	2460	3280	4100	4925	5745	6565
RETURN	INLET VELOCITY	115	175	235	290	350	410	465
Ak = 14.06	Ps	.002	.004	.007	.01	.02	.025	.03

Notes

All Units have been tested in accordance with ANSI / ASHRAE 70-2006. Data in table is derived from such testing

Ps - Static pressure required to obtain listed cfm, units of inches water gauge (in. wg.)

NC- Calculated noise criteria using 10 dB per octave room attenuation (dimensionless).

Throw - Non-isothermal throw, in feet, for a terminal velocity of 50 fpm

Inlet Velocity = fpm (Feet Per Minute)

For sizes not shown, refer to online tools **GRD Selection Program** performance calculator on Home Page