

XG-DAF-CC5 MODEL NUMBER SPECIFICATION
CONCENTRIC SUPPLY/RETURN CEILING DIFFUSER

Model		Supply	Return	Module	Available Finishes	
XG-DAF-CC5-6	T-bar Lay-in	12 x 12	6 x 6 9 x 9	24 x 24 or 48 x 24	Standard	
		15 x 15	6 x 6 9 x 9 12 x 12		01	White
			Optional			
		18 x 18	6 x 6 9 x 9 12 x 12 15 x 15	02	Satin Silver	
			6 x 6 9 x 9 12 x 12 15 x 15	03	Black	
		21 x 21	6 x 6 9 x 9 12 x 12 15 x 15 18 x 18	24	Mill	
			6 x 6 9 x 9 12 x 12 15 x 15 18 x 18	28	Custom Color	
			24 x 24 27 x 27	18 x 18	48 x 48 Only	
			30 x 30 33 x 33	21 x 21		
			36 x 36	24 x 24		
39 x 39	27 x 27					
42 x 42	27 x 27 30 x 30 33 x 33					
XG-DAF-CC5-7 XG-DAF-CC5-8	Concealed Spline Tegular	12 x 12	9 x 9	24" x 24" Only		
15 x 15		9 x 9				
18 x 18		12 x 12 15 x 15				

CEILING
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CONCENTRIC SUPPLY / RETURN
CEILING DIFFUSER

XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY SQUARE PATTERN (S4)
 MODEL XG-DAF CC5**

Based on 100% Return of Supply Air for 2-10 Ton Roof Top Packages							
Tonage	2	2.5	3	4	5	7.5	10
Capacity (CFM)	800	1000	1200	1600	2000	3000	4000
Supply Neck Size	21 x 21	21 x 21	24 x 24	27 x 27	30 x 30	39 x 39	45 x 45
Vk	1335	1665	1715	1430	1575	1365	1540
Ps	0.09	.15	.15	.11	.13	.10	.12
Pt	.11	.18	.18	.13	.15	.12	.15
Throw	7-14	8-16	9-17	10-20	12-23	16-31	21-39
Return Neck Size	15 x 15	15 x 15	18 x 18	18 x 18	21 x 21	27 x 27	33 x 33
Inlet Velocity	513	640	535	710	654	590	529
Pt	.04	.06	.04	.07	.06	.05	.04
NC	25	35	37	30	37	37	38

SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)

Based on 100% Return of Supply Air for 2-10 Ton Roof Top Packages							
Tonage	2	2.5	3	4	5	7.5	10
Capacity (CFM)	800	1000	1200	1600	2000	3000	4000
Supply Neck Size	24 x 18	27 x 18	27 x 21	36 x 21	36 x 27	45 x 36	54 x 36
Vk	1335	1540	1715	1335	1480	1300	1540
Ps	.09	.12	.15	.09	.12	.09	.12
Pt	.11	.15	.18	.11	.14	.11	.15
Throw Side A	6-11	7-12	8-13	10-15	12-14	15-22	16-24
Throw Side B	8-14	11-15	10-16	12-18	14-21	17-25	19-31
Return Neck Size	18 x 12	21 x 12	21 x 15	27 x 12	27 x 18	33 x 24	42 x 24
Inlet Velocity	533	570	550	710	590	545	570
Pt	.04	.05	.04	.07	.05	.04	.05
NC	25	35	37	30	37	32	38

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY SQUARE PATTERN (S4)
MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
12 x 12 Supply	Total CFM	90	130	175	220	265	310	350
	Throw	2-4	3-5	5-8	6-10	6-12	7-13	8-14
9 x 9 Return	Total CFM	70	100	130	165	200	230	260
	Inlet Velocity	125	180	230	295	355	410	465
	Ps	.010	.010	.010	.010	.020	.030	.040
	NC	-	-	21	26	31	35	39
15 x 15 Supply	Total CFM	200	300	400	500	600	700	800
	Throw	3-5	5-8	6-10	6-12	7-14	8-17	10-19
9 x 9 Return	Total CFM	150	225	300	375	450	525	600
	Inlet Velocity	265	400	535	670	805	935	1070
	Ps	.010	.020	.040	.060	.090	.120	.160
	NC	-	-	21	26	35	40	45
18 x 18 Supply	Total CFM	250	375	500	625	750	875	1000
	Throw	3-5	4-8	6-11	6-12	8-14	9-16	10-19
12 x 12 Return	Total CFM	190	280	375	470	560	655	750
	Inlet Velocity	190	280	375	470	560	655	750
	Ps	.010	.010	.020	.030	.040	.060	.080
	NC	-	-	24	29	34	38	42
18 x 18 Supply	Total CFM	140	210	280	350	420	490	560
	Throw	4-6	5-8	6-12	7-13	8-15	9-17	11-20
15 x 15 Return	Total CFM	105	155	210	260	315	365	420
	Inlet Velocity	70	100	135	165	200	235	270
	Ps	.010	.020	.030	.050	.070	.090	.010
	NC	-	-	20	25	30	35	40
21 x 21 Supply	Total CFM	300	450	600	750	900	1050	1200
	Throw	3-5	4-8	5-12	7-13	8-15	9-17	11-20
15 x 15 Return	Total CFM	225	340	450	560	675	790	900
	Inlet Velocity	145	220	290	360	430	505	575
	Ps	.010	.010	.010	.020	.030	.010	.050
	NC	-	-	25	30	35	39	43

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XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY SQUARE PATTERN (S4)
 MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
24 x 24 Supply	Total CFM	350	525	700	875	1050	1225	1400
	Throw	3-5	4-8	5-11	6-13	8-16	10-20	13-25
18 x 18 Return	Total CFM	260	395	525	655	790	920	1050
	Inlet Velocity	115	175	235	290	350	410	465
	Ps	.010	.010	.010	.010	.020	.030	.040
	NC	-	-	26	31	36	40	43
27 x 27 Supply	Total CFM	560	845	1125	1405	1685	1965	2250
	Throw	3-5	5-10	7-15	8-17	10-20	12-24	14-28
18 x 18 Return	Total CFM	405	610	815	1015	1220	1425	1630
	Inlet Velocity	180	270	360	450	540	635	725
	Ps	.010	.010	.020	.030	.040	.060	.070
	NC	-	-	26	32	37	41	44
30 x 30 Supply	Total CFM	640	955	1275	1595	1915	2235	2550
	Throw	3-7	5-12	7-16	9-17	11-21	13-25	15-30
21 x 21 Return	Total CFM	480	715	955	1195	1435	1675	1910
	Inlet Velocity	155	235	310	390	470	545	625
	Ps	.010	.010	.010	.020	.030	.040	.050
	NC	-	20	27	33	38	42	45
33 x 33 Supply	Total CFM	900	1350	1800	2250	2700	3150	3600
	Throw	4-8	6-13	8-17	11-23	15-30	17-33	19-38
21 x 21 Return	Total CFM	675	1010	1350	1690	2025	2360	2700
	Inlet Velocity	220	330	440	550	660	770	880
	Ps	.010	.020	.030	.040	.060	.080	.100
	NC	-	20	28	34	39	43	46

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XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY SQUARE PATTERN (S4)
MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
36 x 36 Supply	Total CFM	1000	1500	2000	2500	3000	3500	4000
	Throw	4-8	5-13	8-18	12-22	15-30	17-34	21-38
24 x 24 Return	Total CFM	750	1125	1500	1875	2250	2625	3000
	Inlet Velocity	185	280	375	470	560	655	750
	Ps	.010	.010	.020	.030	.050	.060	.080
	NC	-	20	28	34	39	43	47
39 x 39 Supply	Total CFM	1100	1650	2200	2750	3300	3850	4400
	Throw	5-10	8-17	11-21	15-23	18-34	25-39	26-42
27 x 27 Return	Total CFM	825	1240	1650	2060	2475	2890	3300
	Inlet Velocity	165	245	325	410	490	570	650
	Ps	.010	.010	.015	.020	.030	.050	.060
	NC	-	20	29	35	40	44	47
42 x 42 Supply	Total CFM	1440	2160	2875	3595	4315	5035	5750
	Throw	4-10	10-21	14-28	18-34	21-39	25-43	28-49
27 x 27 Return	Total CFM	1080	1615	2160	2695	3235	3775	4310
	Inlet Velocity	215	320	425	530	640	745	850
	Ps	.010	.010	.030	.040	.060	.080	.100
	NC	-	23	30	36	41	45	48
42 x 42 Supply	Total CFM	1200	1800	2400	3000	3600	4200	4800
	Throw	4-10	8-17	11-21	15-24	18-33	24-38	25-44
30 x 30 Return	Total CFM	900	1350	1800	2250	2700	3150	3600
	Inlet Velocity	145	215	290	360	430	505	575
	Ps	.010	.010	.010	.020	.030	.040	.050
	NC	-	-	25	33	35	40	45
42 x 42 Supply	Total CFM	940	1410	1880	2345	2815	3285	3750
	Throw	4-9	6-13	8-18	12-21	15-29	16-33	20-37
33 x 33 Return	Total CFM	705	1055	1410	1760	2110	2460	2815
	Inlet Velocity	95	140	185	230	280	325	370
	Ps	.020	.030	.050	.090	.130	.170	.220
	NC	-	20	25	33	35	40	45

CEILING
DIFFUSERS

CONCENTRIC SUPPLY / RETURN
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XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY SQUARE PATTERN (S4)
 MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
45 x 45 Supply	Total CFM	1300	1950	2600	3250	3900	4550	5200
	Throw	5-10	9-20	13-24	17-28	20-38	27-45	24-50
33 x 33 Return	Total CFM	975	1460	1950	2440	2925	3410	3900
	Inlet Velocity	130	195	255	320	390	450	515
	Ps	.030	.060	.100	.150	.200	.300	.400
	NC	-	22	28	33	39	44	48
48 x 48 Supply	Total CFM	1690	2530	3380	4220	5065	5910	6750
	Throw	6-11	11-23	16-24	20-30	23-41	30-48	35-55
33 x 33 Return	Total CFM	1265	1900	2530	3165	3800	4430	5065
	Inlet Velocity	170	250	335	420	500	585	670
	Ps	.010	.010	.020	.030	.040	.050	.060
	NC	-	23	32	37	41	45	49
60 x 60 Supply	Total CFM	2190	3280	4375	5470	6565	7660	8750
	Throw	7-13	13-25	18-28	22-32	25-43	32-50	37-56
45 x 45 Return	Total CFM	1640	2460	3280	4100	4925	5745	6565
	Inlet Velocity	115	175	235	290	350	410	465
	Ps	.020	.040	.070	.100	.200	.250	.300
	NC	-	28	32	35	38	41	46

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XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)
MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
30 x 24 Supply	Total CFM	640	960	1280	1600	1920	2240	2560
	Throw Side A	5-7	7-10	9-13	11-17	13-20	16-23	18-28
	Throw Side B	4-7	5-9	7-11	9-14	1-17	13-18	15-23
27 x 15 Return	Total CFM	480	720	960	1200	1440	1680	1920
	Inlet Velocity	170	255	340	430	515	600	685
	Ps	.010	.010	.020	.030	.040	.050	.070
36 x 27 Supply	Total CFM	675	1015	1350	1690	2030	2365	2705
	Throw Side A	5-8	7-10	9-13	11-17	13-20	16-24	18-28
	Throw Side B	4-7	6-9	8-12	10-15	11-19	14-20	17-25
27 x 18 Return	Total CFM	505	760	1010	1270	1520	1775	2030
	Inlet Velocity	150	225	300	375	450	525	600
	Ps	.010	.010	.010	.020	.030	.040	.050
36 x 30 Supply	Total CFM	715	1070	1430	1785	2140	2500	2855
	Throw Side A	5-9	7-11	9-13	11-17	13-20	16-23	18-28
	Throw Side B	4-7	6-9	8-12	10-15	12-18	15-21	17-25
27 x 21 Return	Total CFM	535	800	1070	1340	1605	1875	2140
	Inlet Velocity	135	205	270	340	410	480	545
	Ps	.010	.010	.010	.020	.025	.030	.040
42 x 33 Supply	Total CFM	1050	1575	2100	2625	3150	3675	4200
	Throw Side A	6-10	8-12	11-16	13-20	16-24	19-28	22-32
	Throw Side B	4-8	6-10	9-14	12-18	14-21	17-25	19-29
30 x 21 Return	Total CFM	790	1180	1575	1970	2360	2755	3150
	Inlet Velocity	180	270	360	450	540	630	720
	Ps	.010	.010	.020	.030	.040	.060	.070
48 x 21 Supply	Total CFM	750	1125	1500	1875	2250	2625	3000
	Throw Side A	4-8	7-11	10-15	13-19	17-23	18-26	22-31
	Throw Side B	3-6	6-9	7-11	9-14	11-16	13-20	15-23
39 x 12 Return	Total CFM	560	845	1125	1405	1690	1970	2250
	Inlet Velocity	170	260	345	430	520	605	690
	Ps	.010	.010	.020	.030	.040	.050	.070
	NC	20	23	26	30	35	40	45

CEILING
DIFFUSERS

CONCENTRIC SUPPLY / RETURN
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XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)
 MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
48 x 24 Supply	Total CFM	790	1180	1575	1970	2365	2760	3150
	Throw Side A	5-8	7-11	10-15	13-19	15-23	18-27	21-31
	Throw Side B	4-7	6-9	8-11	9-14	11-17	13-20	15-23
39 x 15 Return	Total CFM	590	885	1180	1480	1775	2070	2360
	Inlet Velocity	145	220	290	365	440	510	580
	Ps	.010	.010	.010	.020	.030	.040	.050
	NC	20	23	26	30	35	40	45
48 x 27 Supply	Total CFM	825	1240	1650	2065	2480	2890	3305
	Throw Side A	6-8	8-12	10-15	13-19	15-23	18-27	21-30
	Throw Side B	5-7	7-10	8-12	10-15	13-19	14-21	17-25
39 x 18 Return	Total CFM	620	930	1240	1550	1860	2170	2480
	Inlet Velocity	130	190	255	320	380	445	510
	Ps	.010	.010	.010	.010	.020	.030	.040
	NC	20	23	26	30	35	40	45
48 x 30 Supply	Total CFM	865	1295	1730	2160	2590	3025	3455
	Throw Side A	5-9	7-11	10-15	13-19	15-23	18-27	21-31
	Throw Side B	4-7	6-9	8-12	11-16	13-19	15-22	17-25
39 x 21 Return	Total CFM	650	970	1295	1620	1940	2270	2590
	Inlet Velocity	115	170	230	285	340	400	455
	Ps	.010	.010	.010	.010	.015	.020	.030
	NC	20	23	26	30	35	40	45
48 x 33 Supply	Total CFM	1150	1725	2300	2875	3450	4025	4600
	Throw Side A	7-11	9-13	11-17	15-22	18-26	21-30	23-34
	Throw Side B	5-8	6-10	9-14	12-18	14-21	17-25	19-29
36 x 21 Return	Total CFM	860	1295	1725	2155	2590	3020	3450
	Inlet Velocity	165	250	330	410	495	575	655
	Ps	.010	.010	.015	.020	.030	.050	.060
	NC	20	23	26	30	35	40	45

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XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)
MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
48 x 36 Supply	Total CFM	1200	1800	2400	3000	3600	4200	4800
	Throw Side A	7-11	9-13	11-17	15-22	18-26	21-30	23-34
	Throw Side B	5-9	7-11	10-15	13-19	15-21	17-26	20-30
36 x 24 Return	Total CFM	900	1350	1800	2250	2700	3150	3600
	Inlet Velocity	150	225	300	375	450	525	600
	Ps	.010	.010	.010	.020	.030	.040	.050
	NC	20	23	26	30	35	40	45
48 x 39 Supply	Total CFM	1250	1875	2500	3125	3750	4375	5000
	Throw Side A	7-11	9-13	11-17	15-22	16-25	18-27	21-31
	Throw Side B	5-9	7-11	10-15	11-16	13-19	15-23	18-28
36 x 27 Return	Total CFM	940	1405	1875	2345	2810	3280	3750
	Inlet Velocity	140	210	280	350	415	485	555
	Ps	.010	.010	.010	.020	.025	.030	.040
	NC	20	23	26	30	35	40	45
48 x 45 Supply	Total CFM	1625	2440	3250	4065	4880	5690	6500
	Throw Side A	8-13	10-15	13-19	16-24	19-29	23-33	26-38
	Throw Side B	7-12	9-14	12-18	15-23	18-28	21-32	24-35
33 x 30 Return	Total CFM	1220	1830	2440	3050	3660	4270	4875
	Inlet Velocity	180	265	355	445	535	620	710
	Ps	.010	.010	.020	.030	.040	.050	.070
	NC	20	23	26	30	35	40	45
60 x 21 Supply	Total CFM	910	1365	1820	2275	2730	3185	3640
	Throw Side A	6-10	9-13	11-17	17-22	18-26	21-30	23-34
	Throw Side B	4-7	6-9	8-11	10-15	12-18	14-20	15-23
51 x 12 Return	Total CFM	680	1025	1365	1705	2050	2390	2730
	Inlet Velocity	160	240	320	400	480	560	640
	Ps	.010	.010	.010	.020	.030	.050	.060
	NC	20	23	26	30	35	40	45
60 x 27 Supply	Total CFM	975	1465	1950	2440	2930	3415	3900
	Throw Side A	7-11	9-13	11-17	17-22	18-26	21-30	23-35
	Throw Side B	4-7	6-9	8-12	10-15	13-19	14-20	17-25
51 x 18 Return	Total CFM	730	1110	1460	1833	2200	2560	2925
	Inlet Velocity	115	175	230	290	345	400	460
	Ps	.010	.010	.010	.010	.020	.030	.040
	NC	20	23	26	30	35	40	45

CEILING
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XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)
 MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
60 x 30 Supply	Total CFM	1015	1520	2030	2535	3040	3550	4055
	Throw Side A	7-11	9-13	11-17	17-32	18-25	21-30	23-35
	Throw Side B	4-7	6-9	8-12	11-16	13-19	15-23	17-25
51 x 21 Return	Total CFM	760	1140	1520	1900	2280	2660	3040
	Inlet Velocity	100	155	205	255	310	360	410
	Ps	.010	.010	.010	.010	.020	.030	.040
	NC	20	23	26	30	35	40	45
60 x 33 Supply	Total CFM	1350	2025	2700	3375	4050	4725	5400
	Throw Side A	8-13	10-15	13-20	17-24	18-30	22-34	26-38
	Throw Side B	5-9	7-11	9-14	12-18	14-21	17-25	19-29
48 x 21 Return	Total CFM	1010	1520	2025	2530	3035	3545	4050
	Inlet Velocity	145	215	290	360	435	505	580
	Ps	.010	.010	.010	.020	.030	.040	.050
	NC	20	23	26	30	35	40	45
60 x 36 Supply	Total CFM	1400	2100	2800	3500	4200	4900	5600
	Throw Side A	8-13	10-15	13-20	17-25	18-30	23-34	27-40
	Throw Side B	5-9	7-11	12-15	13-19	15-22	17-26	20-30
48 x 24 Return	Total CFM	1050	1575	2100	2625	3150	3675	4200
	Inlet Velocity	130	195	260	330	395	460	525
	Ps	.010	.010	.010	.020	.030	.040	.050
	NC	20	23	26	30	35	40	45
60 x 39 Supply	Total CFM	1450	2175	2900	3625	4350	5075	5800
	Throw Side A	8-13	10-15	14-20	17-25	18-30	23-34	27-40
	Throw Side B	5-9	7-11	10-15	13-19	15-23	19-28	20-32
48 x 27 Return	Total CFM	1090	1630	2175	2720	3260	3805	4350
	Inlet Velocity	120	180	240	300	360	420	485
	Ps	.010	.010	.010	.020	.025	.030	.040
	NC	20	23	26	30	35	40	45

 CEILING
 DIFFUSERS

 CONCENTRIC SUPPLY / RETURN
 CEILING DIFFUSER

XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)
MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
60 x 42 Supply	Total CFM	1810	2720	3625	4530	5435	6340	7250
	Throw Side A	9-15	11-17	15-23	19-29	23-35	27-40	30-45
	Throw Side B	7-11	9-13	11-17	15-23	19-27	22-31	24-35
45 x 27 Return	Total CFM	1360	2040	2720	3400	4080	4755	5440
	Inlet Velocity	160	240	320	405	485	565	645
	Ps	.010	.010	.010	.020	.03	.040	.060
	NC	20	25	30	35	40	45	50
60 x 45 Supply	Total CFM	1875	2815	3750	4690	5630	6565	7500
	Throw Side A	9-15	11-17	15-23	19-28	22-34	26-40	30-45
	Throw Side B	7-12	9-14	12-18	15-23	17-27	21-32	24-36
45 x 30 Return	Total CFM	1400	2110	2810	3520	4220	4925	5625
	Inlet Velocity	150	225	300	375	450	525	600
	Ps	.010	.010	.010	.020	.030	.040	.050
	NC	20	25	30	35	40	45	50
60 x 48 Supply	Total CFM	1940	2910	3880	4850	5820	6790	7760
	Throw Side A	9-15	11-17	15-23	19-29	22-35	27-41	31-46
	Throw Side B	7-12	9-14	13-19	16-24	18-29	23-34	25-39
45 x 33 Return	Total CFM	1455	2180	2910	3640	4365	5090	5820
	Inlet Velocity	140	210	280	355	425	495	565
	Ps	.010	.010	.010	.020	.025	.030	.040
	NC	20	25	30	35	40	45	50
60 x 51 Supply	Total CFM	2000	3000	4000	5000	6000	7000	8000
	Throw Side A	9-15	11-17	15-23	19-29	22-35	27-41	31-46
	Throw Side B	8-13	10-15	13-20	16-25	20-30	23-35	27-40
45 x 36 Return	Total CFM	1500	2250	3000	3750	4500	5250	6000
	Inlet Velocity	135	200	265	335	400	465	535
	Ps	.010	.010	.010	.020	.025	.030	.040
	NC	20	25	30	35	40	45	50
60 x 54 Supply	Total CFM	2400	3600	4800	6000	7200	8400	9600
	Throw Side A	10-16	12-18	16-25	22-32	26-39	31-46	34-52
	Throw Side B	9-15	11-17	15-24	20-30	24-36	27-42	32-48
42 x 36 Return	Total CFM	1800	2700	3600	4500	5400	6300	7200
	Inlet Velocity	170	255	340	430	515	600	685
	Ps	.010	.010	.020	.030	.040	.050	.070
	NC	20	25	30	35	40	45	50

CEILING
DIFFUSERS

CONCENTRIC SUPPLY / RETURN
CEILING DIFFUSER

XG-DAF-CC5

**SERIES XG-DAF-CC5 PERFORMANCE DATA/4-WAY RECTANGULAR PATTERN (R4)
 MODEL XG-DAF CC5**

		Based on 75% Return of Supply Air						
		Neck Velocity						
		200	300	400	500	600	700	800
All Supplies	Face Velocity	500	750	1000	1250	1500	1750	2000
	Ps	.013	.03	.05	.08	.12	.16	.21
	Pt	.016	.04	.06	.10	.14	.19	.25
60 x 57 Supply	Total CFM	2480	3715	450	6190	7430	8665	9900
	Throw Side A	11-17	13-19	17-26	22-33	26-39	33-49	35-52
	Throw Side B	10-16	12-18	16-24	21-30	25-36	30-46	32-50
42 x 39 Return	Total CFM	1860	2790	3710	4640	5570	6500	7425
	Inlet Velocity	165	245	325	410	490	570	655
	Ps	.010	.010	.010	.020	.030	.050	.060
	NC	20	25	30	35	40	45	50

PERFORMANCE NOTES FOR SERIES XG-DAF-CC5

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (Air)

fpm Velocity of air stream in Feet per Minute

Pv Velocity pressure (inches of water column)

Pt Total pressure (inches of water column)

Ps Static pressure = Pt-Pv (inches of water column)

Throw Cataloged Throw is horizontal distances in feet to the terminal velocities of 150 and 50fpm with ambient supply air temperature

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw) re: 10⁻¹² watts minus a 10dB room attenuation in all octave bands