



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 <sup>2</sup>	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   27   32
10x6 16x4	Eff. Area 0.314 ft <sup>2</sup>	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   33   40
12x6 18x4	Eff. Area 0.380 ft <sup>2</sup>	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   37   44
10x8 14x6	Eff. Area 0.449 ft <sup>2</sup>	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   41   49
12x8 24x4	Eff. Area 0.538 ft <sup>2</sup>	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   45   54
10x10 18x6	Eff. Area 0.560 ft <sup>2</sup>	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   39   47
12x12 14x10	Eff. Area 0.806 ft <sup>2</sup>	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   46   55
14x12 20x8	Eff. Area 0.887 ft <sup>2</sup>	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   50   60
14x14 20x10	Eff. Area 1.12 ft <sup>2</sup>	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   61   73
18x12 26x8	Eff. Area 1.17 ft <sup>2</sup>	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   62   75



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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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
10x6 16x4	Eff. Area 0.248 ft <sup>2</sup>	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
12x6 18x4	Eff. Area 0.300 ft <sup>2</sup>	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
10x8 14x6	Eff. Area 0.355 ft <sup>2</sup>	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
12x8 24x4	Eff. Area 0.425 ft <sup>2</sup>	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
10x10 18x6	Eff. Area 0.442 ft <sup>2</sup>	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
12x12 14x10	Eff. Area 0.638 ft <sup>2</sup>	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
14x12 20x8	Eff. Area 0.701 ft <sup>2</sup>	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
14x14 20x10	Eff. Area .885 ft <sup>2</sup>	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
18x12 26x8	Eff. Area .924 ft <sup>2</sup>	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
24x12 28x10	Eff. Area 1.30 ft <sup>2</sup>	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



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 <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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