

Technical Data

401M



Stamped Curved Blade

Wall/Ceiling Registers 1 way Deflection

Face Jet Velocity		300	400	500	600	700	800	900	1000
Total Pressure Loss		0.007	0.013	0.020	0.029	0.039	0.050	0.060	0.078
Size									
Eff. Area / in ²									
6x6	CFM	35	45	55	70	80	90	105	115
12.1	1 way throw	5	6	8	9	10	11	13	14
	NC	<20	<20	20	20	25	30	30	35
8x4	CFM	30	40	50	65	75	85	95	105
10.7	1 way throw	4	6	7	8	9	11	12	14
	NC	<20	20	20	25	30	30	35	35
8x6	CFM	35	50	65	75	90	100	115	125
16.1	1 way throw	5	7	8	10	12	14	15	17
	NC	<20	20	20	25	30	30	35	40
8x8	CFM	35	50	60	75	85	100	115	125
21.7	1 way throw	6	8	9	11	14	16	18	20
	NC	<20	20	25	25	30	35	35	40
10x4	CFM	35	50	60	70	85	100	110	125
13.4	1 way throw	5	6	8	9	11	13	15	16
	NC	<20	20	25	25	30	35	35	40
10x6	CFM	40	55	70	80	95	110	120	135
20.6	1 way throw	5	7	9	11	13	15	17	19
	NC	<20	20	25	25	30	35	40	40
10x8	CFM	55	75	95	115	130	150	170	190
27.5	1 way throw	6	8	10	12	14	16	18	20
	NC	<20	20	25	25	30	35	40	40
10x10	CFM	70	95	120	145	170	190	215	240
34.7	1 way throw	7	9	12	15	17	20	23	25
	NC	<20	20	25	25	30	35	40	40
12x4	CFM	40	55	65	80	95	105	120	135
16.3	1 way throw	5	7	9	10	12	14	15	18
	NC	<20	20	25	25	30	35	35	40
12x6	CFM	55	75	95	110	130	150	185	205
24.5	1 way throw	6	8	11	12	14	17	18	21
	NC	<20	20	25	30	30	35	40	45
12x8	CFM	65	85	110	130	150	170	195	215
32.7	1 way throw	7	9	12	13	15	18	19	22
	NC	<20	20	25	30	30	35	40	45
12x10	CFM	100	135	150	195	230	255	295	315
40.9	1 way throw	8	10	13	14	16	19	20	23
	NC	<20	20	25	30	30	35	40	45
12x12	CFM	90	120	150	180	210	235	265	295
50.3	1 way throw	9	11	15	18	21	24	27	30
	NC	<20	20	25	30	35	35	40	45
14x6	CFM	65	85	110	130	150	175	195	215
28.8	1 way throw	7	9	10	13	16	18	20	22
	NC	<20	20	25	30	35	40	45	45
14x08	CFM	75	95	120	145	170	195	220	240
38.1	1 way throw	8	10	13	15	17	20	23	25
	NC	<20	20	25	30	35	40	45	45>
14x10	CFM	115	165	190	250	280	315	355	395
47.6	1 way throw	9	11	14	16	18	20	24	26
	NC	<20	20	25	30	35	40	45	45>
14x12	CFM	124	185	215	275	305	345	385	425
57.12	1 way throw	10	12	15	17	19	21	25	27
	NC	20	25	30	30	35	40	45>	45>
14x14	CFM	145	190	240	285	335	380	430	475
69.3	1 way throw	11	14	18	21	25	27	32	36
	NC	20	25	30	30	35	40	45>	45>

401M

Stamped Curved Blade

Wall/Ceiling Registers 2 way Deflection

Face Jet Velocity		300	400	500	600	700	800	900	1000
Total Pressure Loss		0.007	0.013	0.020	0.029	0.039	0.050	0.060	0.078
Size									
Eff. Area / in ²									
16X6	CFM	74	98	123	148	172	197	221	246
32.7	1 way throw	7	9	11	14	16	18	20	23
	NC	<20	20	25	30	35	40	45	45
18x6	CFM	83	111	139	167	195	222	250	278
36.8	1 way throw	7	10	12	15	17	19	22	24
	NC	<20	20	25	30	35	40	45	45

Stamped Curved Blade

Wall/Ceiling Registers 2 way Deflection

Face Jet Velocity		300	400	500	600	700	800	900	1000
Total Pressure Loss		0.012	0.020	0.030	0.045	0.062	0.082	0.105	0.130
Size									
Eff. Area / in ²									
6x6	CFM	35	45	55	70	80	90	105	115
12.1	2 way throw	4	5	6	7	8	9	10	11
	NC	<20	<20	20	20	25	30	30	35
8x4	CFM	30	40	50	65	75	85	95	105
10.7	2 way throw	3	4	5	6	7	8	9	10
	NC	<20	20	20	25	30	30	35	35
8x6	CFM	40	50	65	75	90	100	115	125
16.1	2 way throw	3	5	6	7	9	10	11	12
	NC	<20	20	20	25	30	30	35	40
8x8	CFM	35	50	60	75	85	100	115	125
21.7	2 way throw	4	5	6	8	10	11	12	14
	NC	<20	20	25	25	30	35	35	40
10x4	CFM	35	50	60	75	85	100	110	125
13.4	2 way throw	3	5	6	7	8	10	11	12
	NC	<20	20	25	25	30	35	35	40
10x6	CFM	50	65	85	100	115	130	150	165
20.6	2 way throw	4	5	7	8	9	10	12	13
	NC	<20	20	25	25	30	35	40	40
10x8	CFM	65	90	110	135	155	180	200	225
27.5	2 way throw	5	6	7	9	10	11	13	14
	NC	<20	20	25	25	30	35	40	40
10x10	CFM	80	110	135	160	190	215	240	270
34.7	2 way throw	5	6	8	12	12	13	15	17
	NC	<20	20	25	25	30	35	40	40
12x4	CFM	45	60	70	85	100	115	130	150
16.3	2 way throw	4	5	6	7	9	10	11	13
	NC	<20	20	25	25	30	35	35	40
12x6	CFM	60	80	100	125	145	165	185	205
24.5	2 way throw	5	6	8	8	10	12	13	15
	NC	<20	20	25	30	30	35	40	45
12x8	CFM	80	105	130	160	185	210	240	265
32.7	2 way throw	6	7	9	9	11	13	14	16
	NC	<20	20	25	30	30	35	40	45
12x10	CFM	100	135	150	195	230	255	295	315
40.9	2 way throw	7	8	10	10	12	14	15	17
	NC	<20	20	25	30	30	35	40	45
12x12	CFM	115	155	190	230	270	310	345	385
50.3	2 way throw	6	7	10	12	14	16	18	20
	NC	<20	20	25	30	35	35	40	45
14x4	CFM	50	65	80	100	115	130	150	165
19.2	2 way throw	4	5	7	8	10	11	12	14
	NC	<20	20	25	30	35	40	40	45
14x6	CFM	70	95	115	140	155	190	210	235
28.8	2 way throw	5	6	7	9	11	12	14	16
	NC	<20	20	25	30	35	40	45	45
14x08	CFM	90	120	150	185	215	245	275	305
38.1	2 way throw	6	7	9	11	12	14	16	17
	NC	<20	20	25	30	35	40	45	45>
14x10	CFM	115	165	190	250	280	315	355	395
47.6	2 way throw	7	8	10	12	13	15	17	18
	NC	<20	20	25	30	35	40	45	45>
14x12	CFM	124	185	215	275	305	345	385	425
57.12	2 way throw	8	9	11	13	14	16	18	19
	NC	20	25	30	30	35	40	45>	45>
14x14	CFM	140	180	230	275	320	360	410	455
69.3	2 way throw	8	9	12	14	16	18	22	24
	NC	20	25	30	30	35	40	45>	45>

Stamped Curved Blade

Wall/Ceiling Registers 3 way Deflection

Face Jet Velocity		300	400	500	600	700	800	900	1000
Total Pressure Loss		0.016	0.029	0.046	0.066	0.090	0.117	0.148	0.183
Size									
Eff. Area / in ²									
6x6	CFM	35	45	55	70	80	90	105	115
12.1	3 way throw	4	5	6	7	8	9	10	11
	NC	<20	<20	20	20	25	30	30	35
8x4	CFM	30	40	50	65	75	85	95	105
	L throw	5	6	8	9	11	12	14	15
10.7	S throw	3	4	5	6	7	8	8	9
	NC	<20	20	20	25	30	30	35	35
8x6	CFM	40	55	70	85	100	115	125	140
	L throw	6	7	9	11	13	15	16	18
16.1	S throw	3	5	6	7	8	9	10	11
	NC	<20	20	20	25	30	30	35	40
8x8	CFM	55	70	100	120	145	155	180	200
	L throw	7	8	10	11	13	15	16	18
21.7	S throw	3	5	6	7	8	9	10	11
	NC	<20	20	25	25	30	35	35	40
10x4	CFM	35	50	60	75	85	100	110	125
	L throw	5	7	9	10	12	14	15	17
13.4	S throw	3	4	5	6	7	8	9	10
	NC	<20	20	25	25	30	35	35	40
10x6	CFM	50	70	85	105	120	140	155	175
	L throw	6	8	10	12	14	16	18	20
20.6	S throw	4	5	6	7	9	10	11	12
	NC	<20	20	25	25	30	35	40	40
10x8	CFM	65	90	110	135	155	180	200	225
	L throw	7	9	12	14	16	18	21	23
27.5	S throw	4	6	7	8	10	11	12	14
	NC	<20	20	25	25	30	35	40	40
10x10	CFM	95	125	155	185	220	250	280	310
	L throw	8	11	14	16	19	22	24	27
34.7	S throw	5	7	8	10	11	13	14	15
	NC	<20	20	25	25	30	35	40	40
12x4	CFM	45	60	70	85	100	115	130	150
	L throw	8	11	14	16	19	22	24	27
16.3	S throw	5	7	8	10	11	13	14	15
	NC	<20	20	25	25	30	35	35	40
12x6	CFM	60	85	105	125	145	165	185	205
	L throw	7	9	11	13	15	18	20	22
24.5	S throw	4	6	7	8	9	11	12	13
	NC	<20	20	25	30	30	35	40	45
12x8	CFM	80	105	130	160	185	210	240	265
	L throw	8	10	13	15	17	20	22	25
32.7	S throw	5	6	8	9	11	12	13	15
	NC	<20	20	25	30	30	35	40	45
12x10	CFM	100	135	150	195	230	255	295	315
	L throw	9	11	14	16	19	22	24	27
40.9	S throw	5	7	8	9	11	12	13	15
	NC	<20	20	25	30	30	35	40	45
12x12	CFM	115	155	190	230	270	310	345	385
	L throw	9	12	15	18	21	24	27	30
50.3	S throw	6	7	9	11	13	14	16	18
	NC	<20	20	25	30	35	35	40	45

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Wall/Ceiling Registers 3 way Deflection

Face Jet Velocity		300	400	500	600	700	800	900	1000
Total Pressure Loss		0.016	0.029	0.046	0.066	0.090	0.117	0.148	0.183
Size									
Eff. Area / in ²									
14x4	CFM	50	65	80	100	115	130	150	165
	L throw	5	6	8	9	11	12	14	16
19.2	S throw	4	5	7	8	10	11	12	14
	NC	<20	20	25	30	35	40	40	45
14x6	CFM	70	95	115	140	155	190	210	235
	L throw	7	9	11	13	16	17	20	22
28.8	S throw	4	6	7	8	9	11	12	13
	NC	<20	20	25	30	35	40	45	45
14x08	CFM	90	120	150	185	215	245	275	305
	L throw	8	11	13	16	19	21	24	27
38.1	S throw	5	7	8	10	11	13	14	16
	NC	<20	20	25	30	35	40	45	45>
14x10	CFM	115	165	190	250	280	315	355	395
	L throw	9	13	15	17	19	21	24	27
47.6	S throw	6	8	10	12	14	16	18	21
	NC	<20	20	25	30	35	40	45	45>
14x12	CFM	124	185	215	275	305	345	385	425
	L throw	10	14	16	18	21	23	27	30
57.12	S throw	7	8	11	14	17	20	23	27
	NC	20	25	30	30	35	40	45>	45>
14x14	CFM	140	180	230	275	320	360	410	455
	L throw	12	15	19	21	25	27	29	31
69.3	S throw	7	9	12	15	18	21	25	30
	NC	20	25	30	30	35	40	45>	45>

Stamped Curved Blade

Wall/Ceiling Registers 3 way Deflection

Total Pressure Loss		0.040	0.072	0.112	0.161	0.219	0.287	0.363	0.448
Size									
Eff. Area / in ²									
6x6	CFM	50	65	80	95	110	120	145	160
	L throw	3	4	5	6	7	8	9	10
12.1	S throw	4	5	6	7	8	9	11	12
	NC	<20	<20	20	20	25	30	30	35
8x8	CFM	65	85	110	130	165	175	195	220
	L throw	4	5	6	7	8	9	11	12
21.7	S throw	4	6	7	8	10	11	12	14
	NC	<20	20	25	25	30	35	35	40
10x10	CFM	85	115	140	170	200	225	255	285
	L throw	4	6	7	8	11	12	14	27
34.7	S throw	5	6	8	10	11	13	14	16
	NC	<20	20	25	25	30	35	40	40
12x12	CFM	120	160	200	235	275	315	355	395
	L throw	5	7	8	10	11	13	14	16
50.3	S throw	6	8	9	11	13	15	17	18
	NC	<20	20	25	30	35	35	40	45
14x14	CFM	145	190	240	285	335	380	430	475
	L throw	6	7	9	11	12	14	16	18
69.3	S throw	6	8	10	12	14	16	18	20
	NC	20	25	30	30	35	40	50>	55>
16x16	CFM	210	270	340	410	480	540	620	680
	L throw	7	8	10	12	13	16	18	20
84.5	S throw	6	8	10	12	14	16	18	20
	NC	25	30	30	35	40	45	55>	60>