

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300 .006 .029		400 .010 .051		500 .016 .080		600 .022 .116		700 .031 .157		800 .040 .205		900 .050 .260	
			A	B	A	B	A	B	A	B	A	B	A	B	A	B
9 x 6 .375 SQ. FT.	RETURN FACTORS —SP=1.2 TP NC + 0	CFM NC	110 —		150 14		185 20		225 25		260 29		300 33		335 37	
	4B	CFM/SIDE THROW, FT.	37 6-9-11	18 4-5-8	50 8-10-13	25 5-6-9	62 9-11-15	31 6-8-10	75 10-12-16	37 6-8-11	87 10-13-17	44 8-9-12	100 11-14-18	50 8-9-12	112 12-15-19	56 9-10-13
	3A1	CFM/SIDE THROW, FT.	47 8-9-12	18 4-5-8	62 9-10-14	25 5-6-9	78 10-11-16	31 6-8-10	94 11-12-17	37 6-8-11	109 12-13-18	44 8-9-12	125 12-14-19	50 8-9-12	140 13-15-22	56 9-10-13
	3A2	CFM/SIDE THROW, FT.	42 6-9-11	35 5-6-10	55 8-10-13	47 6-8-11	70 9-11-15	58 8-9-12	84 10-12-16	70 8-10-13	98 10-13-17	82 9-10-14	112 11-14-18	94 9-11-15	126 12-15-19	105 10-12-16
	2A 2B	CFM/SIDE THROW, FT.	56 9-11-14		75 10-12-16		93 11-14-18		112 12-15-19		131 13-16-22		150 14-17-22		168 15-18-24	
	2C 2E	CFM/SIDE THROW, FT.	75 9-11-15	37 6-9-11	100 10-12-17	50 8-10-13	125 11-14-19	62 9-11-15	150 12-15-22	75 10-12-16	175 13-16-22	87 10-13-19	200 14-17-24	100 11-14-18	225 15-18-25	112 12-15-19
	1A 1B	CFM/SIDE THROW, FT.	112 11-13-18		150 13-15-22		187 15-17-24		225 16-18-26		262 17-19-28		300 18-22-30		337 19-22-32	
12 x 6 .50 SQ. FT.	RETURN FACTORS —SP=1.6 TP NC + 1	CFM NC	150 —		200 14		250 20		300 26		350 31		400 35		450 39	
	4B	CFM/SIDE THROW, FT.	56 9-11-14	18 4-5-8	75 10-12-16	25 5-6-9	94 11-14-18	31 6-8-10	113 12-15-19	37 6-8-11	131 13-16-22	44 8-9-12	150 14-17-22	50 8-9-12	169 15-18-24	56 9-10-13
	3A1	CFM/SIDE THROW, FT.	66 9-11-15	18 4-5-8	87 10-12-17	25 5-6-9	109 11-14-19	31 6-8-10	131 12-15-22	37 6-8-11	153 13-16-22	44 8-9-12	175 14-17-24	50 8-9-12	197 15-18-25	56 9-10-13
	3B	CFM/SIDE THROW, FT.	75 6-9-11	37 6-9-11	100 8-10-13	50 8-10-13	126 9-11-15	62 9-11-15	150 10-12-16	75 10-12-16	176 10-13-17	87 10-13-17	200 11-14-18	100 11-14-18	226 12-15-19	112 12-15-19
	2A 2B	CFM/SIDE THROW, FT.	75 9-11-15		100 10-12-17		125 11-14-19		150 12-15-22		175 13-16-22		200 14-17-24		225 15-18-25	
	2C 2E	CFM/SIDE THROW, FT.	112 11-13-18	37 6-9-11	150 13-15-22	50 8-10-13	188 15-17-24	62 9-11-15	225 16-18-26	75 10-12-16	263 17-19-28	87 10-13-17	300 18-22-30	100 11-14-18	338 19-22-32	112 12-15-19
	1A 1B	CFM/SIDE THROW, FT.	150 11-13-18		200 13-15-22		250 15-17-24		300 16-18-26		350 17-19-28		400 18-22-30		450 19-22-32	
15 x 6 .625 SQ. FT.	RETURN FACTORS —SP=1.9 TP NC + 1	CFM NC	190 —		250 15		310 21		375 27		440 32		500 36		565 40	
	4B	CFM/SIDE THROW, FT.	75 9-11-15	18 4-5-8	100 10-12-17	25 5-6-9	125 11-14-19	31 6-8-10	150 12-15-22	37 6-8-11	175 13-16-22	44 8-9-12	200 14-17-24	50 8-9-12	225 15-18-25	56 9-10-13
	4E	CFM/SIDE THROW, FT.	56 9-11-14	37 8-9-12	75 10-12-16	50 9-10-14	94 11-14-18	62 10-11-16	113 12-15-19	75 11-12-17	131 13-16-22	87 12-13-18	150 14-17-22	100 12-14-19	169 15-18-24	112 13-15-22
	3A1	CFM/SIDE THROW, FT.	84 10-11-16	18 4-5-8	112 11-13-18	25 5-6-9	140 12-15-20	31 6-8-10	169 13-16-22	37 6-8-11	197 14-17-23	44 8-9-12	225 15-18-25	50 8-9-12	253 16-19-28	56 9-10-13
	2A 2B	CFM/SIDE THROW, FT.	94 10-12-17		125 11-14-19		156 12-16-22		187 13-17-23		219 14-18-25		250 15-19-26		281 16-22-29	
	2C 2E	CFM/SIDE THROW, FT.	150 11-13-18	37 6-9-11	200 13-15-22	50 8-10-13	250 15-17-24	62 9-11-15	300 16-18-26	75 10-12-16	350 17-19-28	87 10-13-17	400 18-22-30	100 11-14-18	450 19-22-32	112 12-15-19
	1A 1B	CFM/SIDE THROW, FT.	188 12-15-20		250 14-17-23		312 16-19-26		375 17-22-29		438 18-22-31		500 19-24-33		563 22-25-35	

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: A x .82 = B.

For performance notes, see page D63.

D
CEILING DIFFUSERS

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300 .006 .029		400 .010 .051		500 .016 .080		600 .022 .116		700 .031 .157		800 .040 .205		900 .050 .260	
			A	B	A	B	A	B	A	B	A	B	A	B	A	B
18 x 6 .75 SQ. FT.	RETURN FACTORS —SP=2.6 TP NC + 2	CFM NC	225 —		300 16		375 22		450 28		525 33		600 37		675 41	
	4B 4C	CFM/SIDE THROW, FT.	94	18	125	25	156	31	188	37	218	44	250	50	281	56
	4E	CFM/SIDE THROW, FT.	56	56	75	75	94	94	113	113	131	131	150	150	169	169
	3A1	CFM/SIDE THROW, FT.	103	18	137	25	172	31	206	37	240	44	275	50	309	56
	2A 2B	CFM/SIDE THROW, FT.	112		150		187		225		262		300		337	
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	187	37	250	50	313	62	375	75	438	87	500	100	563	112
	1A 1B	CFM/SIDE THROW, FT.	225		300		375		450		525		600		675	
21 x 6 .875 SQ. FT.	RETURN FACTORS —SP=3.2 TP NC + 3	CFM NC	260 —		350 16		435 22		525 29		610 33		700 38		785 41	
	4B 4C	CFM/SIDE THROW, FT.	112	18	150	25	187	31	225	37	262	44	300	50	337	56
	4E	CFM/SIDE THROW, FT.	75	56	100	75	125	94	150	113	175	131	200	150	225	169
	3A1	CFM/SIDE THROW, FT.	122	18	162	25	203	31	244	37	284	44	325	50	365	56
	2A 2B	CFM/SIDE THROW, FT.	131		175		218		262		306		350		393	
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	225	37	300	50	375	62	450	75	525	87	600	100	675	112
	1A 1B	CFM/SIDE THROW, FT.	262		350		437		525		612		700		787	
24 x 6 1.0 SQ. FT.	RETURN FACTORS —SP=3.9 TP NC + 4	CFM NC	300 —		400 16		500 23		600 30		700 34		800 39		900 42	
	4B 4C	CFM/SIDE THROW, FT.	131	18	175	25	219	31	263	37	306	44	350	50	394	56
	4E	CFM/SIDE THROW, FT.	75	75	100	100	125	125	150	150	175	175	200	200	225	225
	3A1	CFM/SIDE THROW, FT.	141	18	187	25	234	31	281	37	328	44	375	50	422	56
	2A 2B	CFM/SIDE THROW, FT.	150		200		250		300		350		400		450	
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	260	37	350	50	438	62	525	75	613	87	700	100	788	112
	1A 1B	CFM/SIDE THROW, FT.	300		400		500		600		700		800		900	

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			CFM NC	A	B	A	B	A	B	A	B	A	B	A	B	A	B						
30 x 6 1.25 SQ. FT.	RETURN FACTORS —SP=3.2 TP NC + 3	CFM NC	375 —		500 17		625 24		750 30		875 35		1000 40		1125 43								
	4B 4C	CFM/SIDE THROW, FT.	169 18	12-15-20	4-5-8	225 25	14-17-23	5-6-9	281 31	16-19-26	6-8-10	338 37	17-22-29	6-8-11	393 44	18-22-31	8-9-12	450 50	19-24-33	8-9-12	506 56	21-25-35	9-10-13
	4E	CFM/SIDE THROW, FT.	94 94	10-12-17	10-12-17	125 125	11-14-19	11-14-19	156 156	12-16-22	12-16-22	188 188	13-17-23	13-17-23	219 219	14-18-25	14-18-25	250 250	15-19-26	15-19-26	282 282	16-22-29	16-22-29
	3A1	CFM/SIDE THROW, FT.	178 18	12-15-20	4-5-8	237 25	14-17-23	5-6-9	297 31	16-19-26	6-8-10	356 37	17-22-29	6-8-11	415 44	18-22-31	8-9-12	475 50	19-24-33	8-9-12	534 56	21-25-35	9-10-13
	2A 2B	CFM/SIDE THROW, FT.	187	12-15-20		250	14-17-23		312	16-19-26		375	17-22-29		437	18-22-31		500	19-24-33		562	21-25-35	
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	337 37	14-17-24	6-9-11	450 50	16-19-28	8-10-13	563 62	18-22-32	9-11-15	675 75	19-23-34	10-12-16	788 87	22-25-36	10-13-17	900 100	22-26-39	11-14-18	1013 112	24-29-41	12-15-19
1A 1B	CFM/SIDE THROW, FT.	375	15-18-25		500	17-22-30		625	19-24-34		750	22-26-36		875	22-28-39		1000	24-30-42		1125	25-32-44		
12 x 9 .75 SQ. FT.	RETURN FACTORS —SP=3.9 TP NC + 4	CFM NC	225 —		300 17		375 23		450 28		525 33		600 36		675 40								
	4B 4C	CFM/SIDE THROW, FT.	70 42	8-10-13	5-6-10	94 56	9-11-15	6-8-11	117 70	10-12-17	8-10-13	141 84	11-13-18	8-10-13	164 98	12-14-19	9-10-14	188 112	12-15-22	9-11-15	211 126	13-16-22	10-12-16
	3A1	CFM/SIDE THROW, FT.	91 42	10-12-17	5-6-10	121 56	11-14-19	6-8-11	152 70	12-16-22	8-9-12	183 84	13-17-23	8-10-13	213 98	14-18-25	9-10-14	244 112	15-19-26	9-11-15	274 126	16-22-29	10-12-16
	3A2	CFM/SIDE THROW, FT.	75 75	9-11-14	9-11-14	100 100	10-12-16	10-12-16	125 125	11-14-18	11-14-18	150 150	12-15-19	12-15-19	175 175	13-16-22	13-16-22	200 200	14-17-22	14-17-22	225 225	15-18-24	15-18-24
	2A 2B	CFM/SIDE THROW, FT.	112	11-13-18		150	13-15-22		187	15-17-24		225	16-18-26		262	17-19-28		300	18-22-30		337	19-22-32	
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	141 84	11-13-18	9-11-14	188 112	13-15-22	10-12-16	234 141	15-17-24	11-14-18	281 169	16-18-26	12-15-19	328 197	17-19-28	13-16-22	375 225	18-22-30	14-17-22	422 253	19-22-32	15-18-24
1A 1B	CFM/SIDE THROW, FT.	225	13-16-22		300	15-18-25		375	17-20-29		450	18-22-32		525	19-23-34		600	22-25-36		675	22-28-38		
15 x 9 .93 SQ. FT.	RETURN FACTORS —SP=1.7 TP NC + 3	CFM NC	280 —		375 18		470 24		565 29		655 34		750 37		845 41								
	4B 4C	CFM/SIDE THROW, FT.	98 42	10-12-17	5-6-10	131 56	11-14-19	6-8-11	165 70	12-16-22	8-9-12	198 84	13-17-23	8-10-13	230 98	14-18-25	9-10-14	263 112	15-19-26	9-11-15	296 126	16-22-29	10-12-16
	4E	CFM/SIDE THROW, FT.	70 70	9-11-15	9-11-15	94 94	10-12-17	10-12-17	117 117	11-14-19	11-14-19	141 141	12-15-22	12-15-22	164 164	13-16-22	13-16-22	188 188	14-17-24	14-17-24	211 211	15-18-25	15-18-25
	3A1	CFM/SIDE THROW, FT.	120 42	11-13-18	5-6-10	159 56	13-15-22	6-8-11	200 70	15-17-24	8-9-12	240 84	16-18-26	8-10-13	279 98	17-19-28	9-10-14	319 112	18-22-30	9-11-15	359 126	19-22-32	10-12-16
	3A2	CFM/SIDE THROW, FT.	117 82	10-11-16	8-10-13	155 110	11-13-18	9-11-15	196 137	12-15-20	10-12-17	233 165	13-16-22	11-13-18	272 192	14-17-23	12-14-19	312 219	15-18-25	12-15-22	351 247	16-19-28	13-16-22
	2A 2B	CFM/SIDE THROW, FT.	140	11-13-18		187	13-15-22		235	15-17-24		281	16-18-26		328	17-19-28		375	18-22-30		422	19-22-32	
2C 2E 2D 2F	CFM/SIDE THROW, FT.	197 84	12-15-20	9-11-14	263 112	14-17-23	10-12-16	329 141	16-19-26	11-14-18	394 169	17-22-29	12-15-19	459 197	18-22-31	13-16-22	525 225	19-24-33	14-17-22	592 253	22-25-35	15-18-24	
1A 1B	CFM/SIDE THROW, FT.	281	14-17-24		375	16-19-28		470	18-22-32		563	19-23-34		656	22-25-36		750	22-26-39		845	24-29-41		

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: $A \times .82 = B$.

For performance notes, see page D63.

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NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300	400	500	600	700	800	900
			.006 .029	.010 .051	.016 .080	.022 .116	.031 .157	.040 .205	.050 .260
18 x 9 1.125 SQ. FT.	RETURN FACTORS —SP=2.1 TP NC + 3	CFM NC	335	450	560	675	790	900	1010
			A B	A B	A B	A B	A B	A B	A B
	4B 4C	CFM/SIDE THROW, FT.	126 42	169 56	211 70	254 84	296 98	338 112	380 126
	4E	CFM/SIDE THROW, FT.	99 70	132 94	164 117	197 141	230 164	263 188	296 211
	3A1	CFM/SIDE THROW, FT.	147 42	197 56	246 70	295 84	345 98	394 112	443 126
	3B	CFM/SIDE THROW, FT.	168 84	225 112	281 141	337 169	394 197	450 225	506 253
	2A 2B	CFM/SIDE THROW, FT.	163	225	281	337	394	450	506
21 x 9 1.125 SQ. FT.	RETURN FACTORS —SP=2.5 TP NC + 4	CFM NC	395	525	655	785	915	1050	1180
			A B	A B	A B	A B	A B	A B	A B
	4B 4C	CFM/SIDE THROW, FT.	154 42	206 56	258 70	309 84	360 98	413 112	464 126
	4E	CFM/SIDE THROW, FT.	98 98	131 131	163 163	196 196	229 229	261 261	294 294
	3A1	CFM/SIDE THROW, FT.	175 42	234 56	292 70	351 84	410 98	468 112	527 126
	2A 2B	CFM/SIDE THROW, FT.	196	262	327	393	458	525	590
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	308 84	412 112	514 141	617 169	720 197	825 225	927 253
24 x 9 1.5 SQ. FT.	RETURN FACTORS —SP=2.9 TP NC + 4	CFM NC	450	600	750	900	1050	1200	1350
			A B	A B	A B	A B	A B	A B	A B
	4B 4C	CFM/SIDE THROW, FT.	183 42	244 56	305 70	366 84	427 98	488 112	549 126
	4E	CFM/SIDE THROW, FT.	126 99	169 132	211 164	253 197	295 230	337 263	379 296
	3A1	CFM/SIDE THROW, FT.	204 42	272 56	340 70	408 84	476 98	544 112	612 126
	2A 2B	CFM/SIDE THROW, FT.	225	300	375	450	525	600	675
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	365 84	488 112	609 141	731 169	853 197	975 225	1097 253
1A 1B	CFM/SIDE THROW, FT.	450	600	750	900	1050	1200	1350	

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			CFM NC	560 —	750 20	935 26	1125 32	1310 37	1500 39	1685 44	A	B	A	B	A	B
30 x 9 1.875 SQ. FT.	RETURN FACTORS —SP=3.9 TP NC + 5	CFM NC	560 —		750 20		935 26		1125 32		1310 37		1500 39		1685 44	
	4B 4C	CFM/SIDE THROW, FT.	238 42	13-16-22 5-6-10	319 56	15-18-25 6-8-11	398 70	17-20-29 8-9-12	478 84	18-22-32 8-10-13	557 98	19-23-34 9-10-14	638 112	22-25-36 9-11-15	716 126	22-28-38 10-12-16
	4E	CFM/SIDE THROW, FT.	155 126	12-15-20 11-13-18	206 169	14-17-23 13-15-22	258 211	16-19-26 15-17-24	310 253	17-22-29 16-18-26	361 295	18-22-30 17-19-28	413 337	19-24-33 18-22-30	465 379	22-25-35 19-22-32
	3A1	CFM/SIDE THROW, FT.	259 42	13-16-22 5-6-10	347 56	15-18-25 6-8-11	433 70	17-20-29 8-9-12	520 84	18-22-32 8-10-13	606 98	19-23-34 9-10-14	694 112	22-25-36 9-11-15	779 126	22-28-38 10-12-16
	2A 2B	CFM/SIDE THROW, FT.	281	14-17-24	375	16-19-28	468	18-22-32	562	19-23-34	655	22-25-36	750	22-26-39	842	24-29-41
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	476 84	16-19-28 9-11-14	638 112	18-22-32 10-12-16	796 141	20-25-36 11-14-18	956 169	22-28-39 12-15-19	1113 197	23-30-42 13-16-22	1275 225	25-32-44 14-17-22	1432 253	28-34-47 15-18-24
1A 1B	CFM/SIDE THROW, FT.	562	16-19-28	750	18-22-32	937	20-25-36	1125	22-28-39	1310	23-30-42	1500	25-32-44	1685	28-34-47	
36 x 9 2.25 SQ. FT.	RETURN FACTORS —SP=5.0 TP NC + 6	CFM NC	675 —		900 21		1125 27		1350 33		1575 38		1800 40		2025 44	
	4B 4C	CFM/SIDE THROW, FT.	295 42	14-17-24 5-6-10	394 56	16-19-28 6-8-11	492 70	18-22-32 8-9-12	591 84	19-23-34 8-10-13	689 98	22-25-36 9-10-14	788 112	24-29-41 10-12-16	886 126	24-29-41 10-12-16
	4E	CFM/SIDE THROW, FT.	183 155	12-15-20 12-15-20	244 206	14-17-23 14-17-23	305 258	16-19-26 16-19-26	366 310	17-22-29 17-22-29	427 361	18-22-31 18-22-31	488 413	19-24-33 19-24-33	549 465	22-25-35 22-25-35
	3A1	CFM/SIDE THROW, FT.	316 42	14-17-24 5-6-10	422 56	16-19-28 6-8-11	527 70	18-22-32 8-9-12	633 84	19-23-34 8-10-13	738 98	22-25-36 9-10-14	844 112	24-29-41 10-12-16	949 126	24-29-41 10-12-16
	2A 2B	CFM/SIDE THROW, FT.	337	14-17-24	450	16-19-28	562	18-22-32	675	19-23-34	787	22-25-36	900	22-26-39	1012	24-29-41
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	590 84	17-22-30 9-11-14	788 112	20-24-34 10-12-16	984 141	23-28-39 11-14-18	1181 169	24-30-41 12-15-19	1378 197	26-32-44 13-16-22	1575 225	29-35-47 14-17-22	1772 253	31-37-50 15-18-24
1A 1B	CFM/SIDE THROW, FT.	675	17-22-30	900	20-24-34	1125	23-28-39	1350	24-30-41	1575	26-32-44	1800	29-35-47	2025	31-37-50	
15 x 12 1.25 SQ. FT.	RETURN FACTORS —SP=1.6 TP NC + 2	CFM NC	375 —		500 19		625 25		750 30		875 34		1000 38		1125 41	
	4B 4C	CFM/SIDE THROW, FT.	112 75	9-11-15 6-9-11	150 100	10-12-17 8-10-13	187 125	11-14-19 9-11-15	225 150	12-15-22 10-12-16	262 175	13-16-22 10-13-17	300 200	14-17-24 11-14-18	337 225	15-18-25 12-15-19
	3A1	CFM/SIDE THROW, FT.	150 75	11-13-18 6-9-11	200 100	13-15-22 8-10-13	250 125	15-17-24 9-11-15	300 150	16-18-26 10-12-16	350 175	17-19-28 10-13-17	400 200	18-22-30 11-14-18	450 225	19-22-32 12-15-19
	3A2	CFM/SIDE THROW, FT.	117 129	8-10-13 10-11-16	156 172	9-11-15 11-13-18	195 215	10-12-17 12-15-20	234 258	11-13-18 13-16-22	273 301	12-14-19 14-17-23	312 344	12-15-22 15-18-25	351 387	13-16-22 16-19-28
	2A 2B	CFM/SIDE THROW, FT.	187	12-15-20	250	14-17-23	312	16-19-26	375	17-22-29	437	18-22-31	500	19-24-33	567	22-25-35
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	225 150	13-16-22 10-12-17	300 200	15-18-25 11-14-19	375 250	17-20-29 12-16-22	450 300	18-22-32 13-17-23	525 350	19-23-34 14-18-25	600 400	22-25-36 15-19-26	675 450	22-28-38 16-22-29
1A 1B	CFM/SIDE THROW, FT.	375	15-18-25	500	17-22-30	625	19-24-34	750	22-26-36	875	22-28-39	1000	24-30-42	1125	25-32-44	

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: A x .82 = B.

For performance notes, see page D63.

D
CEILING DIFFUSERS

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300	400	500	600	700	800	900
			.006 .029	.010 .051	.016 .080	.022 .116	.031 .157	.040 .205	.050 .260
18 x 12 1.5 SQ. FT.	RETURN FACTORS —SP=1.9 TP NC + 3	CFM NC	450	600	750	900	1050	1200	1350
			A B	A B	A B	A B	A B	A B	A B
	4B 4C	CFM/SIDE THROW, FT.	150 75 11-13-18 6-9-11	200 100 13-15-22 8-10-13	250 125 15-17-24 9-11-15	300 150 16-18-26 10-12-16	350 175 17-19-28 10-13-17	400 200 18-22-30 11-14-18	450 225 19-22-32 12-15-19
	3A1	CFM/SIDE THROW, FT.	187 75 12-15-20 6-9-11	250 100 14-17-23 8-10-13	312 125 16-19-26 9-11-15	375 150 17-22-29 10-12-16	437 175 18-22-31 10-13-17	500 200 19-24-33 11-14-18	562 225 22-25-35 12-15-1
	3A2	CFM/SIDE THROW, FT.	168 141 10-12-17 9-11-15	225 187 11-14-19 10-12-17	281 234 12-16-22 11-14-19	337 281 13-17-23 12-15-22	394 328 14-18-25 13-16-22	450 375 15-19-26 14-17-24	506 422 16-22-29 15-18-25
	2A 2B	CFM/SIDE THROW, FT.	225 13-16-22	300 15-18-25	375 17-20-29	450 18-22-32	525 19-23-34	600 22-25-36	675 22-28-38
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	300 150 14-17-24 10-12-17	400 200 16-19-28 11-14-19	500 250 18-22-32 12-16-22	600 300 19-23-34 13-17-23	700 350 22-25-36 14-18-25	800 400 22-26-39 15-19-26	900 450 24-29-41 16-22-29
1A 1B	CFM/SIDE THROW, FT.	450 15-18-25	600 17-22-30	750 19-24-34	900 22-26-36	1050 22-28-39	1200 24-30-42	1350 25-32-44	
21 x 12 1.75 SQ. FT.	RETURN FACTORS —SP=2.2 TP NC + 5	CFM NC	525	700	875	1050	1225	1400	1575
			A B	A B	A B	A B	A B	A B	A B
	4B 4C	CFM/SIDE THROW, FT.	187 75 12-15-20 6-9-11	250 100 14-17-23 8-10-13	312 125 16-19-26 9-11-15	375 150 17-22-29 10-12-16	437 175 18-22-31 10-13-17	500 200 19-24-33 11-14-18	562 225 22-25-35 12-15-19
	4E	CFM/SIDE THROW, FT.	150 112 11-13-18 11-13-18	200 150 13-15-22 13-15-22	250 187 15-17-24 15-17-24	300 225 16-18-26 16-18-26	350 262 17-19-28 17-19-28	400 300 18-22-30 18-22-30	450 337 19-22-32 19-22-32
	3A1	CFM/SIDE THROW, FT.	225 75 13-16-22 6-9-11	300 100 15-18-25 8-10-13	375 125 17-20-29 9-11-15	450 150 18-22-32 10-12-16	525 175 19-23-34 10-13-17	600 200 22-25-36 11-14-18	675 225 22-28-38 12-15-19
	3A2	CFM/SIDE THROW, FT.	148 230 10-12-17 10-12-17	197 306 11-14-19 11-14-19	246 382 12-16-22 12-16-22	295 460 13-17-23 13-17-23	345 535 14-18-25 14-18-25	394 612 15-19-26 15-19-26	443 688 16-22-29 16-22-29
	2A 2B	CFM/SIDE THROW, FT.	262 13-16-22	350 15-18-25	437 17-20-29	525 18-22-32	612 19-23-34	700 22-25-36	787 22-28-38
2C 2E 2D 2F	CFM/SIDE THROW, FT.	375 150 15-18-25 10-12-17	500 200 17-22-30 11-14-19	625 250 19-24-34 12-16-22	750 300 22-26-36 13-17-23	875 350 22-28-39 14-18-25	1000 400 24-30-42 15-19-26	1125 450 25-32-44 16-22-29	
1A 1B	CFM/SIDE THROW, FT.	525 16-19-28	700 18-22-32	875 20-25-36	1050 22-28-39	1225 23-30-42	1400 25-32-44	1575 28-34-47	
24 x 12 2.0 SQ. FT.	RETURN FACTORS —SP=2.6 TP NC + 5	CFM NC	600	800	1000	1200	1400	1600	1800
			A B	A B	A B	A B	A B	A B	A B
	4B 4C	CFM/SIDE THROW, FT.	225 75 13-16-22 6-9-11	300 100 15-18-25 8-10-13	375 125 17-20-29 9-11-15	450 150 18-22-32 10-12-16	525 175 19-23-34 10-13-17	600 200 22-25-36 11-14-18	675 225 22-28-38 12-15-19
	4E	CFM/SIDE THROW, FT.	150 150 11-13-18 11-13-18	200 200 13-15-22 13-15-22	250 250 15-17-24 15-17-24	300 300 16-18-26 16-18-26	350 350 17-19-28 17-19-28	400 400 18-22-30 18-22-30	450 450 19-22-32 19-22-32
	3A1	CFM/SIDE THROW, FT.	262 75 13-16-22 6-9-11	350 100 15-18-25 8-10-13	437 175 17-20-29 9-11-15	525 150 18-22-32 10-12-16	612 175 19-23-34 10-13-17	700 200 22-25-36 11-14-18	787 225 22-28-38 12-15-19
	3B	CFM/SIDE THROW, FT.	300 150 11-13-18 10-12-17	400 200 13-15-22 11-14-19	500 250 15-17-24 12-16-22	600 300 16-18-26 13-17-23	700 350 17-19-28 14-18-25	800 400 18-22-30 15-19-26	900 450 19-22-32 16-22-29
	2A 2B	CFM/SIDE THROW, FT.	300 14-17-24	400 16-19-28	500 18-22-32	600 19-23-34	700 22-25-36	800 22-26-39	900 24-29-41
2C 2E 2D 2F	CFM/SIDE THROW, FT.	450 150 15-18-25 10-12-17	600 200 17-22-30 11-14-19	750 250 19-24-34 12-16-22	900 300 22-26-36 13-17-23	1050 350 22-28-39 14-18-25	1200 400 24-30-42 15-19-26	1350 450 25-32-44 16-22-29	
1A 1B	CFM/SIDE THROW, FT.	600 17-22-30	800 20-24-34	1000 23-28-39	1200 24-30-41	1400 26-32-44	1600 29-35-47	1800 31-37-50	

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: A x .82 = B.

For performance notes, see page D63.

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300 .006 .029		400 .010 .051		500 .016 .080		600 .022 .116		700 .031 .157		800 .040 .205		900 .050 .260		
			CFM NC	A	B	A	B	A	B	A	B	A	B	A	B	A	B
30 x 12 2.5 SQ. FT.	RETURN FACTORS —SP=3.3 TP NC + 6	CFM NC	750 15		1000 23		1250 29		1500 33		1750 37		2000 41		2250 43		
	4B	CFM/SIDE THROW, FT.	300 75	400 100	500 125	600 150	700 175	800 200	900 225								
	4C	CFM/SIDE THROW, FT.	183 183	250 250	313 313	375 375	437 437	500 500	562 562	625 625	687 687	750 750	812 812	875 875	937 937	1000 1000	1062 1062
	4E	CFM/SIDE THROW, FT.	14-17-24 6-9-11	16-19-28 8-10-13	18-22-32 9-11-15	19-23-34 10-12-16	21-25-36 10-13-17	22-26-39 11-14-18	24-29-41 12-15-19								
	3A1	CFM/SIDE THROW, FT.	12-15-20 12-15-20	14-17-23 14-17-23	16-19-26 16-19-26	17-22-29 17-22-29	18-22-31 18-22-31	19-24-33 19-24-33	22-25-35 22-25-35								
	2A 2B	CFM/SIDE THROW, FT.	337 75	450 100	562 125	675 150	787 175	900 200	1012 225								
36 x 12 3.0 SQ. FT.	RETURN FACTORS —SP=4.0 TP NC + 7	CFM NC	900 16		1200 25		1500 30		1800 34		2100 38		2400 42		2700 44		
	4B	CFM/SIDE THROW, FT.	375 75	500 100	625 125	750 150	875 175	1000 200	1125 225								
	4C	CFM/SIDE THROW, FT.	225 225	300 300	375 375	450 450	525 525	600 600	675 675	750 750	825 825	900 900	975 975	1050 1050	1125 1125	1200 1200	1275 1275
	4E	CFM/SIDE THROW, FT.	13-16-22 13-16-22	15-18-25 15-18-25	17-20-29 17-20-29	18-22-32 18-22-32	19-23-34 19-23-34	22-25-36 22-25-36	22-28-39 22-28-39	24-30-42 24-30-42	25-32-44 25-32-44	26-34-46 26-34-46	28-34-47 28-34-47	30-36-50 30-36-50	32-38-53 32-38-53	34-41-57 34-41-57	36-43-61 36-43-61
	3A1	CFM/SIDE THROW, FT.	15-18-25 6-9-11	17-22-30 8-10-13	19-24-34 9-11-15	22-26-36 10-12-16	22-28-39 10-13-17	24-30-42 11-14-18	25-32-44 12-15-19								
	2A 2B	CFM/SIDE THROW, FT.	412 75	550 100	687 125	825 150	962 175	1100 200	1237 225								
18 x 15 1.875 SQ. FT.	RETURN FACTORS —SP=2.0 TP NC + 4	CFM NC	560 14		750 21		935 28		1125 32		1310 36		1500 39		1685 43		
	4B	CFM/SIDE THROW, FT.	164 117	219 156	273 195	328 234	383 273	438 312	492 351								
	4C	CFM/SIDE THROW, FT.	222 117	297 156	371 195	445 234	519 273	594 312	668 351								
	3A1	CFM/SIDE THROW, FT.	13-16-22 8-10-13	15-18-25 9-11-15	17-20-29 10-12-17	18-22-32 11-13-18	19-23-34 12-14-19	22-25-36 12-15-22	22-28-38 13-16-22								
	3A2	CFM/SIDE THROW, FT.	168 197	225 262	281 328	337 394	394 459	450 525	506 590								
	2A 2B	CFM/SIDE THROW, FT.	9-11-15 12-15-20	10-12-17 14-17-23	11-14-19 16-19-26	12-15-22 17-22-29	13-16-22 18-22-31	14-17-24 19-24-33	15-18-25 22-25-35								

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: A x .82 = B.

For performance notes, see page D63.

D

CEILING DIFFUSERS

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300		400		500		600		700		800		900	
			.006 .029		.010 .051		.016 .080		.022 .116		.031 .157		.040 .205		.050 .260	
21 x 15 2.185 SQ. FT.	RETURN FACTORS —SP=2.1 TP NC + 5	CFM NC	655 12		875 21		1090 28		1310 33		1530 36		1750 39		1970 43	
	4B 4C	CFM/SIDE THROW, FT.	210 13-16-22	117 8-10-13	281 15-18-25	156 9-11-15	361 17-20-29	195 10-12-17	422 18-22-32	234 11-13-18	493 19-23-34	273 12-14-19	563 22-25-36	312 12-15-22	634 22-28-38	351 13-16-22
	4E	CFM/SIDE THROW, FT.	164 12-15-20	164 12-15-20	218 14-17-24	218 14-17-24	273 16-19-26	273 16-19-26	327 17-22-29	327 17-22-29	382 18-22-31	382 18-22-31	437 19-24-33	437 19-24-33	491 22-25-35	491 22-25-35
	3A1	CFM/SIDE THROW, FT.	269 13-16-22	117 8-10-13	359 15-18-25	156 9-11-15	448 17-20-29	195 10-12-17	539 18-22-32	234 11-13-18	629 19-23-34	273 12-14-19	719 22-25-36	312 12-15-22	809 22-28-38	351 13-16-22
	3A2	CFM/SIDE THROW, FT.	230 11-13-18	213 10-12-17	306 13-15-22	284 11-14-19	382 15-17-24	355 12-16-22	460 16-18-26	426 13-17-23	535 17-19-28	498 14-18-25	612 18-22-30	569 15-19-26	688 19-22-32	641 16-22-29
	2A 2B	CFM/SIDE THROW, FT.	327 14-17-24		437 16-19-28		596 18-22-32		656 19-23-34		766 22-25-36		875 22-26-39		985 24-29-41	
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	422 15-18-25	234 12-15-20	563 17-22-30	312 14-17-23	702 19-24-34	390 16-19-26	844 22-26-36	468 17-22-29	966 22-28-39	546 18-22-31	1126 24-30-42	624 19-24-33	1268 25-32-44	702 22-25-35
	1A 1B	CFM/SIDE THROW, FT.	655 17-22-30		875 20-24-34		1092 23-28-39		1312 24-30-41		1532 26-32-44		1750 29-35-47		1970 31-37-50	
24 x 15 2.5 SQ. FT.	RETURN FACTORS —SP=2.6 TP NC + 6	CFM NC	750 14		1000 22		1250 29		1500 34		1750 37		2000 39		2250 44	
	4B 4C	CFM/SIDE THROW, FT.	258 13-16-22	117 8-10-13	344 15-18-25	156 9-11-15	430 17-20-29	195 10-12-17	516 18-22-32	234 11-13-18	602 19-23-34	273 12-14-19	688 22-25-36	312 12-15-22	774 22-28-38	351 13-16-22
	4E	CFM/SIDE THROW, FT.	211 13-16-22	164 12-15-20	281 15-18-25	218 14-17-24	352 17-20-29	273 16-19-26	422 18-22-32	327 17-22-29	492 19-23-34	382 18-22-31	563 22-25-36	437 19-24-33	633 22-28-38	491 22-25-35
	3A1	CFM/SIDE THROW, FT.	316 14-17-24	117 8-10-13	422 16-19-28	156 9-11-15	527 18-22-32	195 10-12-17	633 19-23-34	234 11-13-18	738 22-25-36	273 12-14-19	844 22-26-39	312 12-15-22	949 24-29-41	351 13-16-22
	3A2	CFM/SIDE THROW, FT.	300 13-16-22	225 11-13-18	400 15-18-25	300 13-15-22	500 17-20-29	375 15-17-24	600 18-22-32	450 16-18-26	700 19-23-34	525 17-19-28	800 22-25-36	600 18-22-30	900 22-28-38	675 19-22-32
	2A 2B	CFM/SIDE THROW, FT.	375 15-18-25		500 17-22-30		625 19-24-34		750 22-26-36		875 22-28-39		1000 24-30-42		1125 25-32-44	
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	516 16-19-28	234 12-15-20	688 18-22-32	312 14-17-23	860 20-25-36	390 16-19-26	1032 22-28-39	468 17-22-29	1204 23-30-42	546 18-22-31	1376 25-32-44	624 19-24-33	1548 28-34-47	702 22-25-35
	1A 1B	CFM/SIDE THROW, FT.	750 18-22-32		1000 22-25-36		1250 24-29-41		1500 26-32-44		1750 28-34-47		2000 30-36-50		2250 32-38-53	
30 x 15 3.125 SQ. FT.	RETURN FACTORS —SP=3.1 TP NC + 7	CFM NC	935 14		1250 23		1565 30		1875 36		2190 39		2500 40		2810 45	
	4B 4C	CFM/SIDE THROW, FT.	351 14-17-24	117 8-10-13	469 16-19-28	156 9-11-15	587 18-22-32	195 10-12-17	703 19-23-34	234 11-13-18	822 22-25-36	273 12-14-19	938 22-26-39	312 12-15-22	1054 24-29-41	351 13-16-22
	4E	CFM/SIDE THROW, FT.	258 13-16-22	211 13-16-22	344 15-18-25	281 15-18-25	430 17-20-29	352 17-20-29	516 18-22-32	422 18-22-32	602 19-23-34	492 19-23-34	688 22-25-36	583 22-25-36	775 22-28-38	633 22-28-38
	3A1	CFM/SIDE THROW, FT.	410 15-18-25	117 8-10-13	547 17-22-30	156 9-11-15	685 19-24-34	195 10-12-17	820 22-26-36	234 11-13-18	958 22-28-39	273 12-14-19	1094 24-30-42	312 12-15-22	1224 25-32-44	351 13-16-22
	3B	CFM/SIDE THROW, FT.	468 12-15-20	234 12-15-20	625 14-17-23	312 14-17-23	782 16-19-26	391 16-19-26	937 17-22-29	469 17-22-29	1095 18-22-31	547 18-22-31	1250 19-24-33	625 19-24-33	1406 22-25-35	702 22-25-35
	2A 2B	CFM/SIDE THROW, FT.	468 16-19-28		625 18-22-32		782 20-25-36		937 22-28-39		1095 23-30-42		1250 25-32-44		1405 28-34-47	
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	702 17-22-30	234 12-15-20	938 20-24-34	312 14-17-23	1175 23-28-39	390 16-19-26	1407 24-30-41	468 17-22-29	1644 26-32-44	546 18-22-31	1876 29-35-47	624 19-24-33	2108 34-37-50	702 22-25-35
	1A 1B	CFM/SIDE THROW, FT.	937 19-24-33		1250 22-28-38		1565 25-32-43		1875 28-34-46		2190 30-36-50		2500 32-39-53		2810 34-41-57	

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: $A \times .82 = B$.

For performance notes, see page D63.

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300 .006 .029		400 .010 .051		500 .016 .080		600 .022 .116		700 .031 .157		800 .040 .205		900 .050 .260	
			CFM NC	A	B	A	B	A	B	A	B	A	B	A	B	A
36 x 15 3.75 SQ. FT.	RETURN FACTORS —SP=3.8 TP NC + 7	CFM NC	1125 13	1500 23	1875 31	2250 37	2625 40	3000 41	3375 46							
	4B 4C	CFM/SIDE THROW, FT.	446 117 15-18-25 8-10-13	594 156 17-22-30 9-11-15	742 195 19-24-34 10-12-17	891 234 22-26-36 11-13-18	1039 273 22-30-39 12-14-19	1188 312 24-30-42 12-15-22	1336 351 25-32-44 13-16-22							
	4E	CFM/SIDE THROW, FT.	306 258 14-17-24 13-16-22	408 344 16-19-28 15-18-25	510 430 18-22-32 17-20-29	612 516 19-23-34 18-22-32	714 602 22-25-36 19-23-34	816 688 22-26-39 22-25-36	918 775 24-29-41 22-28-38							
	3A1	CFM/SIDE THROW, FT.	504 117 16-19-28 8-10-13	672 156 18-22-32 9-11-15	840 195 20-25-36 10-12-17	1008 234 22-30-39 11-13-18	1176 273 23-30-42 12-14-19	1344 312 25-32-44 12-15-22	1512 351 28-34-47 13-16-22							
	2A 2B	CFM/SIDE THROW, FT.	562 16-19-28	750 18-22-32	937 20-25-36	1125 22-28-39	1312 23-30-42	1500 25-32-44	1682 28-34-47							
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	890 234 19-24-33 12-15-20	1188 312 22-28-33 14-17-23	1485 390 25-32-43 16-19-26	1782 468 28-34-46 17-22-29	2079 546 30-36-50 18-22-31	2376 624 32-39-53 19-24-33	2873 702 34-41-57 22-25-35							
1A 1B	CFM/SIDE THROW, FT.	1125 20-25-35	1500 23-29-40	1875 26-32-45	2250 28-35-49	2625 31-38-52	3000 33-40-57	3375 35-43-60								
21 x 18 2.625 SQ. FT.	RETURN FACTORS —SP=2.2 TP NC + 5	CFM NC	785 14	1050 21	1310 27	1575 32	1840 36	2100 40	2360 43							
	4B 4C	CFM/SIDE THROW, FT.	225 169 11-13-18 9-11-15	300 225 13-15-22 10-12-17	375 280 15-17-24 11-14-19	450 337 16-18-27 12-15-22	526 394 17-19-28 13-16-22	600 450 18-22-30 14-17-24	674 506 19-22-32 15-18-25							
	3A1	CFM/SIDE THROW, FT.	309 169 14-17-24 9-11-15	412 225 16-19-28 10-12-17	514 281 18-22-32 11-14-19	619 337 19-23-34 12-15-22	723 394 22-25-36 13-16-22	825 450 22-26-39 14-17-24	927 506 24-29-41 15-18-25							
	3A2	CFM/SIDE THROW, FT.	279 230 14-17-24 10-12-17	372 306 16-19-28 11-14-19	464 382 18-22-32 12-16-22	557 460 19-23-34 13-17-23	652 535 22-25-36 14-18-25	744 612 22-26-39 15-19-26	836 688 24-29-41 16-22-29							
	2A 2B	CFM/SIDE THROW, FT.	393 15-18-25	525 17-22-30	655 19-24-31	787 22-26-36	920 22-28-39	1050 24-30-42	1180 25-32-44							
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	450 338 15-18-25 13-16-22	600 450 17-22-30 15-18-25	750 560 19-24-31 17-20-29	900 675 22-26-36 18-22-32	1060 790 22-28-39 19-23-34	1200 900 24-30-42 22-25-36	1350 1010 25-32-44 22-28-38							
1A 1B	CFM/SIDE THROW, FT.	787 18-22-32	1050 22-25-36	1310 24-29-41	1575 26-32-44	1840 28-34-47	2100 30-36-50	2360 32-38-53								
24 x 18 3.0 SQ. FT.	RETURN FACTORS —SP=2.5 TP NC + 6	CFM NC	900 15	1200 22	1500 28	1800 33	2100 37	2400 40	2700 43							
	4B 4C	CFM/SIDE THROW, FT.	281 169 14-17-24 9-11-15	375 225 16-19-28 10-12-17	469 281 18-22-32 11-14-19	563 337 19-23-34 12-15-22	656 394 22-25-36 13-16-22	750 450 22-26-39 14-17-24	844 506 24-29-41 15-18-25							
	4E	CFM/SIDE THROW, FT.	225 225 13-16-22 13-16-22	300 300 15-18-25 15-18-25	375 375 17-20-29 17-20-29	450 450 18-22-32 18-22-32	525 525 19-23-34 19-23-34	600 600 22-25-36 22-25-36	675 675 22-28-38 22-28-38							
	3A1	CFM/SIDE THROW, FT.	366 169 15-18-25 9-11-15	487 225 17-22-30 10-12-17	609 281 19-24-34 11-14-19	731 337 22-26-36 12-15-22	853 394 22-28-39 13-16-22	975 450 24-30-42 14-17-24	1098 506 25-32-44 15-18-25							
	3A2	CFM/SIDE THROW, FT.	300 300 14-17-24 11-13-18	400 400 16-19-28 13-15-22	500 500 18-22-32 15-17-24	600 600 19-23-34 16-18-26	700 700 22-25-36 17-19-28	800 800 22-26-39 18-22-30	900 900 24-29-41 19-22-32							
	2A 2B	CFM/SIDE THROW, FT.	450 15-18-25	600 17-22-30	750 19-24-34	900 22-26-36	1050 22-28-39	1200 24-30-42	1350 25-32-44							
2C 2D 2E 2F	CFM/SIDE THROW, FT.	562 338 16-19-28 13-16-22	750 450 18-22-32 15-18-25	938 562 20-25-36 17-20-29	1125 675 22-28-39 18-22-32	1313 787 23-30-42 19-23-34	1500 900 25-32-44 22-25-36	1688 1012 28-34-47 22-28-38								
1A 1B	CFM/SIDE THROW, FT.	900 19-24-33	1200 22-28-38	1500 25-32-43	1800 28-34-46	2100 30-36-50	2400 32-39-53	2700 34-41-57								

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: $A \times .82 = B$.

For performance notes, see page D63.

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300	400	500	600	700	800	900
			.006 .029	.010 .051	.016 .080	.022 .116	.031 .157	.040 .205	.050 .260
30 x 18 3.75 SQ. FT.	RETURN FACTORS —SP=3.1 TP NC + 7	CFM NC	1125 15	1500 23	1875 29	2250 34	2625 38	3000 42	3375 45
	4B 4C	CFM/SIDE THROW, FT.	394 169 15-18-25 9-11-15	525 225 17-22-30 10-12-17	657 281 19-24-34 11-14-19	788 337 22-26-36 12-15-22	918 394 22-28-39 13-16-22	1050 450 24-30-42 14-17-24	1181 506 25-32-44 15-18-25
	4E	CFM/SIDE THROW, FT.	281 281 14-17-24 14-17-24	375 375 16-19-28 16-19-28	469 469 18-22-32 18-22-32	563 563 19-23-34 19-23-34	657 657 22-25-36 22-25-36	750 750 22-26-39 22-26-39	845 845 24-29-41 24-29-41
	3A1	CFM/SIDE THROW, FT.	478 169 16-19-28 9-11-15	637 225 18-22-32 10-12-17	797 281 20-25-36 11-14-19	956 337 22-28-39 12-15-22	1115 394 23-30-42 13-16-22	1275 450 25-32-44 14-17-24	1434 506 28-34-47 15-18-25
	3A2	CFM/SIDE THROW, FT.	469 327 14-17-24 12-15-20	625 437 16-19-28 14-17-23	782 546 18-22-32 16-19-26	937 656 19-23-34 17-22-29	1093 766 22-25-36 18-22-31	1250 875 22-26-39 19-24-33	1406 984 24-29-41 22-25-35
	2A 2B	CFM/SIDE THROW, FT.	562 16-19-28	750 18-22-32	937 20-25-36	1125 22-28-39	1312 23-30-42	1500 25-32-44	1687 28-34-47
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	787 337 18-22-32 13-16-22	1050 450 22-25-36 15-18-25	1313 562 24-29-41 17-20-29	1575 675 26-32-44 18-22-32	1838 787 28-34-47 19-23-34	2100 900 30-36-50 22-25-36	2363 1012 32-38-53 22-28-38
	1A 1B	CFM/SIDE THROW, FT.	1125 20-25-35	1500 23-29-39	1875 26-33-45	2250 29-35-49	2625 31-38-52	3000 33-40-57	3375 35-43-60
36 x 18 4.5 SQ. FT.	RETURN FACTORS —SP=3.6 TP NC + 8	CFM NC	1350 16	1800 24	2250 30	2700 35	3150 39	3600 42	4050 45
	4B 4C	CFM/SIDE THROW, FT.	506 169 16-19-28 9-11-15	675 225 18-22-32 10-12-17	844 281 22-25-36 11-14-19	1013 337 22-28-39 12-15-22	1181 394 23-30-42 13-16-22	1350 450 25-32-44 14-17-24	1519 506 28-34-47 15-18-25
	4E	CFM/SIDE THROW, FT.	339 339 14-17-24 14-17-24	452 452 16-19-28 16-19-28	565 565 18-22-32 18-22-32	678 678 19-23-34 19-23-34	791 791 22-25-36 22-25-36	904 904 22-26-39 22-26-39	1020 1020 24-29-41 24-29-41
	3A1	CFM/SIDE THROW, FT.	591 169 17-22-30 9-11-15	787 225 20-24-34 10-12-17	984 281 23-28-39 11-14-19	1181 337 24-30-41 12-15-22	1378 394 26-32-44 13-16-22	1575 450 29-35-47 14-17-24	1772 506 31-37-50 15-18-25
	3B	CFM/SIDE THROW, FT.	675 337 13-16-22 13-16-22	900 450 15-18-25 15-18-25	1125 562 17-20-29 17-20-29	1350 675 18-22-32 18-22-32	1575 787 19-23-34 19-23-34	1800 900 22-25-36 22-25-36	2025 1012 22-28-38 22-28-38
	2A 2B	CFM/SIDE THROW, FT.	675 17-22-30	900 20-24-34	1125 23-28-39	1350 24-30-41	1575 26-32-44	1800 29-35-47	2025 31-37-50
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	1010 337 20-25-35 13-16-22	1350 450 23-29-40 15-18-25	1688 562 26-33-45 17-20-29	2025 675 29-35-49 18-22-32	2363 787 31-38-52 19-23-34	2700 900 33-40-57 22-25-36	3038 1012 35-43-60 22-28-38
	1A 1B	CFM/SIDE THROW, FT.	1350 22-25-37	1800 24-30-42	2250 28-34-48	2700 30-36-51	3150 32-39-56	3600 34-42-58	4050 37-44-63
24 x 21 3.5 SQ. FT.	RETURN FACTORS —SP=2.1 TP NC + 7	CFM NC	1050 15	1400 22	1750 28	2100 33	2450 37	2800 41	3150 44
	4B 4C	CFM/SIDE THROW, FT.	295 230 12-15-20 10-12-17	394 306 14-17-23 11-14-19	493 382 16-19-26 12-16-22	590 460 17-22-29 13-17-23	690 535 18-22-31 14-18-25	788 612 19-24-33 15-19-26	887 688 22-25-35 16-22-29
	3A1	CFM/SIDE THROW, FT.	410 230 15-18-25 10-12-17	547 306 17-22-30 11-14-19	684 382 19-24-34 12-16-22	820 460 22-26-36 13-17-23	957 535 22-28-39 14-18-25	1094 612 24-30-42 15-19-26	1231 688 25-32-44 16-22-29
	3A2	CFM/SIDE THROW, FT.	375 300 15-18-25 11-13-18	500 400 17-22-30 13-15-22	625 500 19-24-34 15-17-24	750 600 22-26-36 16-18-26	875 700 22-28-39 17-19-28	1000 800 24-30-42 18-22-30	1125 900 25-32-44 19-22-32
	2A 2B	CFM/SIDE THROW, FT.	525 16-19-28	700 18-22-32	875 20-25-36	1050 22-28-39	1225 23-30-42	1400 25-32-44	1575 28-34-47
	2C 2D 2E 2F	CFM/SIDE THROW, FT.	591 459 17-22-30 14-17-24	788 612 20-24-34 16-19-28	986 764 23-28-39 18-22-32	1180 920 24-30-41 19-23-34	1380 1070 26-32-44 22-25-36	1576 1224 29-35-47 22-26-39	1774 1376 31-37-50 24-29-41
	1A 1B	CFM/SIDE THROW, FT.	1050 20-25-35	1400 23-29-40	1750 26-33-45	2100 29-35-49	2450 31-38-52	2800 33-40-51	3150 35-43-60

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: $A \times .82 = B$.

For performance notes, see page D63.

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300 .006 .029		400 .010 .051		500 .016 .080		600 .022 .116		700 .031 .157		800 .040 .205		900 .050 .260	
			CFM NC	A	B	A	B	A	B	A	B	A	B	A	B	A
30 x 21 4.375 SQ. FT.	RETURN FACTORS —SP=3.1 TP NC + 8	CFM NC	1310 16		1750 23		2185 29		2625 34		3060 38		3500 41		3935 44	
	4B 4C	CFM/SIDE THROW, FT.	425 230	15-18-25 10-12-17	569 306	17-22-30 11-14-19	710 382	19-24-34 12-16-22	852 460	22-26-36 13-17-23	995 535	22-28-39 14-18-25	1138 612	24-30-42 15-19-26	1279 688	25-32-44 16-22-29
	4E	CFM/SIDE THROW, FT.	360 295	14-17-24 14-17-24	480 394	16-19-28 16-19-28	600 492	18-22-32 18-22-32	720 591	19-23-34 19-23-34	840 690	22-25-36 22-25-36	960 788	22-26-39 22-26-39	1080 887	24-29-41 24-29-41
	3A1	CFM/SIDE THROW, FT.	540 230	16-19-28 10-12-17	722 306	18-22-32 11-14-19	901 382	20-25-36 12-16-22	1082 460	22-28-39 13-17-23	1262 535	23-30-42 14-18-25	1444 612	25-32-44 15-19-26	1623 688	28-34-47 16-22-29
	3A2	CFM/SIDE THROW, FT.	468 422	15-18-25 12-15-20	625 562	17-22-30 14-17-23	782 701	19-24-34 16-19-26	937 844	22-26-36 17-22-29	1093 983	22-28-39 18-22-31	1250 1125	24-30-42 19-24-33	1406 1264	25-32-44 22-25-36
	2A 2B	CFM/SIDE THROW, FT.	655	17-22-30	875	20-24-34	1092	23-28-39	1312	24-30-41	1530	26-32-44	1750	29-35-47	1968	31-37-50
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	853 457	18-22-32 14-17-24	1138 612	22-25-36 16-19-28	1421 764	24-29-41 18-22-32	1705 920	26-32-44 19-23-34	1990 1070	28-34-47 22-25-36	2276 1224	30-36-50 22-26-39	2559 1376	32-38-53 24-29-41
	1A 1B	CFM/SIDE THROW, FT.	1310	22-25-37	1750	24-30-42	2185	28-34-48	2625	30-36-51	3060	32-39-56	3500	34-42-58	3935	37-44-63
36 x 21 5.25 SQ. FT.	RETURN FACTORS —SP=3.4 TP NC + 8	CFM NC	1575 16		2100 24		2625 30		3150 34		3675 38		4200 42		4725 45	
	4B 4C	CFM/SIDE THROW, FT.	558 230	16-19-28 10-12-17	744 306	18-22-32 11-14-19	930 382	20-25-36 12-16-22	1115 460	22-28-39 13-17-23	1306 535	23-30-42 14-18-25	1488 612	25-32-44 15-19-26	1674 688	28-34-47 16-22-29
	4E	CFM/SIDE THROW, FT.	427 360	15-18-25 15-18-25	568 480	17-22-30 17-22-30	710 600	19-24-34 19-24-34	852 720	22-26-36 22-26-36	945 840	22-28-39 22-28-39	1135 960	24-30-42 24-30-42	1280 1080	25-32-44 25-32-44
	3A1	CFM/SIDE THROW, FT.	672 230	17-22-30 10-12-17	897 306	20-24-34 11-14-19	1121 382	23-28-39 12-16-22	1345 460	24-30-41 13-17-23	1570 535	26-32-44 14-18-25	1794 612	29-35-47 15-19-26	2018 688	31-37-50 16-22-29
	3A2	CFM/SIDE THROW, FT.	675 450	15-18-25 13-16-22	900 600	17-22-30 15-18-25	1125 750	19-24-34 17-20-29	1350 900	22-26-36 18-22-32	1575 1050	22-28-39 19-23-34	1800 1200	24-30-42 22-25-36	2025 1350	25-32-44 22-28-38
	2A 2B	CFM/SIDE THROW, FT.	787	18-22-32	1050	22-25-36	1312	24-29-41	1575	26-32-44	1837	28-34-47	2100	30-36-50	2362	32-38-53
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	1115 460	20-25-35 14-17-24	1488 612	23-29-40 16-19-28	1861 764	26-33-45 18-22-32	2230 920	29-35-49 19-23-34	2605 1070	31-38-52 22-25-36	2976 1224	33-40-57 22-26-39	3349 1376	35-43-60 24-29-41
	1A 1B	CFM/SIDE THROW, FT.	1575	24-30-41	2100	23-34-47	2625	32-39-53	3150	34-41-58	3675	36-44-62	4200	39-47-67	4725	41-50-72
30 x 24 5.0 SQ. FT.	RETURN FACTORS —SP=3.1 TP NC + 8	CFM NC	1500 17		2000 25		2500 30		3000 35		3500 39		4000 43		4500 46	
	4B 4C	CFM/SIDE THROW, FT.	450 300	15-18-25 11-13-18	600 400	17-22-30 13-15-22	750 500	19-24-34 15-17-24	900 600	22-26-36 16-18-26	1050 700	22-28-39 17-19-28	1200 800	24-30-42 18-22-30	1350 900	25-32-44 19-22-32
	4E	CFM/SIDE THROW, FT.	375 375	15-18-25 15-18-25	500 500	17-22-30 17-22-30	625 625	19-24-34 19-24-34	750 750	22-26-36 22-26-36	875 875	22-28-39 22-28-39	1000 1000	24-30-42 24-30-42	1125 1125	25-32-44 25-32-44
	3A1	CFM/SIDE THROW, FT.	600 300	17-22-30 11-13-18	800 400	20-24-34 13-15-22	1000 500	23-28-39 15-17-24	1200 600	24-30-41 16-18-26	1400 700	26-32-44 17-19-28	1600 800	29-35-47 18-22-30	1800 900	31-37-50 19-22-32
	3A2	CFM/SIDE THROW, FT.	515 470	18-22-32 15-18-25	687 625	22-25-36 17-22-30	859 782	24-29-41 19-24-34	1031 937	26-32-44 22-26-36	1203 1093	28-34-47 22-28-39	1375 1250	30-36-50 24-30-42	1548 1406	32-38-53 25-32-44
	2A 2B	CFM/SIDE THROW, FT.	750	19-24-33	1000	22-28-38	1250	25-32-43	1500	28-34-46	1750	30-36-50	2000	32-39-53	2250	34-41-57
	2C 2E 2D 2F	CFM/SIDE THROW, FT.	900 600	22-25-37	1200 800	24-30-42	1500 1000	28-34-48	1800 1200	30-36-51	2100 1400	32-39-56	2400 1600	34-42-58	2700 1800	37-44-63
	1A 1B	CFM/SIDE THROW, FT.	1500	35-43-61	2000	41-49-69	2500	44-55-77	3000	49-59-86	3500	53-65-90	4000	56-69-96	4500	60-72-103

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: $A \times .82 = B$.

For performance notes, see page D63.

PERFORMANCE DATA:

MODEL 6400 • RECTANGULAR NECK

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VEL. VP TP	300	400	500	600	700	800	900	
			.006 .029	.010 .051	.016 .080	.022 .116	.031 .157	.040 .205	.050 .260	
36 x 24 6.0 SQ. FT.	RETURN FACTORS —SP=3.4 TP NC + 8	CFM NC	1800 18	2400 25	3000 31	3600 36	4200 40	4800 43	5400 46	
	4B 4C	CFM/SIDE THROW, FT.	600 300 17-22-30 11-13-18	800 400 20-24-34 13-15-22	1000 500 23-28-39 15-17-24	1200 600 24-30-41 16-18-26	1400 700 26-32-44 17-19-28	1600 800 29-35-47 18-22-30	1800 900 31-37-50 19-22-32	
	4E	CFM/SIDE THROW, FT.	450 450 15-18-25 15-18-25	600 600 17-22-30 17-22-30	750 750 19-24-34 19-24-34	900 900 22-26-36 22-26-36	1050 1050 22-28-39 22-28-39	1200 1200 24-30-42 24-30-42	1350 1350 25-32-41 25-32-44	
	3A1	CFM/SIDE THROW, FT.	750 300 18-22-32 11-13-18	1000 400 22-25-36 13-15-22	1250 500 24-29-41 15-17-24	1500 600 26-32-44 16-18-26	1750 700 28-34-47 17-19-28	2000 800 30-36-50 18-22-30	2250 900 32-38-53 19-22-32	
	3A2	CFM/SIDE THROW, FT.	676 562 16-19-28 14-17-24	900 750 18-22-32 16-19-28	1125 937 20-25-36 18-22-32	1350 1125 22-28-39 19-23-34	1575 1312 23-30-42 22-25-36	1800 1500 25-32-44 22-26-39	2025 1687 28-34-47 24-29-41	
	2A	CFM/SIDE THROW, FT.	900 19-24-33	1200 22-28-38	1500 25-32-43	1800 28-34-46	2100 30-36-50	2400 32-39-53	2700 34-41-57	
	2B	CFM/SIDE THROW, FT.	900 19-24-33	1200 22-28-38	1500 25-32-43	1800 28-34-46	2100 30-36-50	2400 32-39-53	2700 34-41-57	
	2C 2D	CFM/SIDE THROW, FT.	1200 600 22-25-37 15-18-25	1600 800 24-30-42 17-22-30	2000 1000 28-34-48 19-24-34	2400 1200 30-36-51 22-26-36	2800 1400 32-39-56 22-28-39	3200 1600 34-42-58 24-30-42	3600 1800 37-44-63 25-32-44	
	2E 2F	CFM/SIDE THROW, FT.	1200 600 22-25-37 15-18-25	1600 800 24-30-42 17-22-30	2000 1000 28-34-48 19-24-34	2400 1200 30-36-51 22-26-36	2800 1400 32-39-56 22-28-39	3200 1600 34-42-58 24-30-42	3600 1800 37-44-63 25-32-44	
	1A	CFM/SIDE THROW, FT.	1800 24-30-41	2400 28-34-47	3000 32-39-53	3600 34-41-58	4200 36-44-62	4800 39-47-67	5400 41-50-72	
	1B	CFM/SIDE THROW, FT.	1800 24-30-41	2400 28-34-47	3000 32-39-53	3600 34-41-58	4200 36-44-62	4800 39-47-67	5400 41-50-72	
	36 x 30 7.5 SQ. FT.	RETURN FACTORS —SP=3.4 TP NC + 8	CFM NC	2250 19	3000 26	3750 32	4500 37	5250 41	6000 44	6750 47
		4B 4C	CFM/SIDE THROW, FT.	657 468 17-22-30 12-15-20	875 625 20-24-34 14-17-23	1093 782 23-28-39 16-19-26	1313 937 24-30-41 17-22-29	1532 1093 26-32-44 18-22-31	1750 1250 29-35-47 19-24-33	1969 1406 31-37-50 22-25-35
		3A1	CFM/SIDE THROW, FT.	890 468 19-24-33 12-15-20	1187 625 22-28-38 14-17-23	1484 782 25-32-43 16-19-26	1781 937 28-34-46 17-22-29	2078 1093 30-36-50 18-22-31	2375 1250 32-39-53 19-24-33	2672 1406 34-41-57 22-25-35
3A2		CFM/SIDE THROW, FT.	787 675 18-22-32 13-16-22	1050 900 22-25-36 15-18-25	1312 1125 24-29-41 17-20-29	1575 1350 26-32-44 18-22-32	1837 1575 28-34-47 19-23-34	2100 1800 30-36-50 22-25-36	2362 2025 32-38-53 22-28-38	
2A		CFM/SIDE THROW, FT.	1125 20-25-35	1500 23-29-40	1875 26-33-45	2250 29-35-49	2625 31-38-52	3000 33-40-57	3375 35-43-60	
2B		CFM/SIDE THROW, FT.	1125 20-25-35	1500 23-29-40	1875 26-33-45	2250 29-35-49	2625 31-38-52	3000 33-40-57	3375 35-43-60	
2C 2D		CFM/SIDE THROW, FT.	1312 938 22-25-37 17-22-30	1750 1250 24-30-42 20-24-34	2188 1562 28-34-48 23-28-39	2625 1875 30-36-51 24-30-41	3063 2187 32-39-56 26-32-44	3500 2500 34-42-58 29-35-47	3938 2812 37-44-63 31-37-50	
2E 2F	CFM/SIDE THROW, FT.	1312 938 22-25-37 17-22-30	1750 1250 24-30-42 20-24-34	2188 1562 28-34-48 23-28-39	2625 1875 30-36-51 24-30-41	3063 2187 32-39-56 26-32-44	3500 2500 34-42-58 29-35-47	3938 2812 37-44-63 31-37-50		
1A	CFM/SIDE THROW, FT.	2250 24-30-41	3000 28-34-47	3750 32-39-53	4500 34-41-58	5250 36-44-62	6000 39-47-67	6750 41-50-72		
1B	CFM/SIDE THROW, FT.	2250 24-30-41	3000 28-34-47	3750 32-39-53	4500 34-41-58	5250 36-44-62	6000 39-47-67	6750 41-50-72		

Notes:

1. Core style 4E is sized to give equal flow as near as possible in directions A and B.
2. For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: $A \times .82 = B$.

CFM - cubic feet per minute
VP - velocity pressure - inches w.g.
TP - total pressure - inches w.g.
T - throw in feet
NC - Noise Criteria (values) based on 10 dB room absorption, re 10^{-12} watts.
Neck Velocity - feet per minute

Performance Notes:

1. Throw values are given for terminal velocities of 150, 100 and 50 fpm under isothermal conditions. Data applies to ceiling mounted units when the maximum coanda effect applies. When no ceiling is present (exposed duct), throws are reduced by approximately 30% with a downward projection of approximately 30 degrees.
2. Performance data as tabulated is for supply air conditions. Correction factors for return air application - see next page.
3. Correction factors for round inlets - see next page.
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

PERFORMANCE DATA CORRECTIONS:

MODEL 6400

CORRECTION FACTORS WITH SQUARE TO ROUND INLET ADAPTOR – TABLE 2

- Add the NC correction factor from Table 2 and the NC value listed in the performance tables.
- Multiply the correction factor from Table 2 by the listed total pressure in the performance tables.
- Multiply the correction factor from Table 2 by the listed throws in the performance tables.

Example:

12" x 12" unit with 10" round adaptor handling 500 cfm supply air. (Page D50).

- $NC = 23 + 7 = 30$
- Total Pressure = $.08 \times 1.65 = 0.132$
- Throw = $15 \times 1.15 = 17.25$ feet @ 50 fpm terminal velocity.

TABLE 2 Correction Factors for SR Adaptors

SQUARE INLET	ROUND INLET	NC (add)	TP (multiply)	THROW (multiply)		
				150	100	50
6 x 6	5	7	1.65	1.10	1.10	1.15
9 x 9	6	17	3.50	1.15	1.15	1.20
9 x 9	8	4	1.40	1.10	1.10	1.10
12 x 12	8	17	3.50	1.15	1.15	1.20
12 x 12	10	7	1.65	1.10	1.10	1.15
15 x 15	10	17	3.50	1.15	1.15	1.20
15 x 15	12	9	1.90	1.10	1.10	1.15
15 x 15	14	3	1.25	1.05	1.05	1.10
18 x 18	12	17	3.50	1.15	1.15	1.20
18 x 18	14	10	2.00	1.10	1.10	1.15
18 x 18	16	5	1.45	1.10	1.10	1.10
21 x 21	14	17	3.70	1.15	1.15	1.20
21 x 21	16	11	2.25	1.10	1.10	1.15
21 x 21	18	6	1.60	1.10	1.10	1.10
21 x 21	20	3	1.20	1.05	1.05	1.10
24 x 24	16	17	3.50	1.15	1.15	1.20
24 x 24	18	12	2.35	1.10	1.10	1.15
24 x 24	20	7	1.65	1.10	1.10	1.15

CORRECTION FACTORS FOR RETURN INLET

If the unit is used as a return inlet, the performance data is obtained by applying the return corrections, as follows:

- Add the NC correction at the left side of the table to the NC value listed in the performance table.
- Multiply the SP factor at the left side of the table by the total pressure (TP) listed at the top of the table.

Example:

12" x 12" unit handling 600 cfm of return air. (Page D50).

- Return NC = $28 + 4 = 32$.
- Return negative SP = $1.3 \times (-.116) = -.151$.

RECOMMENDED MAXIMUM AIRFLOW – TABLE 3

Diffuser mounting height and air temperature differential (ΔT) are both to be considered when selecting diffusers. As air travels from a diffuser, room air is entrained into the supply air stream and the delivery pattern thickens.

If the volume or throw requirement is too great, the lower part of the supply air stream can intrude into the occupied zone causing objectionable drafts. Consult Table 3 to verify selection.

TABLE 3 Maximum Recommended Airflow

CEILING HEIGHT (ft.)	MAX. AIRFLOW PER DIFFUSER (CFM)				MAX. REC. COOLING TEMP. DIFFERENTIAL ΔT
	4-way	3-way	2-way (2A, 2B)	1-way & 2S	
7	400	300	200	100	15°F
8	600	450	300	150	20°F
9	1200	900	600	300	25°F
10	1800	1350	900	450	25°F
12	3200	2400	1600	800	30°F
14	4800	3600	2400	1200	30°F
16	6000	4500	3000	1500	30°F