



ENGINEERING DATA

Linear 1/2" RA Series

SIZE Width In.	Effective Area	Velocity	300	400	500	600	700	800	900	1000
		Duct Ps	.006	.032	.048	.070	.092	.120	.130	.140
1 1/2	.140 ft ²	CFM/ft	42	56	70	84	98	112	126	140
2	.162 ft ²	CFM/ft	48	65	80	95	112	130	145	162
2 1/2	.207 ft ²	CFM/ft	60	85	105	125	145	165	185	207
3	.243 ft ²	CFM/ft	75	100	120	145	170	195	220	243
3 1/2	.270 ft ²	CFM/ft	80	105	135	160	190	215	245	270
4	.297 ft ²	CFM/ft	90	120	150	180	210	240	270	297
5	.360 ft ²	CFM/ft	110	145	180	215	250	290	325	360
6	.414 ft ²	CFM/ft	125	165	210	250	290	330	370	414
8	.513 ft ²	CFM/ft	155	205	255	310	360	410	460	513
10	.612 ft ²	CFM/ft	185	245	305	370	430	490	550	612
12	.702 ft ²	CFM/ft	210	280	350	420	490	560	630	702
14	.787 ft ²	CFM/ft	235	310	395	470	550	625	705	787

Note: All Values in above table are per lineal foot.



ENGINEERING DATA

Linear 1/2" Supply Diffuser Series																										
Size Width	Velocity		300			400			500			600			700			800			900			1000		
	Duct Pt		.006			.010			.015			.021			.029			.038			.048			.065		
1 1/2	Eff. Area .053 ft ²	CFM/ft	16			21			27			32			37			42			48			53		
		NC	<20			<20			<20			20			25			25-30			30-35			35		
		Throw	3	3.5	4	4.5	5	5.5	5	5.5	6	6	7	8	7	8	9	8	9.5	11	8.5	10	12.5	9.5	12	14.5
2	Eff. Area .095 ft ²	CFM/ft	29			38			48			57			67			76			86			95		
		NC	<20			<20			<20			20			25			25-30			30-35			35		
		Throw	4	4.5	5	5.5	6	6.5	7	8	9	8	9.5	11	10	11.5	13	10.5	12.5	14.5	12	15	18	13	17	20
2 1/2	Eff. Area .116 ft ²	CFM/ft	35			46			58			70			81			93			104			116		
		NC	<20			<20			<20			20			25			25-30			30-35			35		
		Throw	5	5.5	6	6.5	7	7.5	8	9	10	8.5	10	11.5	10.5	12.5	14.5	11.5	13.5	16	13	17	20	14	18	22
3	Eff. Area .158 ft ²	CFM/ft	48			63			79			95			111			126			142			158		
		NC	<20			<20			<20			20			25			25-30			30-35			35		
		Throw	5.5	6	6.5	7	8	9	9.5	10.5	11.5	10.5	12.5	14.5	13	15	17	14	17	19	16	20	23	17	22	26
3 1/2	Eff. Area .185 ft ²	CFM/ft	55			74			92			110			142			147			166			184		
		NC	<20			<20			20			20			25			30			35			40		
		Throw	6.5	7	7.5	8	9	10	10.5	11.5	12.5	11.5	13.5	16	14	17	19	15	18	21	17	21	25	18	23	27
4	Eff. Area .221 ft ²	CFM/ft	66			88			111			133			155			177			199			221		
		NC	<20			<20			20			25			25			30			35			40		
		Throw	7	7.5	8.5	9.5	10.5	11.5	11.5	12.5	14	13	16	18	15	18	21	18	21	24	17	22	26	19	24	29
5	Eff. Area .289 ft ²	CFM/ft	87			116			145			173			202			231			260			289		
		NC	<20			<20			20			25			30			30-35			35-40			40		
		Throw	8	9	10	10.5	11.5	12.5	13.5	15	17	14	17	19	17	20	22	19	23	26	20	26	31	23	29	34
6	Eff. Area .352 ft ²	CFM/ft	106			141			176			211			246			282			317			352		
		NC	<20			<20			20			25			25-30			30			35-40			40		
		Throw	8.5	9.5	10.5	11.5	12.5	14	14	15.5	17	17	20	22	18	21	24	19	23	26	20	26	31	23	29	34
8	Eff. Area .483 ft ²	CFM/ft	145			193			242			290			338			386			435			483		
		NC	<20			<20			20			25			30			30-35			35-40			40		
		Throw	10.5	11.5	12.5	13.5	15	17	15	17	18	18	21	24	22	26	29	24	29	33	26	33	40	30	38	45
10	Eff. Area .609 ft ²	CFM/ft	183			244			305			365			426			487			548			609		
		NC	<20			20			25			25-30			30-35			30-35			40			45		
		Throw	11.5	12.5	14	15	17	18	19	21	23	20	24	28	24	29	33	28	33	38	30	38	45	32	41	49
12	Eff. Area .746 ft ²	CFM/ft	224			298			373			448			522			597			671			746		
		NC	<20			20			25			30			35			35-40			40			45		
		Throw	13.5	15	17	16	18	20	22	24	26	24	29	33	27	32	36	31	36	41	31	39	47	37	47	56
14	Eff. Area .888 ft ²	CFM/ft	266			355			444			533			622			710			799			888		
		NC	<20			20			25			30			35-40			40			45			45		
		Throw	16	18	20	20	23	25	24	27	30	26	30	35	29	35	40	32	38	43	36	45	54	42	53	63

Note: All Values in above table are per lineal foot.



ENGINEERING DATA

Linear 1/3" Return Air Grilles Series

SIZE	Width In.	Effective Area	Velocity	300	400	500	600	700	800	900	1000
			Duct Ps	.006	.032	.048	.070	.092	.120	.130	.140
1 1/2		.121 ft2	CFM/ft	36	48	61	73	85	97	108	120
2		.153 ft2	CFM/ft	46	61	77	92	107	122	138	153
2 1/2		.189 ft2	CFM/ft	57	76	95	113	132	151	170	189
3		.225 ft2	CFM/ft	68	90	112	135	158	180	203	225
3 1/2		.252 ft2	CFM/ft	76	100	126	151	176	202	227	252
4		.279 ft2	CFM/ft	84	112	140	166	195	222	250	279
5		.342 ft2	CFM/ft	103	137	171	205	240	275	305	342
6		.396 ft2	CFM/ft	119	158	198	240	275	315	355	396
8		.486 ft2	CFM/ft	146	195	245	290	340	388	440	486
10		.585 ft2	CFM/ft	175	235	290	350	410	470	525	585
12		.666 ft2	CFM/ft	200	265	330	440	465	530	600	666
14		.741 ft2	CFM/ft	220	300	370	445	520	590	665	741

Note: All Values in above table are per lineal foot.