

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS		NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
6 x 6 .25 SQ. FT.	RETURN FACTORS	—SP=1.1 TP NC + 1	CFM NC	75 —	100 10	125 17	150 22	175 26	200 31	225 35
				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	19 4-5-8	25 4-6-10	31 6-8-10	37 6-8-11	44 8-9-12	50 8-9-12	56 9-10-13	
	 3A	CFM/SIDE THROW, FT.	19 28 4-5-8 5-8-11	25 38 4-6-10 6-9-12	31 47 6-8-10 8-10-14	37 56 6-8-11 8-11-15	44 66 8-9-12 9-12-16	50 75 8-9-12 9-12-17	56 85 9-10-13 10-13-18	
	 2S  2G	CFM/SIDE THROW, FT.	37 8-9-12	50 9-10-14	62 10-11-16	75 11-12-17	88 12-13-18	100 12-13-19	113 12-14-20	
	 1S	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	
9 x 9 .56 SQ. FT.	RETURN FACTORS	—SP=1.2 TP NC + 2	CFM NC	170 —	225 14	280 20	340 26	395 31	450 35	505 38
				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	42 6-8-12	56 7-10-14	70 10-11-15	84 10-12-16	98 11-12-17	112 11-14-19	126 12-15-20	
	 3A	CFM/SIDE THROW, FT.	42 63 6-8-12 9-11-14	56 85 7-10-14 10-12-17	70 106 10-11-15 11-13-19	84 127 10-12-16 12-14-20	98 148 11-12-17 13-15-21	112 169 11-14-19 13-16-22	126 190 12-15-20 14-18-24	
	 2S  2G	CFM/SIDE THROW, FT.	84 9-10-15	112 11-13-18	141 12-15-20	169 13-16-22	197 14-17-23	225 15-18-25	253 16-19-28	
	 1S	CFM/SIDE THROW, FT.	169 12-15-20	225 14-17-23	282 16-19-26	338 17-22-29	394 18-22-31	450 19-24-33	507 22-25-35	
12 x 12 1.0 SQ. FT.	RETURN FACTORS	—SP=1.3 TP NC + 4	CFM NC	300 10	400 17	500 23	600 28	700 33	800 36	900 39
				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	75 8-13-15	100 11-14-18	125 13-15-21	150 14-17-22	175 14-18-24	200 15-20-25	225 17-21-27	
	 3A	CFM/SIDE THROW, FT.	75 112 8-13-15 11-14-19	100 150 11-14-18 12-15-21	125 187 13-15-21 14-17-24	150 225 14-17-22 15-19-26	175 262 14-18-24 16-20-27	200 300 15-20-25 17-21-30	225 338 17-21-27 19-22-31	
	 2S  2G	CFM/SIDE THROW, FT.	150 12-15-20	200 15-17-25	250 17-19-27	300 18-20-29	350 19-21-31	400 20-25-34	450 21-25-36	
	 1S	CFM/SIDE THROW, FT.	300 16-20-28	400 18-22-32	500 21-25-37	600 22-26-39	700 23-28-41	800 25-29-41	900 28-33-47	
15 x 15 1.56 SQ. FT.	RETURN FACTORS	—SP=1.8 TP NC + 4	CFM NC	465 10	625 19	780 25	935 30	1090 33	1250 39	1400 41
				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	117 13-16-21	156 14-18-24	195 16-19-27	234 18-21-29	273 19-22-30	312 20-24-33	350 21-26-35	
	 3A	CFM/SIDE THROW, FT.	117 175 13-16-21 14-17-23	156 234 14-18-24 17-19-29	195 292 16-19-27 19-22-31	234 351 18-21-29 21-23-34	273 409 19-22-30 22-25-36	312 468 19-24-35 22-29-39	350 527 21-26-35 25-29-42	
	 2S  2G	CFM/SIDE THROW, FT.	234 16-20-27	312 19-22-31	390 21-25-36	468 22-27-40	546 24-29-42	625 27-31-45	700 27-35-47	
	 1S	CFM/SIDE THROW, FT.	467 21-25-36	625 23-29-42	780 26-32-47	935 29-36-51	1090 30-39-55	1250 32-42-57	1400 36-44-61	
18 x 18 2.25 SQ. FT.	RETURN FACTORS	—SP=2.1 TP NC + 6	CFM NC	675 12	900 21	1125 27	1350 31	1575 36	1800 39	2025 42
				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	168 15-19-25	225 17-20-29	281 19-24-32	337 20-25-36	394 22-27-37	450 24-29-41	506 25-31-43	
	 3A	CFM/SIDE THROW, FT.	168 253 15-19-25 17-22-29	225 338 17-20-29 20-25-33	281 422 19-24-32 23-27-38	337 506 20-25-36 25-32-42	394 590 22-27-37 26-32-45	450 675 24-29-41 27-35-48	506 760 25-31-43 32-36-51	
	 2S  2G	CFM/SIDE THROW, FT.	337 19-23-32	450 22-26-38	562 24-30-43	675 26-31-46	787 30-34-49	900 30-35-53	1012 32-39-55	
	 1S	CFM/SIDE THROW, FT.	675 25-33-45	900 30-36-51	1125 34-42-58	1350 36-45-61	1575 39-48-66	1800 43-52-70	2025 46-55-75	

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS		NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
21 x 21 3.06 SQ. FT.	RETURN FACTORS	—SP=2.6 TP NC + 8	CFM NC	915 14	1225 22	1530 28	1835 32	2140 37	2450 40	2750 43
				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	230 18-21-30	306 19-25-34	382 21-28-39	460 23-30-41	535 25-32-44	612 26-34-46	688 28-39-51	
	 3A	CFM/SIDE THROW, FT.	230 345 15-19-26 20-25-34	306 460 17-22-29 23-28-39	382 573 19-25-34 26-31-45	460 688 20-26-36 28-34-50	535 802 22-28-39 29-36-53	612 918 23-29-40 34-39-56	688 1030 25-34-45 34-43-59	
	 2S  2G	CFM/SIDE THROW, FT.	458 22-27-39	612 25-31-45	765 28-35-50	917 31-39-55	1070 32-42-59	1225 35-45-62	1375 39-48-66	
24 x 24 4.0 SQ. FT.				A B	A B	A B	A B	A B	A B	A B
	RETURN FACTORS	—SP=2.7 TP NC + 8	CFM NC	1200 15	1600 23	2000 29	2400 33	2800 37	3200 41	3600 44
				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	300 20-24-33	400 24-27-40	500 27-31-44	600 29-33-47	700 31-35-51	800 33-40-55	900 35-40-58	
	 3A	CFM/SIDE THROW, FT.	300 450 20-24-33 23-28-39	400 600 24-27-40 26-31-46	500 750 27-31-44 29-36-52	600 900 29-33-47 31-38-56	700 1050 31-33-51 36-41-59	800 1200 33-40-55 36-43-64	900 1350 35-40-58 39-47-67	
30 x 30 6.25 SQ. FT.				A B	A B	A B	A B	A B	A B	A B
	 2S  2G	CFM/SIDE THROW, FT.	600 25-33-45	800 30-36-51	1000 34-42-58	1200 36-45-61	1400 39-48-66	1600 43-52-70	1800 46-55-75	
	 1S	CFM/SIDE THROW, FT.	1200 35-40-59	1600 38-48-67	2000 45-54-77	2400 48-58-82	2800 51-62-90	3200 54-67-93	3600 59-70-101	
	RETURN FACTORS	—SP=3.1 TP NC + 8	CFM NC	1875 16	2500 24	3125 30	3750 35	4375 39	5000 42	5625 46
				A B	A B	A B	A B	A B	A B	A B
36 x 36 9.0 SQ. FT.				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	469 25-31-42	625 29-36-48	782 34-40-55	937 36-44-61	1093 38-46-65	1250 40-50-69	1406 46-52-73	
	 3A	CFM/SIDE THROW, FT.	469 703 25-31-42 28-34-49	625 938 29-36-48 32-39-57	782 1172 34-40-55 35-44-64	937 1405 36-44-61 39-49-69	1093 1640 38-46-65 41-49-74	1250 1875 40-50-69 44-57-78	1406 2110 46-52-73 49-60-83	
	 2S  2G	CFM/SIDE THROW, FT.	937 32-40-55	1250 37-47-63	1562 42-53-72	1875 47-57-77	2187 50-60-83	2500 53-65-88	2812 57-68-95	
	 1S	CFM/SIDE THROW, FT.	1875 42-53-72	2500 49-60-83	3125 56-69-93	3750 60-72-102	4375 63-77-109	5000 69-83-116	5625 72-88-123	
36 x 36 9.0 SQ. FT.				A B	A B	A B	A B	A B	A B	A B
	RETURN FACTORS	—SP=3.6 TP NC + 9	CFM NC	2700 18	3600 25	4500 31	5400 36	6300 40	7200 44	8100 48
				A B	A B	A B	A B	A B	A B	A B
	 4A	CFM/SIDE THROW, FT.	675 30-37-51	900 34-41-57	1125 39-46-67	1350 41-51-74	1575 44-53-78	1800 51-57-83	2025 51-64-87	
	 3A	CFM/SIDE THROW, FT.	675 1010 30-37-51 34-44-60	900 1350 34-41-57 40-48-68	1125 1687 39-46-67 46-56-78	1350 2025 41-51-74 48-60-82	1575 2362 44-53-78 52-64-88	1800 2700 51-57-83 58-70-94	2025 3038 51-64-87 62-74-100	
9.0 SQ. FT.	 2S  2G	CFM/SIDE THROW, FT.	1350 40-45-67	1800 43-54-76	2250 50-61-86	2700 54-65-92	3150 58-70-101	3600 61-76-104	4050 67-79-113	
	 1S	CFM/SIDE THROW, FT.	2700 49-61-85	3600 59-70-99	4500 66-80-114	5400 72-85-122	6300 76-91-131	7200 82-97-142	8100 87-106-150	

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS		NECK VELOCITY TP	400 .026	600 .058	800 .103	900 .130	1000 .161	1200 .231	1400 .315
18 x 18 6" ROUND	RETURN FACTORS	—SP=0.7 TP NC + 0	CFM NC	78 —	118 11	157 19	176 21	196 25	235 30	274 35
	 4A	CFM/SIDE THROW, FT.	20 2-4-6	29 4-7-10	39 6-8-11	44 7-8-12	49 7-8-13	59 8-9-14	69 8-10-15	
	 3A	CFM/SIDE THROW, FT.	20 29 2-4-6 2-4-7	29 44 4-7-10 4-8-11	39 59 6-8-11 7-9-12	44 66 7-8-12 8-9-13	49 74 7-8-13 8-9-14	59 88 8-9-14 9-10-15	69 103 8-10-15 9-11-17	
	 2S  2G	CFM/SIDE THROW, FT.	39 3-4-9	59 5-6-13	78 6-9-15	88 6-10-16	98 7-11-17	118 8-13-18	137 9-14-20	
	 1S	CFM/SIDE THROW, FT.	78 4-7-14	118 6-10-18	157 9-14-21	176 10-15-23	196 11-16-24	235 12-18-26	274 13-19-28	
18 x 18 8" ROUND	RETURN FACTORS	—SP=0.8 TP NC + 0	CFM NC	140 —	209 13	279 21	314 23	349 27	419 32	489 37
	 4A	CFM/SIDE THROW, FT.	35 4-8-10	52 6-9-13	70 8-10-15	79 9-11-15	87 9-12-17	105 10-13-19	122 11-14-20	
	 3A	CFM/SIDE THROW, FT.	35 52 4-8-10 4-9-11	52 79 6-9-13 7-10-14	70 105 8-10-15 9-11-17	79 118 9-11-15 10-12-17	87 131 9-12-17 10-13-18	105 157 10-13-19 11-14-21	122 183 11-14-20 12-15-22	
	 2S  2G	CFM/SIDE THROW, FT.	70 5-17-14	105 6-9-17	140 8-13-20	157 9-14-22	175 10-15-23	209 12-17-25	244 10-13-1	
	 1S	CFM/SIDE THROW, FT.	140 7-12-19	209 9-14-24	279 13-19-28	314 14-21-30	349 15-22-32	419 16-24-34	489 17-26-37	
18 x 18 10" ROUND	RETURN FACTORS	—SP=0.9 TP NC + 2	CFM NC	218 —	327 16	436 24	491 26	545 30	654 35	763 40
	 4A	CFM/SIDE THROW, FT.	55 4-8-12	82 8-11-17	109 10-13-19	123 11-14-20	136 12-15-21	164 12-16-23	191 13-17-24	
	 3A	CFM/SIDE THROW, FT.	55 82 4-8-12 4-9-13	82 123 8-11-17 9-12-19	109 164 10-13-19 11-14-21	123 184 11-14-20 12-15-22	136 204 12-15-21 13-17-23	164 245 12-16-23 13-18-25	191 286 13-17-24 14-19-26	
	 2S  2G	CFM/SIDE THROW, FT.	109 5-7-15	164 7-11-22	218 10-15-25	245 12-17-27	273 13-19-28	327 14-21-30	382 15-23-34	
	 1S	CFM/SIDE THROW, FT.	218 7-12-22	327 12-17-31	436 15-23-25	491 17-26-37	545 19-27-39	654 20-29-42	763 22-32-45	
18 x 18 12" ROUND	RETURN FACTORS	—SP=1.0 TP NC + 3	CFM NC	314 —	471 18	628 26	707 28	785 32	942 37	1099 42
	 4A	CFM/SIDE THROW, FT.	79 6-9-15	118 8-11-18	157 10-15-23	177 13-17-24	196 14-18-25	236 15-20-28	275 17-21-30	
	 3A	CFM/SIDE THROW, FT.	79 118 6-9-15 7-10-17	118 177 8-11-18 9-12-20	157 236 10-15-23 11-17-25	177 265 13-17-24 14-19-26	196 294 14-18-25 15-20-28	236 353 15-20-28 17-23-31	275 412 17-21-30 19-23-33	
	 2S  2G	CFM/SIDE THROW, FT.	157 6-9-19	236 9-14-26	314 11-16-29	353 14-21-32	393 15-23-34	471 16-24-38	550 18-27-40	
	 1S	CFM/SIDE THROW, FT.	314 9-14-28	471 14-21-37	628 19-28-42	707 21-32-45	785 23-34-47	942 24-36-51	1099 27-39-55	
18 x 18 14" ROUND	RETURN FACTORS	—SP=1.1 TP NC + 4	CFM NC	427 —	641 20	854 28	961 30	1068 34	1282 39	1495 44
	 4A	CFM/SIDE THROW, FT.	107 7-10-19	160 10-15-23	214 14-19-26	240 15-20-29	267 17-21-30	320 19-23-32	374 21-26-38	
	 3A	CFM/SIDE THROW, FT.	107 160 7-10-19 8-11-21	160 240 10-15-23 11-17-25	214 320 14-19-26 15-21-29	240 360 15-20-29 17-22-32	267 401 17-21-30 19-23-33	320 481 19-23-32 21-25-35	374 561 21-26-38 23-29-42	
	 2S  2G	CFM/SIDE THROW, FT.	214 7-11-22	320 11-16-31	427 14-22-36	481 16-24-38	534 18-27-40	641 19-28-43	748 21-31-47	
	 1S	CFM/SIDE THROW, FT.	427 11-16-32	641 16-24-42	854 24-33-50	961 24-37-52	1068 27-39-55	1282 29-42-60	1495 33-45-65	
18 x 18 16" ROUND	RETURN FACTORS	—SP=1.3 TP NC + 6	CFM NC	558 —	837 22	1116 30	1256 32	1395 36	1674 41	1953 46
	 4A	CFM/SIDE THROW, FT.	140 8-12-21	209 12-19-26	279 17-21-31	314 19-23-32	349 20-25-35	419 22-28-42	488 24-30-48	
	 3A	CFM/SIDE THROW, FT.	140 209 8-12-21 9-13-23	209 314 12-19-26 13-21-29	279 419 17-21-31 19-23-34	314 471 19-23-32 21-25-35	349 523 20-25-35 22-28-38	419 628 22-28-42 24-31-46	488 732 24-30-48 26-33-53	
	 2S  2G	CFM/SIDE THROW, FT.	279 8-13-25	419 13-19-35	558 16-25-41	628 19-28-43	698 20-30-45	837 23-34-49	977 26-37-54	
	 1S	CFM/SIDE THROW, FT.	558 13-19-38	837 19-28-49	1116 25-38-57	1256 28-42-60	1395 31-44-63	1674 36-48-69	1953 42-52-75	

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
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 18 7-11-13 5-6-10	50 25 10-12-16 6-7-11	62 31 11-13-18 7-10-12	75 37 12-14-19 7-10-13	87 44 12-16-20 10-11-14	100 50 13-17-22 10-12-15	112 56 14-18-23 11-12-16
	 3A1	CFM/SIDE THROW, FT.	47 18 10-11-14 5-6-10	62 25 11-12-17 6-7-11	78 31 12-13-19 7-10-12	94 37 13-14-20 7-10-13	109 44 14-16-22 10-11-14	125 50 14-17-23 10-12-15	140 56 16-18-26 11-12-16
	 3A2	CFM/SIDE THROW, FT.	42 35 8-12-14 6-8-13	55 47 10-13-17 8-10-14	70 58 12-14-19 10-12-16	84 70 13-16-21 10-13-17	98 82 13-17-22 12-13-18	112 94 14-18-23 12-14-19	126 105 16-19-25 13-16-21
	 2A 2B	CFM/SIDE THROW, FT.	56 11-12-16	75 12-14-19	93 13-16-22	112 14-18-23	131 16-19-24	150 17-20-26	168 18-22-28
	 2C 2E	CFM/SIDE THROW, FT.	75 37 12-14-19 8-12-14	100 50 13-16-22 10-13-17	125 62 14-18-25 12-14-19	150 75 16-19-29 13-16-21	175 87 17-21-29 13-17-25	200 100 18-22-31 14-18-23	225 112 20-23-33 16-20-25
	 1A 1B	CFM/SIDE THROW, FT.	112 14-17-23	150 17-19-29	187 19-22-31	225 21-23-34	262 22-25-36	300 23-29-39	337 25-29-42
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 18 11-13-17 5-6-10	75 25 12-14-19 6-7-11	94 31 13-17-22 7-10-12	113 37 14-18-23 7-10-13	131 44 16-19-26 10-11-14	150 50 17-20-26 10-11-14	169 56 18-22-29 11-12-16
	 3A1	CFM/SIDE THROW, FT.	66 18 11-13-18 5-6-10	87 25 12-14-20 6-7-11	109 31 13-17-23 7-10-12	131 37 14-18-26 7-10-13	153 44 16-19-26 10-11-14	175 50 17-20-29 10-11-14	197 56 18-22-30 11-12-16
	 3B	CFM/SIDE THROW, FT.	75 37 11-16-20 8-12-14	100 50 14-18-23 10-13-17	126 62 16-20-27 12-14-19	150 75 18-22-29 13-16-21	176 87 18-23-31 13-17-25	200 100 20-25-32 14-18-23	226 112 22-27-34 16-20-25
	 2A 2B	CFM/SIDE THROW, FT.	75 11-13-18	100 12-14-20	125 13-17-23	150 14-18-26	175 16-19-26	200 17-20-29	225 18-22-30
	 2C 2E	CFM/SIDE THROW, FT.	112 37 14-17-23 8-12-14	150 50 17-19-29 10-13-17	188 62 19-22-31 12-14-19	225 75 21-23-34 13-16-21	263 87 22-25-36 13-17-25	300 100 23-29-39 14-18-23	338 112 25-29-42 16-20-25
	 1A 1B	CFM/SIDE THROW, FT.	150 14-17-23	200 17-19-29	250 19-22-31	300 21-23-34	350 22-25-36	400 23-29-39	450 25-29-42
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 18 11-13-18 5-6-10	100 25 12-14-20 6-7-11	125 31 13-17-23 7-10-12	150 37 14-18-26 7-10-13	175 44 16-19-26 10-11-14	200 50 17-20-29 10-11-14	225 56 18-22-30 11-12-16
	 4E	CFM/SIDE THROW, FT.	56 37 11-12-16 10-11-14	75 50 12-14-19 11-12-17	94 62 12-17-22 12-13-19	113 75 14-18-23 13-14-20	131 87 16-19-26 14-16-22	150 100 16-20-26 14-17-23	169 112 18-22-29 16-18-26
	 3A1	CFM/SIDE THROW, FT.	84 18 12-13-19 5-6-10	112 25 13-16-22 6-7-11	140 31 14-18-24 7-10-12	169 37 16-19-26 7-10-13	197 44 17-20-28 10-11-14	225 50 18-22-30 10-11-14	253 56 19-23-34 11-12-16
	 2A 2B	CFM/SIDE THROW, FT.	94 12-14-20	125 13-16-23	156 14-19-26	187 16-20-28	219 17-22-30	250 18-23-31	281 19-26-35
	 2C 2E	CFM/SIDE THROW, FT.	150 37 14-17-23 8-12-14	200 50 17-19-29 10-13-17	250 62 19-22-31 12-14-19	300 75 21-23-34 13-16-21	350 87 22-25-36 13-17-22	400 100 23-29-39 14-18-23	450 112 25-29-42 16-20-25
	 1A 1B	CFM/SIDE THROW, FT.	188 16-19-26	250 18-22-30	312 21-25-34	375 22-29-38	438 23-29-40	500 25-31-43	563 29-32-45

Notes:

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

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
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 12-14-20 5-6-10	125 25 13-17-23 6-7-11	156 31 14-19-25 7-10-12	188 37 16-20-28 7-10-13	218 44 17-22-30 10-11-14	250 50 18-23-31 10-11-14	281 56 19-26-35 11-12-16
	 4E	CFM/SIDE THROW, FT.	56 56 11-13-17 11-13-17	75 75 12-14-19 12-14-19	94 94 13-17-22 13-17-22	113 113 14-18-23 14-18-23	131 131 16-19-26 16-19-26	150 150 17-20-26 17-20-26	169 169 18-22-29 18-22-29
	 3A1	CFM/SIDE THROW, FT.	103 18 12-14-20 5-6-10	137 25 13-17-23 6-7-11	172 31 14-19-25 7-10-12	206 37 16-20-28 7-10-13	240 44 17-22-30 10-11-14	275 50 18-23-31 10-11-14	309 56 19-26-35 11-12-16
	 2A  2B	CFM/SIDE THROW, FT.	112 13-16-22	150 16-18-26	187 18-20-29	225 19-22-31	262 20-23-34	300 22-26-36	337 23-26-38
	 2C  2E  2D  2F	CFM/SIDE THROW, FT.	187 37 16-19-26 8-12-14	250 50 18-22-30 10-13-17	313 62 21-25-34 12-14-19	375 75 23-29-38 13-16-21	438 87 23-29-40 13-17-22	500 100 25-31-43 14-18-23	563 112 29-32-45 16-19-25
	 1A  1B	CFM/SIDE THROW, FT.	225 17-21-29	300 19-23-32	375 22-26-38	450 23-29-42	525 25-30-44	600 29-32-47	675 29-36-52
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 13-16-22 5-6-10	150 25 16-18-26 6-7-11	187 31 18-20-29 7-10-12	225 37 19-22-31 7-10-13	262 44 20-23-34 10-11-14	300 50 22-26-36 10-11-14	337 56 23-26-38 11-12-16
	 4E	CFM/SIDE THROW, FT.	75 56 11-13-18 11-13-17	100 75 12-14-20 12-14-19	125 94 13-17-23 13-17-22	150 113 14-18-26 14-18-23	175 131 16-19-26 16-19-26	200 150 17-20-29 17-20-26	225 169 18-22-30 18-22-29
	 3A1	CFM/SIDE THROW, FT.	122 18 13-16-22 5-6-10	162 25 16-18-26 6-7-11	203 31 18-20-29 7-10-12	244 37 19-22-31 7-10-13	284 44 20-23-34 10-11-14	325 50 22-26-36 10-11-14	365 56 23-26-38 11-12-16
	 2A  2B	CFM/SIDE THROW, FT.	131 13-16-22	175 16-18-26	218 18-20-29	262 19-22-31	306 20-23-34	350 22-26-36	393 23-26-38
	 2C  2E  2D  2F	CFM/SIDE THROW, FT.	225 37 17-21-29 8-12-14	300 50 19-23-32 10-13-17	375 62 22-26-38 12-14-19	450 75 23-29-42 13-16-21	525 87 25-30-44 13-17-22	600 100 29-32-47 14-18-23	675 112 29-36-49 16-19-25
	 1A  1B	CFM/SIDE THROW, FT.	262 17-21-29	350 19-23-32	437 22-26-38	525 23-29-42	612 25-30-44	700 29-32-47	787 29-36-49
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 13-16-22 5-6-10	175 25 16-18-26 6-7-11	219 31 18-20-29 7-10-12	263 37 19-22-31 7-10-13	306 44 20-23-34 10-11-14	350 50 22-26-36 10-11-14	394 56 23-26-38 11-12-16
	 4E	CFM/SIDE THROW, FT.	75 75 11-13-18 11-13-18	100 100 12-14-20 12-14-20	125 125 13-17-23 13-17-23	150 150 14-18-26 14-18-26	175 175 16-19-26 16-19-26	200 200 17-20-29 17-20-29	225 225 18-22-30 18-22-30
	 3A1	CFM/SIDE THROW, FT.	141 18 13-16-22 5-6-10	187 25 16-18-26 6-7-11	234 31 18-20-29 7-10-12	281 37 19-22-31 7-10-13	328 44 20-23-34 10-11-14	375 50 22-26-36 10-11-14	422 56 23-26-38 11-12-16
	 2A  2B	CFM/SIDE THROW, FT.	150 13-16-22	200 16-18-26	250 18-20-29	300 19-22-31	350 20-23-34	400 22-26-36	450 23-26-38
	 2C  2E  2D  2F	CFM/SIDE THROW, FT.	260 37 17-21-29 8-12-14	350 50 19-23-32 10-13-17	438 62 22-26-38 12-14-19	525 75 23-29-42 13-16-21	613 87 25-30-44 13-17-22	700 100 29-32-47 14-18-23	788 112 29-36-49 16-19-25
	 1A  1B	CFM/SIDE THROW, FT.	300 18-22-31	400 21-25-36	500 23-29-42	600 25-30-44	700 29-32-47	800 29-34-51	900 31-38-53

Notes:

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

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMR2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
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 16-19-26 5-6-10	225 25 18-22-30 6-8-12	281 31 21-25-34 8-10-13	338 37 22-29-38 8-10-14	393 44 23-29-40 10-12-16	450 50 25-31-43 10-12-16	506 56 27-32-45 12-13-17
	 4E	CFM/SIDE THROW, FT.	94 94 13-16-22 13-16-22	125 125 14-18-25 14-18-25	156 156 16-21-29 16-21-29	188 188 17-22-30 17-22-30	219 219 18-23-32 18-23-32	250 250 19-25-34 19-25-34	282 282 21-29-38 21-29-38
	 3A1	CFM/SIDE THROW, FT.	178 18 16-19-26 5-6-10	237 25 18-22-30 6-8-12	297 31 21-25-34 8-10-13	356 37 22-29-38 8-10-14	415 44 23-29-40 10-12-16	475 50 25-31-43 10-12-16	534 56 27-32-45 12-13-17
	 2A  2B	CFM/SIDE THROW, FT.	187 16-19-26	250 18-22-30	312 21-25-34	375 22-29-38	437 23-29-40	500 25-31-43	562 27-32-45
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	337 37 18-22-31 8-12-14	450 50 21-25-36 10-13-17	563 62 23-29-42 12-14-19	675 75 25-30-44 13-16-21	788 87 27-32-47 13-17-22	900 100 29-34-51 14-18-23	1013 112 31-38-53 16-19-25
	 1A  1B	CFM/SIDE THROW, FT.	375 19-23-32	500 22-29-39	625 25-31-44	750 27-34-47	875 29-36-51	1000 31-39-55	1125 32-42-57
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 10-13-17 6-8-13	94 56 12-14-19 8-10-14	117 70 13-16-22 10-12-16	141 84 14-17-23 10-13-17	164 98 16-18-25 12-13-18	188 112 16-19-27 12-14-19	211 126 17-21-29 13-16-21
	 3A1	CFM/SIDE THROW, FT.	91 42 13-16-22 6-8-13	121 56 14-18-25 8-10-14	152 70 16-21-29 10-12-16	183 84 17-22-30 10-13-17	213 98 18-23-32 12-13-18	244 112 19-25-34 12-14-19	274 126 21-29-38 13-16-21
	 3A2	CFM/SIDE THROW, FT.	75 75 13-15-20 13-15-20	100 100 14-17-22 14-17-22	125 125 15-20-25 15-20-25	150 150 17-21-27 17-21-27	175 175 18-22-31 18-22-31	200 200 20-24-31 20-24-31	225 225 21-25-34 21-25-34
	 2A  2B	CFM/SIDE THROW, FT.	112 14-17-23	150 17-19-29	187 19-22-31	225 21-23-34	262 22-25-36	300 23-27-39	337 25-29-42
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	141 84 15-18-25 13-15-20	188 112 18-21-31 14-17-22	234 141 21-24-34 15-20-25	281 169 22-25-36 17-21-27	328 197 24-27-39 18-22-31	375 225 25-29-42 20-24-31	422 253 27-31-45 21-25-34
	 1A  1B	CFM/SIDE THROW, FT.	225 18-22-31	300 21-25-35	375 24-29-41	450 25-31-45	525 27-32-48	600 31-35-50	675 31-39-53
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 13-16-22 6-8-13	131 56 14-18-25 8-10-14	165 70 16-21-29 10-12-16	198 84 17-22-30 10-13-17	230 98 18-23-32 12-13-18	263 112 19-25-34 12-14-19	296 126 21-29-38 13-16-21
	 4E	CFM/SIDE THROW, FT.	70 70 12-14-19 12-14-19	94 94 13-16-22 13-16-22	117 117 14-18-25 14-18-25	141 141 16-19-29 16-19-29	164 164 17-21-29 17-21-29	188 188 18-22-31 18-22-31	211 211 19-23-32 19-23-32
	 3A1	CFM/SIDE THROW, FT.	120 42 14-17-23 6-8-13	159 56 17-19-29 8-10-14	200 70 19-22-31 10-12-16	240 84 21-23-34 10-13-17	279 98 22-25-36 12-13-18	319 112 23-27-39 12-14-19	359 126 25-29-42 13-16-21
	 3A2	CFM/SIDE THROW, FT.	117 82 14-15-22 11-14-18	155 110 15-18-25 13-15-21	196 137 17-21-28 14-17-24	233 165 18-22-31 15-18-25	272 192 20-24-32 17-20-27	312 219 21-25-35 17-21-31	351 247 22-27-39 18-22-31
	 2A  2B	CFM/SIDE THROW, FT.	140 14-17-23	187 17-19-29	235 19-22-31	281 21-23-34	328 22-25-36	375 23-29-39	422 25-29-42
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	197 84 17-21-28 13-15-20	263 112 20-24-32 14-17-22	329 141 22-27-36 15-20-25	394 169 24-31-41 17-21-27	459 197 25-31-43 18-22-30	525 225 27-34-46 20-24-32	592 253 31-35-49 21-25-34
	 1A  1B	CFM/SIDE THROW, FT.	281 20-24-34	375 22-27-39	470 25-31-45	563 27-32-48	656 29-35-50	750 31-36-55	845 34-41-57

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NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
18 x 9 1.125 SQ. FT.	RETURN FACTORS —SP=2.1 TP NC + 3	CFM NC	335 —	450 19	560 25	675 30	790 35	900 38	1010 42
	 4B  4C	CFM/SIDE THROW, FT.	126 42 14-17-23 6-8-13	169 56 17-19-29 8-10-14	211 70 19-22-31 10-12-16	254 84 21-23-34 10-13-17	296 98 22-25-36 12-13-18	338 112 23-27-39 12-14-19	380 126 25-29-42 13-16-21
	 4E	CFM/SIDE THROW, FT.	99 70 13-16-22 12-14-19	132 94 14-18-25 13-16-22	164 117 16-21-29 14-18-25	197 141 17-22-30 16-19-29	230 164 18-23-32 17-21-29	263 188 19-25-34 18-22-31	296 211 21-29-38 19-23-32
	 3A1	CFM/SIDE THROW, FT.	147 42 14-17-23 6-8-13	197 56 17-19-29 8-10-14	246 70 19-22-31 10-12-16	295 84 21-23-34 10-13-17	345 98 22-25-36 12-13-18	394 112 23-27-39 12-14-19	443 126 25-29-42 13-16-21
	 3B	CFM/SIDE THROW, FT.	168 84 17-21-28 13-15-20	225 112 19-23-32 14-17-22	281 141 21-27-36 15-20-25	337 169 23-28-40 17-21-27	394 197 25-30-42 18-22-31	450 225 27-32-46 20-24-31	506 253 28-34-47 21-25-34
	 2A 2B	CFM/SIDE THROW, FT.	163 16-19-26	225 18-22-30	281 21-25-34	337 22-29-38	394 23-29-40	450 25-31-43	506 29-32-45
	 2C 2E  2D 2F	CFM/SIDE THROW, FT.	253 84 18-22-31 13-15-20	338 112 21-25-35 14-17-22	421 141 24-28-41 15-20-25	506 169 25-31-45 17-21-27	591 197 27-32-48 18-22-31	675 225 29-35-50 20-24-31	759 253 31-39-53 21-25-34
	 1A 1B	CFM/SIDE THROW, FT.	337 20-24-34	450 22-27-39	562 25-31-45	675 27-32-48	788 29-35-50	900 31-36-55	1012 34-41-57
21 x 9 1.125 SQ. FT.	RETURN FACTORS —SP=2.5 TP NC + 4	CFM NC	395 —	525 19	655 25	785 31	915 36	1050 38	1180 42
	 4B  4C	CFM/SIDE THROW, FT.	154 42 16-19-26 6-8-13	206 56 18-22-30 8-10-14	258 70 21-25-34 10-12-16	309 84 22-29-38 10-13-17	360 98 23-29-40 12-13-18	413 112 25-31-43 12-14-19	464 126 29-32-45 13-16-21
	 4E	CFM/SIDE THROW, FT.	98 98 13-16-22 13-16-22	131 131 14-18-25 14-18-25	163 163 16-21-29 16-21-29	196 196 17-22-30 17-22-30	229 229 18-23-32 18-23-32	261 261 19-25-34 19-25-34	294 294 21-29-38 21-29-38
	 3A1	CFM/SIDE THROW, FT.	175 42 16-19-26 6-8-13	234 56 18-22-30 8-10-14	292 70 21-25-34 10-12-16	351 84 22-29-38 10-13-17	410 98 23-29-40 12-13-18	468 112 25-31-43 12-14-19	527 126 29-32-45 13-16-21
	 2A 2B	CFM/SIDE THROW, FT.	196 16-19-26	262 18-22-30	327 21-25-34	393 22-27-38	458 23-29-40	525 25-31-43	590 29-32-45
	 2C 2E  2D 2F	CFM/SIDE THROW, FT.	308 84 20-24-34 13-15-20	412 112 22-27-39 14-17-22	514 141 25-31-45 15-20-25	617 169 27-32-48 17-21-27	720 197 31-35-50 18-22-29	825 225 31-36-55 20-24-31	927 253 34-41-57 21-25-34
	 1A 1B	CFM/SIDE THROW, FT.	393 21-25-35	524 24-31-42	655 27-34-48	786 29-36-50	917 31-39-55	1050 34-42-59	1180 35-45-62
	RETURN FACTORS —SP=2.9 TP NC + 4	CFM NC	450 —	600 19	750 25	900 31	1050 36	1200 38	1350 43
24 x 9 1.5 SQ. FT.	 4B  4C	CFM/SIDE THROW, FT.	183 42 17-21-28 7-8-14	244 56 20-24-32 8-11-15	305 70 22-27-36 11-13-17	366 84 24-29-41 11-14-18	427 98 25-31-43 13-14-20	488 112 27-34-46 13-15-21	549 126 31-35-49 14-17-22
	 4E	CFM/SIDE THROW, FT.	126 99 15-18-25 14-17-24	169 132 18-21-31 15-20-27	211 164 21-24-34 17-22-31	253 197 22-25-36 18-24-32	295 230 24-27-39 20-25-35	337 263 25-31-42 21-27-36	379 296 27-31-45 22-31-41
	 3A1	CFM/SIDE THROW, FT.	204 42 17-21-28 7-8-14	272 56 20-24-32 8-11-15	340 70 22-27-36 11-13-17	408 84 24-29-41 11-14-18	476 98 25-31-43 13-14-20	544 112 27-34-46 13-15-21	612 126 31-35-49 14-17-22
	 2A 2B	CFM/SIDE THROW, FT.	225 18-22-31	300 21-25-35	375 24-28-41	450 25-31-45	525 27-32-48	600 29-35-50	675 31-39-53
	 2C 2E  2D 2F	CFM/SIDE THROW, FT.	365 84 21-25-35 13-15-20	488 112 24-31-42 14-17-22	609 141 27-34-48 15-20-25	731 169 29-36-50 17-21-27	853 197 31-39-55 18-22-29	975 225 34-42-59 20-24-31	1097 253 35-45-62 21-25-34
	 1A 1B	CFM/SIDE THROW, FT.	450 21-25-35	600 24-31-42	750 27-34-48	900 29-36-50	1050 31-39-55	1200 34-42-59	1350 35-45-62
	RETURN FACTORS —SP=2.9 TP NC + 4	CFM NC	450 —	600 19	750 25	900 31	1050 36	1200 38	1350 43
	 4B  4C	CFM/SIDE THROW, FT.	183 42 17-21-28 7-8-14	244 56 20-24-32 8-11-15	305 70 22-27-36 11-13-17	366 84 24-29-41 11-14-18	427 98 25-31-43 13-14-20	488 112 27-34-46 13-15-21	549 126 31-35-49 14-17-22

Notes:

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- For core styles 1A, 1B, 2A and 2B, the "A" direction is shown. Throw correction factor for "B" direction is: $A \times .82 = B$.

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS		NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
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 18-22-31 7-8-14	319 56 21-25-35 8-11-15	398 70 24-28-41 11-13-17	478 84 25-31-45 11-14-18	557 98 27-32-48 13-14-20	638 112 29-35-50 13-15-21	716 126 31-39-53 14-17-22
	 4E		CFM/SIDE THROW, FT.	155 126 17-21-28 15-18-25	206 169 20-24-32 18-21-31	258 211 22-27-36 21-24-34	310 253 24-31-41 22-25-36	361 295 25-31-42 24-27-39	413 337 27-34-46 25-29-42	465 379 31-35-49 27-31-45
	 3A1		CFM/SIDE THROW, FT.	259 42 18-22-31 7-8-14	347 56 21-25-35 8-11-15	433 70 24-28-41 11-13-17	520 84 25-31-45 11-14-18	606 98 27-32-48 13-14-20	694 112 29-35-50 13-15-21	779 126 31-39-53 14-17-22
	 2A	 2B	CFM/SIDE THROW, FT.	281 20-24-34	375 22-27-39	468 25-31-45	562 27-32-48	655 29-35-50	750 31-36-55	842 34-41-57
	 2C	 2E	CFM/SIDE THROW, FT.	476 84 22-27-39 13-15-20	638 112 25-31-45 14-17-22	796 141 28-35-50 15-20-25	956 169 31-39-55 17-21-27	1113 197 32-42-59 18-22-31	1275 225 35-45-62 20-24-31	1432 253 39-48-66 21-25-34
	 1A	 1B	CFM/SIDE THROW, FT.	562 22-27-39	750 25-31-45	937 28-35-50	1125 31-39-55	1310 32-42-59	1500 35-45-62	1685 39-48-66
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 20-24-34 7-8-14	394 56 22-27-39 8-11-15	492 70 25-31-45 11-13-17	591 84 27-32-48 11-14-18	689 98 29-35-50 13-14-20	788 112 31-36-55 13-15-21	886 126 34-41-57 14-17-22
	 4E		CFM/SIDE THROW, FT.	183 155 17-21-28 17-21-28	244 206 20-24-32 20-24-32	305 258 22-27-36 22-27-36	366 310 24-31-41 24-31-41	427 361 25-31-42 25-31-42	488 413 27-34-46 27-34-46	549 465 31-35-49 31-35-49
	 3A1		CFM/SIDE THROW, FT.	316 42 20-24-34 7-8-14	422 56 22-27-39 8-11-15	527 70 25-31-45 11-13-17	633 84 27-32-48 11-14-18	738 98 29-35-50 13-14-20	844 112 31-36-55 13-15-21	949 126 34-41-57 14-17-22
	 2A	 2B	CFM/SIDE THROW, FT.	337 20-24-34	450 22-27-39	562 25-31-45	675 27-32-48	787 29-35-50	900 31-36-55	1012 34-41-57
	 2C	 2E	CFM/SIDE THROW, FT.	590 84 24-31-42 13-15-20	788 112 28-34-48 14-17-22	984 141 32-39-55 15-20-25	1181 169 34-42-57 17-21-27	1378 197 36-45-62 18-22-29	1575 225 41-49-66 20-24-31	1772 253 43-52-70 21-25-34
	 1A	 1B	CFM/SIDE THROW, FT.	675 24-31-42	900 28-34-48	1125 32-39-55	1350 34-42-57	1575 36-45-62	1800 41-49-66	2025 43-52-70
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 13-15-21 8-13-15	150 100 14-17-24 11-14-18	187 125 15-20-27 13-15-21	225 150 17-21-29 14-17-22	262 175 18-22-31 14-18-24	300 200 20-24-34 15-20-25	337 225 21-25-35 17-21-27
	 3A1		CFM/SIDE THROW, FT.	150 75 15-18-25 8-13-15	200 100 18-21-31 11-14-18	250 125 21-24-34 13-15-21	300 150 22-25-36 14-17-22	350 175 24-27-39 14-18-24	400 200 25-29-42 15-20-25	450 225 27-31-45 17-21-27
	 3A2		CFM/SIDE THROW, FT.	117 129 11-14-18 14-15-22	156 172 13-15-21 15-18-25	195 215 14-17-24 17-21-28	234 258 15-18-25 18-22-31	273 301 17-20-27 20-24-32	312 344 17-21-29 21-25-35	351 387 18-22-31 22-27-39
	 2A	 2B	CFM/SIDE THROW, FT.	187 17-21-28	250 20-24-32	312 22-27-36	375 24-29-41	437 25-31-43	500 27-34-46	567 31-35-49
	 2C	 2E	CFM/SIDE THROW, FT.	225 150 18-22-31 14-17-24	300 200 21-25-35 15-20-27	375 250 24-28-41 17-22-31	450 300 25-31-45 18-24-32	525 350 27-32-48 20-25-35	600 400 31-35-50 21-27-36	675 450 31-39-53 22-31-41
	 1A	 1B	CFM/SIDE THROW, FT.	375 21-25-35	500 24-31-42	625 27-34-48	750 29-36-50	875 31-39-55	1000 34-42-59	1125 35-45-62

Notes:

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

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
18 x 12 1.5 SQ. FT.	RETURN FACTORS —SP=1.9 TP NC + 3	CFM NC	450 —	600 20	750 26	900 31	1050 35	1200 39	1350 42
	 4B  4C	CFM/SIDE THROW, FT.	150 75 15-18-25 8-13-15	200 100 18-21-31 11-14-18	250 125 21-24-34 13-15-21	300 150 22-25-36 14-17-22	350 175 24-27-39 14-18-24	400 200 25-31-42 15-20-25	450 225 27-31-45 17-21-27
	 3A1	CFM/SIDE THROW, FT.	187 75 17-21-28 8-13-15	250 100 20-24-32 11-14-18	312 125 22-27-36 13-15-21	375 150 24-31-41 14-17-22	437 175 25-31-43 14-18-24	500 200 27-34-46 15-20-25	562 225 31-35-49 17-21-27
	 3A2	CFM/SIDE THROW, FT.	168 141 14-17-24 13-15-21	225 187 15-20-27 14-17-24	281 234 17-22-31 15-20-27	337 281 18-24-32 17-21-31	394 328 20-25-35 18-22-31	450 375 21-27-36 20-24-34	506 422 22-31-41 21-25-35
	 2A  2B	CFM/SIDE THROW, FT.	225 18-22-31	300 21-25-35	375 24-28-41	450 25-31-45	525 27-32-48	600 29-35-50	675 31-39-53
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	300 150 20-24-34 14-17-24	400 200 22-27-39 15-20-27	500 250 25-31-45 17-22-31	600 300 27-32-48 18-24-32	700 350 29-35-50 20-25-35	800 400 31-36-55 21-27-36	900 450 34-41-57 22-31-41
	 1A  1B	CFM/SIDE THROW, FT.	450 21-25-35	600 24-31-42	750 27-34-48	900 29-36-50	1050 31-39-55	1200 34-42-59	1350 35-45-62
21 x 12 1.75 SQ. FT.	RETURN FACTORS —SP=2.2 TP NC + 5	CFM NC	525 —	700 20	875 26	1050 31	1225 35	1400 39	1575 42
	 4B  4C	CFM/SIDE THROW, FT.	187 75 17-21-28 8-13-15	250 100 20-24-32 11-14-18	312 125 22-27-36 13-15-21	375 150 24-31-41 14-17-22	437 175 25-32-43 14-18-24	500 200 27-34-46 15-20-25	562 225 31-35-49 17-21-27
	 4E	CFM/SIDE THROW, FT.	150 112 15-18-25	200 150 18-21-31 15-18-25	250 187 21-24-34	300 225 22-25-36	350 282 24-27-39	400 300 25-31-42 22-25-36	450 337 27-31-45
	 3A1	CFM/SIDE THROW, FT.	225 75 18-22-31 8-13-15	300 100 21-25-35 11-14-18	375 125 24-28-41 13-15-21	450 150 25-31-45 14-17-22	525 175 27-32-48 14-18-24	600 200 29-35-50 15-20-25	675 225 31-39-53 17-21-27
	 3A2	CFM/SIDE THROW, FT.	230 148 14-17-24 13-15-21	306 197 15-20-27 14-17-24	382 246 17-22-31 15-20-27	460 295 18-24-32 17-21-31	535 345 20-25-35 18-22-31	612 394 21-27-36 20-24-34	688 443 22-31-41 21-25-35
	 2A  2B	CFM/SIDE THROW, FT.	262 18-22-31	350 21-25-35	437 24-28-41	525 25-31-45	612 27-32-48	700 29-35-50	787 31-39-53
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	375 150 21-25-35 14-17-24	500 200 24-31-42 15-20-27	625 250 27-34-48 17-22-31	750 300 29-36-50 18-24-32	875 350 31-39-55 20-25-35	1000 400 34-42-59 21-27-36	1125 450 35-45-62 22-31-41
	 1A  1B	CFM/SIDE THROW, FT.	525 22-27-39	700 25-31-45	875 28-35-50	1050 31-39-55	1225 32-42-59	1400 35-45-62	1575 39-48-66
24 x 12 2.0 SQ. FT.	RETURN FACTORS —SP=2.6 TP NC + 5	CFM NC	600 12	800 21	1000 27	1200 32	1400 36	1600 40	1800 43
	 4B  4C	CFM/SIDE THROW, FT.	225 75 18-22-31 8-13-15	300 100 21-25-35 11-14-18	375 125 24-28-41 13-15-21	450 150 25-31-45 14-17-22	525 175 27-32-48 14-18-24	600 200 29-35-50 15-20-25	675 225 31-39-53 17-21-27
	 4E	CFM/SIDE THROW, FT.	150 150 15-18-25 15-18-25	200 200 18-21-31 18-21-31	250 250 21-24-34 21-24-34	300 300 22-25-36 22-25-36	350 350 24-27-39 24-27-39	400 400 25-31-42 25-31-42	450 450 27-31-45 27-31-45
	 3A1	CFM/SIDE THROW, FT.	262 75 18-22-31 8-13-15	350 100 21-25-35 11-14-18	437 175 24-28-41 13-15-21	525 150 25-31-45 14-17-22	612 175 27-32-48 14-18-24	700 200 29-35-50 15-20-25	787 225 31-39-53 17-21-27
	 3B	CFM/SIDE THROW, FT.	300 150 15-18-25 14-17-24	400 200 18-21-31 15-20-27	500 250 21-24-34 17-22-31	600 300 22-25-36 18-24-32	700 350 24-27-39 20-25-35	800 400 25-31-42 21-27-36	900 450 27-31-45 22-31-41
	 2A  2B	CFM/SIDE THROW, FT.	300 20-24-34	400 22-27-39	500 25-31-45	600 27-32-48	700 29-35-50	800 31-36-55	900 34-41-57
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	450 150 21-25-35 14-17-24	600 200 24-31-42 15-20-27	750 250 27-34-48 17-22-31	900 300 29-36-50 18-24-32	1050 350 31-39-55 20-25-35	1200 400 34-42-59 21-27-36	1350 450 35-45-62 22-31-41
	 1A  1B	CFM/SIDE THROW, FT.	600 24-31-42	800 28-34-48	1000 32-39-55	1200 34-42-57	1400 36-45-62	1600 41-49-66	1800 43-52-70

Notes:

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

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
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  4C	CFM/SIDE THROW, FT.	300 75 20-24-34 8-13-15	400 100 22-27-39 11-14-18	500 125 25-31-45 13-15-21	600 150 27-32-48 14-17-22	700 175 29-35-50 14-18-24	800 200 31-36-55 15-20-25	900 225 34-41-57 17-21-27
	 4E	CFM/SIDE THROW, FT.	183 183 17-21-28 17-21-28	250 250 20-24-32 20-24-32	313 313 22-27-36 22-27-36	375 375 24-31-41 24-31-41	437 437 25-31-43 25-31-43	500 500 27-34-46 27-34-46	562 562 31-35-49 31-35-49
	 3A1	CFM/SIDE THROW, FT.	337 75 20-24-34 8-13-15	450 100 22-27-39 11-14-18	562 125 25-31-45 13-15-21	675 150 27-32-48 14-17-22	787 175 29-35-50 14-18-24	900 200 31-36-55 15-20-25	1012 225 34-41-57 17-21-27
	 2A	CFM/SIDE THROW, FT.	375 21-25-35	500 24-31-42	625 27-34-48	750 29-36-50	875 31-39-55	1000 34-42-59	1125 35-45-62
	 2B	CFM/SIDE THROW, FT.	600 150 24-31-41 14-17-24	800 200 28-34-48 15-20-27	1000 250 32-39-55 17-22-31	1200 300 34-42-57 18-24-32	1400 350 36-45-62 20-25-35	1600 400 41-49-66 21-27-36	1800 450 43-52-70 22-31-41
	 1A  1B	CFM/SIDE THROW, FT.	750 25-31-45	1000 31-36-50	1250 34-41-57	1500 36-45-62	1750 39-48-66	2000 42-50-70	2250 45-53-74
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  4C	CFM/SIDE THROW, FT.	375 75 21-25-35 8-13-15	500 100 24-31-42 11-14-18	625 125 27-34-48 13-15-21	750 150 29-36-50 14-17-22	875 175 31-39-55 14-18-24	1000 200 34-42-59 15-20-25	1125 225 35-45-62 17-21-27
	 4E	CFM/SIDE THROW, FT.	225 225 18-22-31 18-22-31	300 300 21-25-35 21-25-35	375 375 24-28-41 24-28-41	450 450 25-31-45 25-31-45	525 525 27-32-48 27-32-48	600 600 29-35-50 29-35-50	675 675 31-39-53 31-39-53
	 3A1	CFM/SIDE THROW, FT.	412 75 21-25-35 8-13-15	550 100 24-31-42 11-14-18	687 125 27-34-48 13-15-21	825 150 29-36-50 14-17-22	962 175 31-39-55 14-18-24	1100 200 34-42-59 15-20-25	1237 225 35-45-62 17-21-27
	 2A	CFM/SIDE THROW, FT.	450 21-25-35	600 24-31-42	750 27-34-48	900 29-36-50	1050 31-39-55	1200 34-42-59	1350 35-45-62
	 2B	CFM/SIDE THROW, FT.	750 150 25-31-45 14-17-24	1000 200 31-35-50 15-20-27	1250 250 34-41-57 17-22-31	1500 300 36-45-62 18-24-32	1750 350 39-48-66 20-25-35	2000 400 42-50-70 21-27-36	2250 450 43-53-74 22-31-41
	 1A  1B	CFM/SIDE THROW, FT.	900 27-34-46	1200 31-39-53	1500 35-45-60	1800 39-48-64	2100 42-50-70	2400 45-55-74	2700 48-57-80
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  4C	CFM/SIDE THROW, FT.	164 117 14-17-24 11-14-18	219 156 15-20-27 13-15-21	273 195 17-22-31 14-17-24	328 234 18-24-32 15-18-25	383 273 20-25-35 17-20-27	438 312 21-27-36 17-21-31	492 351 22-31-41 18-22-31
	 3A1	CFM/SIDE THROW, FT.	222 117 18-22-31 11-14-18	297 156 21-25-35 13-15-21	371 195 24-28-41 14-17-24	445 234 25-31-45 15-18-25	519 273 31-39-55 17-20-27	594 312 31-35-50 17-21-31	668 351 31-39-53 18-22-31
	 3A2	CFM/SIDE THROW, FT.	168 197 13-16-22 18-22-30	225 262 15-18-25 21-25-34	281 328 16-21-28 24-28-39	337 394 18-22-33 25-33-43	394 459 19-24-33 27-33-46	450 525 21-25-36 28-36-49	506 590 22-27-37 33-37-52
	 2A	CFM/SIDE THROW, FT.	281 20-24-34	375 22-27-39	468 25-31-45	562 27-32-48	656 29-35-50	750 31-36-55	843 34-41-57
	 2B	CFM/SIDE THROW, FT.	329 234 25-33-45 18-22-30	438 312 30-36-51 21-25-34	547 390 34-42-58 24-28-39	657 468 36-45-61 25-31-43	766 546 39-48-66 27-33-46	876 624 43-52-70 28-36-49	985 702 46-55-75 33-37-52
	 1A  1B	CFM/SIDE THROW, FT.	562 24-28-42	750 27-33-48	937 30-37-54	1125 33-42-58	1312 34-45-63	1500 37-48-66	1687 42-51-70

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: $A \times .82 = B$.

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS		NECK VELOCITY TP	300 .033		400 .058		500 .090		600 .130		700 .177		800 .231		900 .293	
21 x 15 2.185 SQ. FT.	RETURN FACTORS	—SP=2.1 TP NC + 5	CFM NC	655 14		875 21		1090 28		1310 33		1530 36		1750 39		1970 43	
	 4B	 4C	CFM/SIDE THROW, FT.	210 117 19-24-33 12-15-19	281 156 22-27-37 13-16-22	361 195 25-30-43 15-18-25	422 234 27-33-48 16-19-27	493 273 28-34-51 18-21-28	563 312 33-37-54 18-22-33	634 351 33-42-57 19-24-33							
	 4E		CFM/SIDE THROW, FT.	164 164 18-22-30 18-22-30	218 218 21-25-36 21-25-36	273 273 24-28-39 24-28-39	327 327 25-31-43 25-31-43	382 382 27-33-46 27-33-46	437 437 28-36-49 28-36-49	491 491 33-37-52 33-37-52							
	 3A1		CFM/SIDE THROW, FT.	269 117 19-24-33 12-15-19	359 156 22-27-37 13-16-22	448 195 25-30-43 15-18-25	539 234 27-33-48 16-19-27	629 273 28-34-51 18-21-28	719 312 33-37-54 18-22-33	809 351 33-42-57 19-24-33							
	 3A2		CFM/SIDE THROW, FT.	230 213 16-19-27 15-18-25	306 284 19-22-33 16-21-28	382 355 22-25-36 18-24-33	460 426 24-27-39 19-25-34	535 498 25-28-42 21-27-37	612 569 27-31-45 22-28-39	688 641 28-33-48 24-33-43							
	 2A	 2B	CFM/SIDE THROW, FT.	327 21-25-36	437 24-28-42	596 27-33-48	656 28-34-51	766 31-37-54	875 33-39-58	985 36-43-61							
	 2C	 2D	CFM/SIDE THROW, FT.	422 234 22-27-37 18-22-30	563 312 25-33-45 21-25-34	702 390 28-36-51 24-28-39	844 468 29-39-54 25-33-43	966 546 33-42-58 27-33-46	1126 624 36-45-63 28-36-49	1268 702 37-48-66 33-37-52							
	 1A	 1B	CFM/SIDE THROW, FT.	655 25-33-45	875 30-36-51	1092 33-42-58	1312 36-45-61	1532 39-48-66	1750 43-52-70	1970 46-55-75							
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.	258 117 19-24-33 12-15-19	344 156 22-27-37 13-16-22	430 195 25-30-43 15-18-25	516 234 27-33-48 16-19-27	602 273 28-34-51 18-21-28	688 312 31-37-54 18-22-31	774 351 33-42-57 19-24-33							
	 4E		CFM/SIDE THROW, FT.	164 211 18-22-30 19-24-33	218 281 21-25-36 22-27-37	273 352 24-28-39 25-30-43	327 422 25-31-43 27-33-48	382 492 27-33-46 28-34-51	437 563 28-36-49 33-37-54	491 633 33-37-52 33-42-57							
	 3A1		CFM/SIDE THROW, FT.	316 117 21-25-36 12-15-19	422 156 24-28-42 13-16-22	527 195 27-33-48 15-18-25	633 234 28-34-51 16-19-27	738 273 31-37-54 18-21-28	844 312 33-39-58 18-22-31	949 351 36-43-61 19-24-33							
	 3A2		CFM/SIDE THROW, FT.	300 225 19-24-33 16-19-27	400 300 22-27-37 19-22-33	500 375 25-30-43 22-25-36	600 450 27-33-48 24-27-39	700 525 28-34-51 25-28-42	800 600 31-37-54 27-33-45	900 675 33-42-57 28-33-48							
	 2A	 2B	CFM/SIDE THROW, FT.	375 22-27-37	500 25-33-45	625 28-36-51	750 31-39-54	875 33-42-58	1000 36-45-63	1125 37-48-66							
	 2C	 2D	CFM/SIDE THROW, FT.	516 234 24-28-42 18-22-30	688 312 27-33-48 21-25-34	860 390 30-37-54 24-28-39	1032 468 33-42-58 25-31-43	1204 546 34-45-63 27-33-46	1376 624 37-48-66 28-36-49	1548 702 42-51-70 33-37-52							
	 1A	 1B	CFM/SIDE THROW, FT.	750 27-33-48	1000 33-37-54	1250 36-43-61	1500 39-48-66	1750 41-51-70	2000 45-54-75	2250 48-57-79							
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.	351 117 20-24-34 11-14-18	469 156 22-27-39 13-15-21	587 195 25-31-45 14-17-24	703 234 27-32-48 15-18-25	822 273 29-35-50 17-20-27	938 312 31-36-55 17-21-29	1054 351 34-41-57 18-22-31							
	 4E		CFM/SIDE THROW, FT.	258 211 18-22-31 18-22-31	344 281 21-25-31 21-25-35	430 352 24-28-41 24-28-41	516 422 25-31-45 25-31-45	602 492 27-32-48 27-32-48	688 583 31-35-50 31-35-50	775 633 31-39-53 31-39-53							
	 3A1		CFM/SIDE THROW, FT.	410 117 21-25-35 11-14-18	547 156 24-31-42 13-15-21	685 195 27-34-48 14-17-24	820 234 29-36-50 15-18-25	958 273 31-39-55 17-20-27	1094 312 34-42-59 17-21-29	1224 351 35-45-62 18-22-31							
	 3B		CFM/SIDE THROW, FT.	468 234 24-30-40 18-22-30	625 312 28-34-46 21-25-34	782 391 32-38-52 24-28-39	937 469 34-44-58 25-33-43	1095 547 36-44-62 27-33-46	1250 625 38-48-66 28-36-49	1406 702 44-50-70 33-37-52							
	 2A	 2B	CFM/SIDE THROW, FT.	468 22-27-39	625 25-31-45	782 28-35-50	937 31-39-55	1095 32-42-59	1250 35-45-62	1405 39-48-66							
	 2C	 2D	CFM/SIDE THROW, FT.	702 234 25-33-45 18-22-30	938 312 30-36-51 21-25-34	1175 390 34-42-58 24-28-39	1407 468 36-45-61 25-33-43	1644 546 39-48-66 27-33-46	1876 624 43-52-70 28-36-49	2108 702 51-55-75 33-37-52							
	1A	1B	CFM/SIDE THROW, FT.	937 28-36-49	1250 33-42-57	1565 37-48-64	1875 42-51-69	2190 45-54-75	2500 48-58-79	2810 51-61-85							

Notes:

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

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMR2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
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 22-27-37 12-15-19	594 156 25-33-45 13-16-22	742 195 28-36-51 15-18-25	891 234 33-39-54 16-19-27	1039 273 33-45-58 18-21-28	1188 312 36-45-63 18-22-30	1336 351 37-48-66 19-24-33
	 4E	CFM/SIDE THROW, FT.	306 258 21-25-36 19-24-33	408 344 24-28-42 22-27-37	510 430 27-33-48 25-30-43	612 516 28-34-51 27-33-48	714 602 33-37-54 28-34-51	816 688 33-39-58 33-37-54	918 775 36-43-61 33-42-57
	 3A1	CFM/SIDE THROW, FT.	504 117 24-28-42 12-15-19	672 156 27-33-48 13-16-22	840 195 30-37-54 15-18-25	1008 234 33-45-58 16-19-27	1176 273 34-45-63 18-21-28	1344 312 37-48-66 18-22-30	1512 351 42-51-70 19-24-33
	 2A  2B	CFM/SIDE THROW, FT.	562 24-28-42	750 27-33-48	937 30-37-54	1125 33-42-58	1312 34-45-63	1500 37-48-66	1682 42-51-70
	 2C  2E  2D  2F	CFM/SIDE THROW, FT.	890 234 28-36-49 18-22-30	1188 312 33-42-49 21-25-34	1485 390 37-48-64 24-28-39	1782 468 42-51-69 25-33-43	2079 546 45-54-75 27-33-46	2376 624 48-58-79 28-36-49	2673 702 51-61-85 33-37-52
	 1A  1B	CFM/SIDE THROW, FT.	1125 30-37-52	1500 34-43-60	1875 39-48-67	2250 42-52-73	2625 46-57-78	3000 49-60-85	3375 52-64-90
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 16-19-27 13-16-22	300 225 19-22-33 15-18-25	375 280 22-25-36 16-21-28	450 337 24-27-40 18-22-30	526 394 25-28-42 19-24-33	600 450 27-33-45 21-25-36	674 506 28-33-48 22-27-37
	 3A1	CFM/SIDE THROW, FT.	309 169 21-25-36 13-16-22	412 225 24-28-42 15-18-25	514 281 27-33-48 16-21-28	619 337 28-34-51 18-22-30	723 394 33-37-54 19-24-33	825 450 33-39-58 21-25-36	927 506 36-43-61 22-27-37
	 3A2	CFM/SIDE THROW, FT.	279 306 21-25-36 15-18-25	372 306 24-28-42 16-21-28	464 382 27-33-48 18-24-33	557 460 28-34-51 19-25-34	652 535 33-37-54 21-27-37	744 612 33-39-58 22-28-39	836 688 36-43-61 24-33-43
	 2A  2B	CFM/SIDE THROW, FT.	393 22-27-37	525 25-33-42	655 28-36-46	787 30-39-54	920 33-42-58	1050 36-45-63	1180 37-48-66
	 2C  2E  2D  2F	CFM/SIDE THROW, FT.	450 338 22-27-37 19-24-33	600 450 25-33-42 22-27-37	750 560 28-36-46 25-30-43	900 675 30-39-54 27-33-48	1060 790 33-42-58 28-34-51	1200 900 36-45-63 33-37-54	1350 1010 37-48-66 33-42-57
	 1A  1B	CFM/SIDE THROW, FT.	787 29-35-51	1050 35-40-58	1310 38-46-66	1575 42-51-70	1840 45-54-75	2100 48-58-80	2360 51-61-85
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 22-27-38 14-18-24	375 225 26-30-45 16-19-27	469 281 29-35-51 18-22-30	563 337 30-37-54 19-24-33	656 394 33-40-58 21-26-35	750 450 35-42-62 22-27-38	844 506 38-46-66 24-29-40
	 4E	CFM/SIDE THROW, FT.	225 225 21-26-35 21-26-35	300 300 24-29-40 24-29-40	375 375 27-32-46 27-32-46	450 450 29-35-51 29-35-51	525 525 30-37-54 30-37-54	600 600 33-40-58 33-40-58	675 675 35-45-61 35-45-61
	 3A1	CFM/SIDE THROW, FT.	366 169 24-29-40 14-18-24	487 225 27-35-48 16-19-27	609 281 30-38-54 18-22-30	731 337 35-42-58 19-24-33	853 394 35-45-62 21-26-35	975 450 38-48-67 22-27-38	1098 506 40-51-70 24-29-40
	 3A2	CFM/SIDE THROW, FT.	300 300 25-31-43 20-23-32	400 400 29-34-50 23-27-40	500 500 32-40-58 27-31-43	600 600 34-41-61 29-32-47	700 700 40-45-65 31-34-50	800 800 40-47-70 32-40-54	900 900 43-52-74 34-40-58
	 2A  2B	CFM/SIDE THROW, FT.	450 24-29-40	600 27-35-48	750 30-38-54	900 35-42-58	1050 35-45-62	1200 38-48-67	1350 40-51-70
	 2C  2E  2D  2F	CFM/SIDE THROW, FT.	562 338 26-30-45 21-26-35	750 450 29-35-51 24-29-40	938 562 32-40-58 27-32-46	1125 675 35-45-62 29-35-51	1313 787 37-48-67 30-37-54	1500 900 40-51-70 33-40-58	1688 1012 45-54-75 35-45-61
	 1A  1B	CFM/SIDE THROW, FT.	900 30-38-53	1200 35-45-61	1500 40-51-69	1800 45-54-74	2100 48-58-80	2400 51-62-85	2700 54-66-91

Notes:

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

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
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 24-29-40 14-18-24	525 225 27-35-48 16-19-27	657 281 30-38-54 18-22-30	788 337 35-42-58 19-24-35	918 394 35-45-62 21-26-35	1050 450 38-48-67 22-27-38	1181 506 40-51-70 24-29-40
	 4E	CFM/SIDE THROW, FT.	281 281 22-27-38 22-27-38	375 375 26-30-45 26-30-45	469 469 29-35-51 29-35-51	563 563 30-37-54 30-37-54	657 657 32-40-58 32-40-58	750 750 35-42-62 35-42-62	845 845 38-46-66 38-46-66
	 3A1	CFM/SIDE THROW, FT.	478 169 26-30-45 14-18-24	637 225 29-35-51 16-19-27	797 281 32-40-58 18-22-30	956 337 35-45-62 19-24-35	1115 394 37-48-67 21-26-35	1275 450 40-51-70 22-27-38	1434 506 45-54-75 24-29-40
	 3A2	CFM/SIDE THROW, FT.	469 327 22-27-38 19-24-32	625 437 26-30-45 22-27-37	782 546 29-35-51 26-30-42	937 656 30-37-54 27-35-46	1093 766 32-40-58 29-35-50	1250 875 35-42-62 30-38-53	1406 984 38-46-66 35-40-56
	 2A  2B	CFM/SIDE THROW, FT.	562 26-30-45	750 29-35-51	937 32-40-58	1125 35-45-62	1312 37-48-67	1500 40-51-70	1687 45-54-75
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	787 337 29-35-51 21-26-35	1050 450 35-40-58 24-29-40	1313 562 38-46-66 27-32-46	1575 675 42-51-70 29-35-51	1838 787 45-54-75 30-37-54	2100 900 48-58-80 33-40-58	2363 1012 51-61-85 35-45-61
	 1A  1B	CFM/SIDE THROW, FT.	1125 32-40-56	1500 37-46-62	1875 42-53-72	2250 46-56-78	2625 50-61-83	3000 53-64-91	3375 56-69-96
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 26-30-45 14-18-24	675 225 29-35-51 16-19-27	844 281 33-40-58 18-22-30	1013 337 35-45-62 19-24-35	1181 394 37-48-67 21-26-35	1350 450 40-51-70 22-27-38	1519 506 45-54-75 24-29-40
	 4E	CFM/SIDE THROW, FT.	339 339 22-27-38 22-27-38	452 452 26-30-45 26-30-45	565 565 29-35-51 29-35-51	678 678 30-37-54 30-37-54	791 791 33-40-58 33-40-58	904 904 35-42-62 35-42-62	1020 1020 38-46-66 38-46-66
	 3A1	CFM/SIDE THROW, FT.	591 169 27-35-48 14-18-24	787 225 32-38-54 16-19-27	984 281 37-45-62 18-22-30	1181 337 38-48-66 19-24-35	1378 394 42-51-70 21-26-35	1575 450 46-56-75 22-27-38	1772 506 50-59-80 24-29-40
	 3B	CFM/SIDE THROW, FT.	675 337 27-35-48 21-26-35	900 450 32-38-54 24-29-40	1125 562 37-45-62 27-32-46	1350 675 38-48-66 29-35-51	1575 787 42-51-70 30-37-54	1800 900 46-56-75 33-40-58	2025 1012 50-59-80 35-45-61
	 2A  2B	CFM/SIDE THROW, FT.	675 27-35-48	900 32-38-54	1125 37-45-62	1350 38-48-66	1575 42-51-70	1800 46-56-75	2025 50-59-80
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	1010 337 32-40-56 21-26-35	1350 450 37-46-64 24-29-40	1688 562 42-53-72 27-32-46	2025 675 46-56-78 29-35-51	2363 787 50-61-83 30-37-54	2700 900 53-64-91 33-40-58	3038 1012 56-69-96 35-45-61
	 1A  1B	CFM/SIDE THROW, FT.	1350 35-40-59	1800 38-48-67	2250 45-54-77	2700 48-58-82	3150 51-62-90	3600 54-67-93	4050 59-70-101
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 20-25-34 17-20-29	394 306 24-29-39 19-24-32	493 382 27-32-44 20-27-37	590 460 29-37-49 22-29-39	690 535 31-37-53 24-31-42	788 612 32-41-56 25-32-44	887 688 37-42-59 27-37-49
	 3A1	CFM/SIDE THROW, FT.	410 230 25-31-42 17-20-29	547 306 29-37-51 19-24-32	684 382 32-41-58 20-27-37	820 460 37-44-61 22-29-39	957 535 37-48-66 24-31-42	1094 612 41-51-71 25-32-44	1231 688 42-54-75 27-37-49
	 3A2	CFM/SIDE THROW, FT.	375 300 25-31-42 19-22-31	500 400 29-37-51 22-25-37	625 500 32-41-58 25-29-41	750 600 37-44-61 27-31-44	875 700 37-48-66 29-32-48	1000 800 41-51-71 31-37-51	1125 900 42-54-75 32-37-54
	 2A  2B	CFM/SIDE THROW, FT.	525 27-32-48	700 31-37-54	875 34-42-61	1050 37-48-66	1225 39-51-71	1400 42-54-75	1575 48-58-80
	 2C  2D  2E  2F	CFM/SIDE THROW, FT.	591 459 29-37-51 24-29-41	788 612 34-41-58 27-32-48	986 764 39-48-66 31-37-54	1180 920 41-51-70 32-39-58	1380 1070 44-54-75 37-42-61	1576 1224 49-59-80 37-44-66	1774 1376 53-63-85 41-49-70
	 1A  1B	CFM/SIDE THROW, FT.	1050 34-42-59	1400 39-49-68	1750 44-56-76	2100 49-59-83	2450 53-65-88	2800 56-68-87	3150 59-73-102

Notes:

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

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033		400 .058		500 .090		600 .130		700 .177		800 .231		900 .293	
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	
	 4B	 4C	CFM/SIDE	THROW, FT.	425	230	569	306	710	382	852	460	995	535	1138	612
			25-31-42	17-20-29	24-37-51	19-24-32	32-41-58	20-27-37	37-44-61	22-29-38	37-48-66	24-31-42	41-51-71	25-32-44	42-54-75	27-37-49
	 4E		CFM/SIDE	THROW, FT.	360	295	480	394	600	492	720	591	840	690	960	788
			24-29-41	27-32-48	31-37-54	19-24-32	34-42-61	20-27-37	37-48-66	22-29-38	39-51-71	24-31-42	42-54-75	25-32-44	48-58-80	27-37-49
	 3A1		CFM/SIDE	THROW, FT.	540	230	722	306	901	382	1082	460	1262	535	1444	612
			27-32-48	17-20-29	31-37-54	19-24-32	34-42-61	20-27-37	37-48-66	22-29-38	39-51-71	24-31-42	42-54-75	25-32-44	48-58-80	27-37-49
	 3A2		CFM/SIDE	THROW, FT.	468	422	625	562	782	701	937	844	1093	983	1250	1125
			25-31-42	20-25-34	29-37-51	24-29-39	32-41-58	27-32-44	37-44-61	29-37-49	37-48-66	31-37-53	41-51-71	32-41-56	42-54-75	37-42-61
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	
	 4B	 4C	CFM/SIDE	THROW, FT.	558	230	744	306	930	382	1115	460	1306	535	1488	612
			27-32-48	17-20-29	31-37-54	19-24-32	34-42-61	20-27-37	37-48-66	22-29-38	39-51-71	24-31-42	42-54-75	25-32-44	48-58-80	27-37-49
	 4E		CFM/SIDE	THROW, FT.	427	360	568	480	710	600	852	720	945	840	1135	960
			25-31-42	25-31-42	29-37-61	29-37-51	32-41-58	32-41-58	37-44-61	37-44-61	37-48-66	37-48-66	41-51-71	41-51-71	42-54-75	42-54-75
	 3A1		CFM/SIDE	THROW, FT.	672	230	897	306	1121	382	1345	460	1570	535	1794	612
			29-37-61	17-20-29	34-41-58	19-24-32	39-48-66	20-27-37	41-51-70	22-29-38	44-54-75	24-31-42	49-58-80	25-32-44	53-63-85	27-37-49
	 3A2		CFM/SIDE	THROW, FT.	675	450	900	600	1125	750	1350	900	1575	1050	1800	1200
			25-31-42	22-27-37	29-37-51	25-31-42	32-41-58	29-34-49	37-44-61	31-37-54	37-48-66	32-39-58	41-51-71	34-42-61	42-54-75	37-48-65
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	
	 4B	 4C	CFM/SIDE	THROW, FT.	450	300	600	400	750	500	900	600	1050	700	1200	800
			25-31-42	19-22-31	29-37-51	22-25-37	32-41-58	25-29-41	33-44-61	27-31-44	37-48-66	29-32-48	41-51-71	31-37-51	42-54-75	32-37-54
	 4E		CFM/SIDE	THROW, FT.	375	375	500	500	625	625	750	750	875	875	1000	1000
			25-31-42	25-31-42	29-37-51	29-37-51	32-41-58	32-41-58	33-44-61	37-44-61	37-48-66	37-48-66	41-51-71	41-51-71	42-54-75	42-54-75
	 3A1		CFM/SIDE	THROW, FT.	600	300	800	400	1000	500	1200	600	1400	700	1600	800
			29-37-51	19-22-31	34-41-58	22-25-37	39-48-66	25-29-41	41-51-70	27-31-44	44-54-75	29-32-48	49-58-80	31-37-51	53-63-85	32-37-54
	 3A2		CFM/SIDE	THROW, FT.	515	470	687	625	859	782	1031	937	1203	1093	1375	1250
			31-37-54	25-31-42	37-42-61	29-37-51	41-49-70	32-41-58	44-54-75	33-44-61	48-58-80	37-48-66	51-61-85	41-51-71	54-65-90	42-54-75
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	
	 4B	 4C	CFM/SIDE	THROW, FT.	450	300	600	400	750	500	900	600	1050	700	1200	800
			25-31-42	19-22-31	29-37-51	22-25-37	32-41-58	25-29-41	33-44-61	27-31-44	37-48-66	29-32-48	41-51-71	31-37-51	42-54-75	32-37-54
	 4E		CFM/SIDE	THROW, FT.	375	375	500	500	625	625	750	750	875	875	1000	1000
			25-31-42	25-31-42	29-37-51	29-37-51	32-41-58	32-41-58	33-44-61	37-44-61	37-48-66	37-48-66	41-51-71	41-51-71	42-54-75	42-54-75
	 3A1		CFM/SIDE	THROW, FT.	600	300	800	400	1000	500	1200	600	1400	700	1600	800
			29-37-51	19-22-31	34-41-58	22-25-37	39-48-66	25-29-41	41-51-70	27-31-44	44-54-75	29-32-48	49-58-80	31-37-51	53-63-85	32-37-54
	 3A2		CFM/SIDE	THROW, FT.	515	470	687	625	859	782	1031	937	1203	1093	1375	1250
			31-37-54	25-31-42	37-42-61	29-37-51	41-49-70	32-41-58	44-54-75	33-44-61	48-58-80	37-48-66	51-61-85	41-51-71	54-65-90	42-54-75
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	
	 4B	 4C	CFM/SIDE	THROW, FT.	450	300	600	400	750	500	900	600	1050	700	1200	800
			25-31-42	19-22-31	29-37-51	22-25-37	32-41-58	25-29-41	33-44-61	27-31-44	37-48-66	29-32-48	41-51-71	31-37-51	42-54-75	32-37-54
	 4E		CFM/SIDE	THROW, FT.	375	375	500	500	625	625	750	750	875	875	1000	1000
			25-31-42	25-31-42	29-37-51	29-37-51	32-41-58	32-41-58	33-44-61	37-44-61	37-48-66	37-48-66	41-51-71	41-51-71	42-54-75	42-54-75
	 3A1		CFM/SIDE	THROW, FT.	600	300	800	400	1000	500	1200	600	1400	700	1600	800
			29-37-51	19-22-31	34-41-58	22-25-37	39-48-66	25-29-41	41-51-70	27-31-44	44-54-75	29-32-48	49-58-80	31-37-51	53-63-85	32-37-54
	 3A2		CFM/SIDE	THROW, FT.	515	470	687	625	859	782	1031	937	1203	1093	1375	1250
			31-37-54	25-31-42	37-42-61	29-37-51	41-49-70	32-41-58	44-54-75	33-44-61	48-58-80	37-48-66	51-61-85	41-51-71	54-65-90	42-54-75
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	
	 4B	 4C	CFM/SIDE	THROW, FT.	450	300	600	400	750	500	900	600	1050	700	1200	800
			25-31-42	19-22-31	29-37-51	22-25-37	32-41-58	25-29-41	33-44-61	27-31-44	37-48-66	29-32-48	41-51-71	31-37-51	42-54-75	32-37-54
	 4E		CFM/SIDE	THROW, FT.	375	375	500	500	625	625	750	750	875	875	1000	1000
			25-31-42	25-31-42	29-37-51	29-37-51	32-41-58	32-41-58	33-44-61	37-44-61	37-48-66	37-48-66	41-51-71	41-51-71	42-54-75	42-54-75
	 3A1		CFM/SIDE	THROW, FT.	600	300	800	400	1000	500	1200	600	1400	700	1600	800
			29-37-51	19-22-31	34-41-58	22-25-37	39-48-66	25-29-41	41-51-70	27-31-44	44-54-75	29-32-48	49-58-80	31-37-51	53-63-85	32-37-54
	3A2		CFM/SIDE	THROW, FT.	515	470	687	625	859	782	1031	937	1203	1093	1375	1250
			31-37-54	25-31-42	37-42-61	29-37-51	41-49-70	32-41-58	44-54-75	33-44-61	48-58-80	37-48-66	51-61-85	41-51-71	54-65-90	42-54-75

Notes:

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

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

NOMINAL NECK SIZE	BLOW PATTERNS	NECK VELOCITY TP	300 .033	400 .058	500 .090	600 .130	700 .177	800 .231	900 .293
36 x 24 6.0 SQ. FT.	RETURN FACTORS —SP=3.3 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 29-37-51 19-22-31	800 400 34-41-58 22-25-37	1000 500 38-48-66 25-29-41	1200 600 41-51-70 27-31-44	1400 700 44-54-75 29-32-48	1600 800 49-59-80 31-37-51	1800 900 53-63-85 32-37-54
	 4E	CFM/SIDE THROW, FT.	450 450 25-31-42 24-31-42	600 600 29-37-51 29-37-51	750 750 32-41-58 32-41-58	900 900 35-44-61 35-44-61	1050 1050 37-48-66 37-48-66	1200 1200 41-51-71 41-51-71	1350 1350 42-54-75 42-54-75
	 3A1	CFM/SIDE THROW, FT.	750 300 31-37-54 19-22-31	1000 400 37-42-61 22-25-37	1250 500 41-49-70 25-29-41	1500 600 44-54-75 27-31-44	1750 700 48-58-80 29-32-48	2000 800 51-61-85 31-37-51	2250 900 54-65-90 32-37-54
	 3A2	CFM/SIDE THROW, FT.	676 562 27-32-48 24-29-41	900 750 34-37-54 27-32-48	1125 937 38-42-61 31-37-54	1350 1125 41-49-70 27-31-44	1575 1312 44-54-75 29-32-48	1800 1500 48-58-80 31-37-51	2025 1687 51-61-85 32-37-54
	 2A  2B	CFM/SIDE THROW, FT.	900 32-41-56	1200 37-48-65	1500 42-54-73	1800 48-58-78	2100 51-61-85	2400 54-66-90	2700 58-70-97
	 2C  2E	CFM/SIDE THROW, FT.	1200 600 37-42-63 25-31-42	1600 800 41-51-71 29-37-51	2000 1000 48-58-82 32-41-58	2400 1200 51-61-87 35-44-61	2800 1400 54-66-95 37-48-66	3200 1600 58-71-99 41-51-71	3600 1800 63-75-107 42-54-75
	 1A  1B	CFM/SIDE THROW, FT.	1800 41-51-70	2400 48-58-80	3000 54-66-90	3600 58-70-99	4200 61-75-105	4800 66-80-114	5400 70-85-122
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 29-37-51 20-25-34	875 625 34-41-58 24-29-39	1093 782 38-48-66 27-32-44	1313 937 41-51-70 29-37-49	1532 1093 44-54-75 31-37-53	1750 1250 49-59-80 32-41-56	1969 1406 53-63-85 37-42-59
	 3A1	CFM/SIDE THROW, FT.	890 468 32-41-56 20-25-34	1187 625 37-48-65 24-29-39	1494 782 42-54-73 27-32-44	1781 937 48-58-78 29-37-49	2078 1093 51-61-85 31-37-53	2375 1250 54-66-90 32-41-56	2672 1406 58-70-97 37-42-59
	 3A2	CFM/SIDE THROW, FT.	787 675 31-37-54 22-27-37	1050 900 37-42-61 25-31-42	1312 1125 41-49-70 29-34-49	1575 1350 44-54-75 31-37-54	1837 1575 48-58-80 32-39-58	2100 1800 51-61-85 37-42-61	2362 2025 54-65-90 37-48-65
	 2A  2B	CFM/SIDE THROW, FT.	1125 34-42-59	1500 39-49-68	1875 44-56-76	2250 49-58-83	2625 53-65-88	3000 56-68-97	3375 59-73-102
	 2C  2E	CFM/SIDE THROW, FT.	1312 938 37-42-63 29-37-51	1750 1250 41-51-71 34-41-58	2188 1562 48-58-82 39-48-68	2625 1875 51-61-87 41-51-70	3063 2187 54-66-95 44-54-75	3500 2500 58-71-99 49-59-80	3938 2812 63-75-107 53-63-85
	 1A  1B	CFM/SIDE THROW, FT.	2250 48-60-82	3000 56-68-94	3750 64-78-106	4500 68-82-116	5250 72-88-124	6000 78-94-134	6750 82-100-144

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

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 25%.

2. Performance data as tabulated is for supply air conditions. Correction factors for return air application - see next page.

3. Correction factors for adjustable models - see next page.

4. Correction factors for round inlets - see next page.

5. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Performance Data

MODELS: AVPFM(OB), AVPS(OB), AVPAFM(OB), AVPAS(OB), AVPPLT(OB), AVPAPLT(OB), AVPRPLT(OB), AVPFMRF2, AVPSRF2, AVPRF2T

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 listed SP factor at the left side of the table by the total pressure (TP) listed at the top of the table.

CORRECTION FACTORS (ADJUSTABLE PATTERN CONTROLLERS) – TABLE 2

Refer to the performance data .

Apply the corrections from Table 2 to the data for square, 4-way core styles, as follows:

- NC = listed + correction
- Total Pressure = listed x factor
- Horizontal Throw = listed
- Vertical Throw = listed x factor

Apply the throw factor to the 50 fpm terminal velocity throw only.

Example:

18" x 18", 1350 cfm, 20°F temperature difference heating, vertical projection,

- NC = 31 + 6 = 37
- TP = .13 x 2.1 = .273
- Throw = 36 x .9 = 32.4 feet @ 50 fpm terminal velocity.

CORRECTION FACTORS WITH SQUARE TO ROUND INLET ADAPTOR – TABLE 3

- Add the NC correction factor from Table 3 and the NC value listed in the performance tables.
- Multiply the correction factor from Table 3 by the listed total pressure in the performance tables.
- Multiply the correction factor from Table 3 by the listed throws in the performance tables.

Example:

12" x 12" unit with 10" round adaptor handling 500 cfm supply air. (Page D18).

- NC = 23 + 7 = 30
- Total Pressure = .09 x 1.65 = 0.149
- Throw = 21 x 1.15 = 24.15 feet @ 50 fpm terminal velocity.

Example:

12" x 12" unit handling 600 cfm of return air.

- Return NC = 28 + 4 = 32.
- Return negative SP = 1.3 x (– .13) = – .169.

TABLE 2 Correction Factors Adjustable

NECK SIZE	NC (add)		TOTAL PRESSURE (multiply)		VERTICAL THROW (multiply)			
	H	V	H	V	COOLING, ΔT	HEATING, ΔT		
					20°F	0°F	20°F	40°F
6 x 6	2	6	1.2	1.5	1.3	1.1	0.8	0.6
9 x 9	2	6	1.4	2.1	1.5	1.2	0.9	0.6
12 x 12	2	6	1.4	2.1	1.6	1.3	1.0	0.6
15 x 15	2	6	1.4	2.1	1.7	1.3	1.0	0.6
18 x 18	2	6	1.4	2.1	1.7	1.3	0.9	0.6
21 x 21	2	6	1.4	2.1	1.7	1.3	0.8	0.5
24 x 24	2	6	1.6	2.2	1.5	1.1	0.7	0.3

TABLE 3 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
24 x 24	22	4	1.33	1.05	1.05	1.10