



Engineering Data for 901, 902, 931, 932 (Single Deflection A) Series

SIZE	VELOCITY		300	400	500	600	700	800	1000	1200	1400																
	DUCT PT.		0.004	0.008	0.013	0.018	0.025	0.033	0.051	0.074	0.1																
8x6 12x4	Eff. Area 0.241 ft ²	CFM	75		95		120		145		170		195		240		290		340								
		NC	<20		<20		<20		20		25		30		35		40		45								
		Throw(ft.)	5.5	6	6.5	7	8	9	9	10	11	10	12	14	12	14	16	13.5	16	18	16	20	24	18	23	28	22
10x6 16x4	Eff. Area 0.314 ft ²	CFM	95		125		155		190		220		250		315		375		440								
		NC	<20		<20		<20		20		25		30		35		40		45								
		Throw(ft.)	6.5	7	7.5	8	9	10	11	12	13	12	14	16	14.5	17	20	16	19	22	19	24	29	22	28	34	26
12x6 18x4	Eff. Area 0.380 ft ²	CFM	115		150		190		230		265		305		380		455		530								
		NC	<20		<20		<20		20		25		30		35		40		45-50								
		Throw(ft.)	7	8	9	10	11	12	11.5	13	14.5	13.5	16	18	16	19	22	18	21	24	22	27	32	26	32	38	30
10x8 14x6	Eff. Area 0.449 ft ²	CFM	135		180		225		270		315		360		450		540		630								
		NC	<20		<20		<20		20		25		30		35		40		45-50								
		Throw(ft.)	8	9	10	11	12	13	13.5	15	17	15.5	18	21	17	20	23	20	23	27	23	29	35	28	35	42	33
12x8 24x4	Eff. Area 0.538 ft ²	CFM	160		215		270		325		375		430		540		645		755								
		NC	<20		<20		<20		20		25		30		35		40		45-50								
		Throw(ft.)	9	10	11	11.5	13	14.5	14.5	16	18	17	20	23	20	23	27	22	26	30	26	32	38	31	30	47	36
10x10 18x6	Eff. Area 0.560 ft ²	CFM	170		225		280		335		390		450		560		670		785								
		NC	<20		<20		<20		20		25		30		35		40		45-50								
		Throw(ft.)	8	9	10	10	11	12	12.5	14	15.5	14.5	17	20	17	20	23	20	23	27	22	28	34	27	34	41	31
12x12 14x10	Eff. Area 0.806 ft ²	CFM	240		320		405		485		565		645		805		965		1130								
		NC	<20		<20		<20		20		25		30		35-40		40-50		50>								
		Throw(ft.)	9	10	11	11.5	13	14.5	15.5	17	19	17	20	23	20	23	27	22	26	30	26	33	40	32	40	48	37
14x12 20x8	Eff. Area 0.887 ft ²	CFM	265		355		445		530		620		710		890		1065		1240								
		NC	<20		<20		<20		20		25		30		35-40		40-50		50>								
		Throw(ft.)	10	11	12	12.5	14	15.5	17	18	20	18	21	24	21	25	28	24	28	32	29	36	43	34	43	52	40
14x14 20x10	Eff. Area 1.12 ft ²	CFM	335		450		560		670		785		895		1120		1345		1570								
		NC	<20		<20		20		25		30		30-35		35-40		40-45		50>								
		Throw(ft.)	11.5	13	14.5	16	18	20	20	22	24	22	26	30	26	31	36	30	35	40	35	44	53	42	52	62	49
18x12 26x8	Eff. Area 1.17 ft ²	CFM	350		470		585		700		820		935		1170		1405		1640								
		NC	<20		<20		20		25		30		30-35		35-40		40-45		50>								
		Throw(ft.)	11.5	13	14.5	16	18	20	20	22	24	23	27	31	26	31	36	31	36	41	35	44	53	42	53	64	50



Engineering Data for 901, 902, 931, 932 (Single Deflection A) Series

SIZE	VELOCITY		300	400	500	600	700	800	1000	1200	1400
	DUCT PT.		0.004	0.008	0.013	0.018	0.025	0.033	0.051	0.074	0.1
24x12 28x10	Eff. Area 1.65 ft ²	CFM	495	660	825	990	1155	1320	1650	1980	2310
		NC	<20	<20	20	25	30	30-35	35-40	40-45	50>
		Throw(ft.)	14.5 16 18	19 21 23	23 26 29	27 32 37	32 37 43	36 42 48	42 53 64	50 63 76	59 74 89
18x18 32x10	Eff. Area 1.89 ft ²	CFM	565	755	945	1135	1325	1510	1890	2270	2645
		NC	<20	<20	20	25	30	30-35	35-40	40-45	50>
		Throw(ft.)	14.5 16 18	20 22 24	24 27 30	28 33 38	32 38 44	37 44 51	44 55 66	53 66 79	62 77 92
30x12 26x14	Eff. Area 2.10 ft ²	CFM	630	840	1050	1260	1470	1680	2100	2520	2940
		NC	<20	<20	20	25	30	30-35	35-40	45-50	50>
		Throw(ft.)	16 19 20	22 24 26	26 29 32	30 35 40	35 41 47	40 47 54	47 59 71	57 71 85	66 82 98
36x12 32x14 24x18	Eff. Area 2.49 ft ²	CFM	745	995	1245	1495	1745	1990	2490	2990	3485
		NC	<20	<20	20	25	30	30-35	35-40	45-50	50>
		Throw(ft.)	17 19 21	23 26 29	29 32 35	33 39 45	38 45 52	44 52 60	52 65 78	62 78 94	73 91 109
36x16 24x24 48x12	Eff. Area 3.68 ft ²	CFM	1020	1310	1605	1900	2190	2480	3070	3650	4260
		NC	<20	20	25	30	30-35	35-40	45-50	50>	50>
		Throw(ft.)	23 26 29	29 32 35	33 39 45	38 45 52	44 52 60	52 65 78	62 78 94	73 91 109	85 106 126



Engineering Data for 901, 902, 931, 932 (Single Deflection B) Series

SIZE	VELOCITY		300	400	500	600	700	800	1000	1200	1400
	DUCT PT.		0.004	0.008	0.013	0.018	0.025	0.033	0.051	0.074	0.1
8x6 12x4	Eff. Area 0.216 ft ²	CFM	65	85	110	130	150	175	215	260	300
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw(ft.)	3.5 4 4.5	5.5 6 6.5	6.5 7 7.5	7 8 9	8.5 10 11.5	9.5 11 12.5	11 14 17	13.5 17 20	16 20 24
10x6 16x4	Eff. Area 0.281 ft ²	CFM	85	110	140	170	195	225	280	335	39
		NC	<20	<20	<20	20	25	30	35	40	45
		Throw(ft.)	4.5 5 5.5	6.5 7 7.5	7 8 9	8.5 10 11.5	11 13 15	12 14 16	13.5 17 20	16 20 24	19 24 29
12x6 18x4	Eff. Area 0.341 ft ²	CFM	100	135	170	205	240	275	340	410	475
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw(ft.)	5.5 6 6.5	6.5 7 7.5	8.5 10 11.5	9.5 11 12.5	11 13 15	13 15 17	15 19 23	18 23 28	21 26 31
10x8 14x6	Eff. Area 0.402 ft ²	CFM	120	160	200	240	280	320	400	480	565
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw(ft.)	5.5 6 6.5	7 8 9	9 10 11	10 12 14	13 15 17	14.5 17 20	17 21 25	20 25 30	23 29 35
12x8 24x4	Eff. Area 0.482 ft ²	CFM	145	195	240	290	335	385	480	580	675
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw(ft.)	6.5 7 7.5	8 9 10	10 11 12	11 13 15	13 15 17	15.5 18 21	18 22 26	22 27 32	25 31 37
10x10 18x6	Eff. Area 0.502 ft ²	CFM	150	200	250	300	350	400	500	600	705
		NC	<20	<20	<20	20	25	30	35	40	45-50
		Throw(ft.)	5.5 6 6.5	7 8 9	9 10 11	10 12 14	12 14 16	13.5 16 18	16 20 24	19 24 29	22 28 34
12x12 14x10	Eff. Area 0.722 ft ²	CFM	215	290	360	435	505	580	720	865	1010
		NC	<20	<20	<20	20	25	30	35-40	45-50	50
		Throw(ft.)	6.5 7 7.5	9 10 11	11 12 13	12 14 16	14.5 17 20	16 19 22	19 24 29	23 29 35	26 33 40
14x12 20x8	Eff. Area 0.795 ft ²	CFM	240	320	400	475	555	636	795	955	1115
		NC	<20	<20	<20	20	25	30	35-40	45-50	50
		Throw(ft.)	11 12 13	13.5 15 17	16 19 22	20 23 27	23 27 31	26 31 36	30 38 46	37 46 55	43 54 65
14x14 20x10	Eff. Area 1.00 ft ²	CFM	300	400	500	600	700	800	1000	1200	1400
		NC	<20	<20	20	25	30	30-35	35-40	40-45	50>
		Throw(ft.)	8 9 10	11 12 13	13.5 15 17	14.5 17 20	17 20 23	20 23 27	23 29 35	28 35 42	33 41 49
18x12 26x8	Eff. Area 1.05 ft ²	CFM	315	420	525	630	735	840	1050	1260	1470
		NC	<20	<20	20	25	30	30-35	35-40	40-45	50>
		Throw(ft.)	8 9 10	11 12 13	13.5 15 17	15.5 18 21	18 21 24	20 24 28	23 29 35	28 35 42	33 41 49



Engineering Data for 901, 902, 931, 932 (Single Deflection B) Series

SIZE	VELOCITY		300	400	500	600	700	800	1000	1200	1400
	DUCT PT.		0.004	0.008	0.013	0.018	0.025	0.033	0.051	0.074	0.1
24x12 28x10	Eff. Area 1.48 ft ²	CFM	445	590	740	890	1035	1185	1480	1775	2070
		NC	<20	<20	20	25	30	30-35	35-40	40-45	50>
		Throw(ft.)	10 11 12	12.5 14 15.5	16 18 20	18 21 24	21 25 29	24 28 32	29 36 43	34 43 52	40 50 60
18x18 32x10	Eff. Area 1.69 ft ²	CFM	505	675	845	1015	1185	1350	1690	2030	2365
		NC	<20	<20	20	25	30	30-35	35-40	40-45	50>
		Throw(ft.)	10 11 12	13.5 15 17	17 19 21	19 22 25	22 26 30	26 30 35	30 37 44	36 45 54	42 52 62
30x12 26x14	Eff. Area 1.88 ft ²	CFM	565	750	940	1130	1315	1505	1880	2255	2630
		NC	<20	<20	20	25	30	30-35	35-40	45-50	50>
		Throw(ft.)	13.5 15 17	18 20 22	23 25 28	26 31 36	31 36 41	35 41 47	41 51 61	49 61 73	57 71 85
36x12 32x14	Eff. Area 2.23 ft ²	CFM	670	890	1115	1340	1560	1785	2230	2675	3120
		NC	<20	<20	20	25	30	30-35	35-40	45-50	50>
		Throw(ft.)	12 13 14	16 18 20	20 22 24	23 27 31	26 31 36	31 36 41	36 45 54	43 54 65	50 62 74



Engineering Data for 901, 902, 931, 932 (Single Deflection C) Series

SIZE	VELOCITY		300			400			500			600			700			800			1000			1200			1400		
	DUCT PT.		0.005			0.01			0.016			0.023			0.031			0.041			0.064			0.093			0.125		
8x6 12x4	Eff. Area 0.190 ft ²	CFM	55			75			95			115			135			150			190			230			265		
		NC	<20			<20			<20			20			25			30			35			40			45		
		Throw(ft.)	2.5	3	3.5	3.5	4	4.5	4.5	5	5.5	5	6	7	6	7	8	7	8	9	8	10	12	9.5	12	14.5	10.5	13	15.5
10x6 16x4	Eff. Area 0.248 ft ²	CFM	75			100			125			150			175			200			250			300			350		
		NC	<20			<20			<20			20			25			30			35			40			45		
		Throw(ft.)	2.5	3	3.5	4.5	5	5.5	5.5	6	6.5	6	7	8	7	8	9	7.5	9	10.5	9	11	13	11	14	17	13	16	19
12x6 18x4	Eff. Area 0.300 ft ²	CFM	90			120			150			180			210			240			300			360			420		
		NC	<20			<20			<20			20			25			30			35			40			45-50		
		Throw(ft.)	3.5	4	4.5	4.5	5	5.5	5.5	6	6.5	6	7	8	7	8	9	8.5	10	11.5	9.5	12	14.5	11	14	17	13.5	17	20
10x8 14x6	Eff. Area 0.355 ft ²	CFM	105			140			180			215			250			285			355			425			495		
		NC	<20			<20			<20			20			25			30			35			40			45-50		
		Throw(ft.)	3.5	4	4.5	4.5	5	5.5	6.5	7	7.5	7	8	9	8.5	10	11.5	9.5	11	12.5	10.5	13	15.5	13	16	19	15	19	23
12x8 24x4	Eff. Area 0.425 ft ²	CFM	130			170			210			255			300			340			425			510			595		
		NC	<20			<20			<20			20			25			30			35			40			45-50		
		Throw(ft.)	3.5	4	4.5	5	6	6.5	6.5	7	7.5	7	8	9	8.5	10	11.5	9.5	11	12.5	11	14	17	13.5	17	20	16	20	24
10x10 18x6	Eff. Area 0.442 ft ²	CFM	135			175			220			265			310			355			442			530			620		
		NC	<20			<20			<20			20			25			30			35			40			45-50		
		Throw(ft.)	3.5	4	4.5	4.5	5	5.5	6.5	7	7.5	7	8	9	7.5	9	10.5	9.5	11	12.5	10.5	13	15.5	13	16	19	15	19	23
12x12 14x10	Eff. Area 0.638 ft ²	CFM	190			255			320			385			445			510			640			765			895		
		NC	<20			<20			<20			20			25			30			35-40			45-50			50>		
		Throw(ft.)	4.5	5	5.5	5.5	6	6.5	7	8	9	8.5	10	11.5	9.5	11	12.5	11	13	15	13	16	19	15	19	23	18	22	26
14x12 20x8	Eff. Area 0.701 ft ²	CFM	210			280			350			420			490			560			700			840			980		
		NC	<20			<20			<20			20			25			30			35-40			45-50			50>		
		Throw(ft.)	4.5	5	5.5	5.5	6	6.5	6.5	7	7.5	8.5	10	11.5	9.5	11	12.5	11	13	15	13	16	19	15	19	23	16	20	24
14x14 20x10	Eff. Area .885 ft ²	CFM	265			355			440			530			620			710			885			1060			1240		
		NC	<20			<20			20			25			30			30-35			35-40			40-45			50>		
		Throw(ft.)	4.5	5	5.5	6.5	7	7.5	8	9	10	9.5	11	12.5	10	12	14	12	14	16	14.5	18	22	17	21	25	20	25	30
18x12 26x8	Eff. Area .924 ft ²	CFM	275			370			460			555			645			740			925			1110			1295		
		NC	<20			<20			20			25			30			30-35			35-40			40-45			50>		
		Throw(ft.)	5.5	6	6.5	6.5	7	7.5	8	9	10	9.5	11	12.5	11	13	15	13	15	17	15	19	23	18	22	26	21	26	31
24x12 28x10	Eff. Area 1.30 ft ²	CFM	390			520			650			780			910			1040			1300			1560			1820		
		NC	<20			<20			20			25			30			30-35			35-40			40-45			50>		
		Throw(ft.)	5.5	6	6.5	7	8	9	9	10	11	10	12	14	13	15	17	14.5	17	20	17	21	25	20	25	30	23	29	35



Engineering Data for 901, 902, 931, 932 (Single Deflection C) Series

SIZE	VELOCITY		300	400	500	600	700	800	1000	1200	1400																
	DUCT PT.		0.005	0.01	0.016	0.023	0.031	0.041	0.064	0.093	0.125																
18x18 32x10	Eff. Area 1.49 ft ²	CFM	445		595		745		895		1045		1190		1490		1790		2085								
		NC	<20		<20		20		25		30		30-35		35-40		40-45		50>								
		Throw(ft.)	6.5	7	7.5	9	10	11	11	12	13	12	14	16	14.5	17	20	16	19	22	19	24	29	23	29	35	26
30x12 26x14	Eff. Area 1.66 ft ²	CFM	500		665		830		995		1160		1330		1660		1990		2325								
		NC	<20		<20		20		25		30		30-35		35-40		45-50		50>								
		Throw(ft.)	7	8	9	9	10	11	11	12	13	13	15	17	14.5	17	20	17	20	23	20	25	30	24	30	36	28
36x12 32x14	Eff. Area 1.98 ft ²	CFM	595		790		990		1190		1385		1585		1980		2375		2770								
		NC	<20		<20		20		25		30		30-35		35-40		45-50		50>								
		Throw(ft.)	7	8	9	10	11	12	12.5	14	15.5	14.5	17	20	16	19	22	19	22	25	22	28	34	26	33	40	31