

DDS – Technical Data

CFM	Listed Size in mm x mm	200 x 100		250 x 100		200 x 150		250 x 150		300 x 150	
		200 x 100		200 x 125	150 x 150	250 x 125	300 x 100	300 x 125	400 x 100	350 x 125	450 x 100
M ³ /sec	Area factor	0.0191	0.0093	0.0199	0.0102	0.0214	0.0113	0.0246	0.0142	0.0269	0.0169
	Deflection	0°	45°	0°	45°	0°	45°	0°	45°	0°	45°
100 0.0472	Face vel.	2.47	5.08	2.37	4.63	2.21	4.18	1.92	3.32		
	P _t mm H ₂ O	0.43	1.45	0.35	1.22	0.33	1.04	0.23	0.69		
	Throw in (M)	4.2-5.4	2.7-4.8	3.9-5.5	3.0-4.9	3.9-5.2	3.0-4.9	4.0-5.2	2.7-4.6		
	N.C	15	19	<15	16	<15	<15	<15	<15		
150 0.0708	Face vel.	3.71	7.61	3.56	6.94	3.31	6.27	2.87	4.98	2.63	4.19
	P _t mm H ₂ O	0.99	3.23	0.78	2.72	0.74	2.31	0.53	1.55	0.46	1.07
	Throw in (M)	4.9-6.4	3.6-5.8	4.6-6.1	3.7-5.5	4.3-6.1	3.7-6.2	4.3-6.1	3.4-5.2	4.0-6.8	3.4-4.9
	N.C	18	24	16	21	<15	16	<15	<15	<15	<15
200 0.0945	Face vel.	4.95	10.16	4.75	9.26	4.42	8.36	3.84	6.65	3.51	5.59
	P _t mm H ₂ O	1.77	5.76	1.39	4.88	1.3	4.12	0.94	2.77	0.81	1.88
	Throw in (M)	5.2-7.3	4.3-6.4	5.2-7.0	4.3-6.1	4.9-7.0	3.9-6.1	4.9-6.7	4.0-5.8	4.6-6.7	4.0-5.8
	N.C	21	28	19	25	17	24	15	20	<15	15
250 0.1181	Face vel.	6.18	12.69	5.93	11.58	5.52	10.45	4.80	8.32	4.39	6.988
	P _t mm H ₂ O	2.76	9.02	2.18	7.62	2.0	6.45	1.45	4.32	1.24	2.95
	Throw in (M)	5.8-7.9	4.8-7.0	5.8-7.9	4.9-7.0	5.5-7.6	4.9-6.7	5.4-7.6	4.6-6.7	5.2-7.6	4.6-6.7
	N.C	28	35	27	32	24	31	21	27	17	23
300 0.1417	Face vel.	7.42	15.24	7.12	13.89	6.62	12.54	5.76	9.96	5.27	8.38
	P _t mm H ₂ O	3.96	13.21	3.15	10.92	2.9	9.27	2.1	6.22	1.8	4.24
	Throw in (M)	5.8-8.2	5.2-7.3	5.8-8.2	5.2-7.3	5.8-8.2	5.2-7.3	5.8-8.2	5.2-7.3	5.8-8.2	5.2-7.3
	N.C	34	40	31	38	28	36	26	33	23	30
350 0.1653	Face vel.	8.65	17.77	8.31	16.21	7.72	14.83	6.72	11.64	6.14	9.78
	P _t mm H ₂ O	5.38	17.53	4.32	14.98	3.9	12.57	2.87	8.51	2.46	5.77
	Throw in (M)	7.0-9.8	5.8-8.2	6.7-9.5	5.8-8.2	6.7-9.5	5.4-7.9	6.4-9.2	5.4-7.9	6.4-9.1	5.4-7.9
	N.C	37	45	35	42	32	39	30	37	28	35
400 0.1889	Face vel.			9.49	18.52	8.83	16.72	7.66	13.30	7.022	11.18
	P _t mm H ₂ O			5.61	19.56	5.13	16.51	3.78	11.05	3.2	7.52
	Throw in (M)			7.6-10.4	6.7-9.1	7.3-10.4	6.4-8.8	7.0-10.1	6.1-8.5	6.7-9.8	6.1-8.5
	N.C			38	45	36	42	34	40	32	38
450 0.2125	Face vel.							8.64	14.96	7.899	12.57
	P _t mm H ₂ O							4.72	13.97	4.06	9.53
	Throw in (M)							7.3-10.7	6.7-9.1	7.0-10.4	6.4-8.8
	N.C							39	43	36	42
500 0.2362	Face vel.									8.78	13.97
	P _t mm H ₂ O									5.00	11.74
	Throw in (M)									7.3-10.9	6.7-7.4
	N.C									40	45

- Face velocity is measured in m/sec.
- Total pressure loss is in mm of H₂O & Area factor in square meter.
- Throw (meters) is measured for a terminal velocities of 0.5 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.

CFM M ³ /sec	Listed Size in mm x mm	250 x 200		250 x 250		300 x 250		300 x 300		350 x 300	
		350 x 150		300 x 200		450 x 175		350 x 250		400 x 250	
		400 x 125		400 x 150		500 x 150		450 x 200		500 x 200	
500 x 100		500 x 125		600 x 125		600 x 150		600 x 150		750 x 150	
Area factor		0.028	0.0178	0.0324	0.022	0.039	0.0258	0.0469	0.0369	0.0528	0.0422
Deflection		0°	45°	0°	45°	0°	45°	0°	45°	0°	45°
200 0,0945	Face vel.	3.38	5.31	2.91	4.30	2.42	3.28	2.0	2.56		
	P _t mm H ₂ O	0.64	1.7	0.36	1.17	0.23	0.71	0.15	0.41		
	Throw in (M)	4.5-6.7	3.7-5.8	4.5-6.7	3.7-5.5	4.6-6.7	3.4-5.5	4.6-6.7	3.1-5.5		
	N.C	<15	<15	<15	<15	<15	<15	<15	<15		
250 0,1181	Face vel.	4.22	6.63	3.65	5.37	3.03	4.1	2.52	3.201	2.24	2.79
	P _t mm H ₂ O	0.99	2.64	0.58	1.83	0.36	1.12	0.23	0.61	0.18	0.41
	Throw in (M)	5.2-7.6	4.6-6.7	5.2-7.6	4.3-6.7	5.2-7.6	4.3-6.4	5.2-7.6	3.9-6.4	5.2-7.3	3.6-6.0
	N.C	15	21	<15	18	<15	<15	<15	<15	<15	<15
300 0,1417	Face vel.	5.06	7.96	4.37	6.44	3.63	4.92	3.02	3.84	2.68	3.36
	P _t mm H ₂ O	1.42	3.81	0.84	2.62	0.51	1.6	0.33	0.89	0.25	0.58
	Throw in (M)	5.8-8.2	5.2-7.3	5.8-8.2	5.2-7.3	5.8-8.2	4.8-7.3	5.8-8.2	4.8-7.3	5.5-7.9	4.9-7.0
	N.C	20	27	17	22	<15	19	<15	<15	<15	<15
400 0,1889	Face vel.	6.75	10.6	5.83	8.59	4.84	6.56	4.03	5.19	3.58	4.47
	P _t mm H ₂ O	2.51	6.73	1.47	4.67	0.91	2.87	0.61	1.6	0.46	1.07
	Throw in (M)	6.7-9.8	6.4-8.8	6.7-9.8	6.1-8.5	6.7-9.8	5.8-8.5	6.7-9.5	5.8-8.2	6.7-9.5	5.5-8.2
	N.C	29	36	24	27	19	21	<15	17	<15	<15
500 0,2362	Face vel.	8.44	13.27	7.29	10.74	6.06	8.2	5.036	6.4	4.47	5.59
	P _t mm H ₂ O	3.91	10.54	2.28	7.24	1.45	4.47	0.94	2.46	0.71	1.65
	Throw in (M)	7.3-10.9	6.7-9.2	7.3-10.9	6.7-9.1	7.6-11.0	6.4-9.1	7.9-11.3	6.4-9.1	7.6-11.3	8.2-9.1
	N.C	35	42	30	32	26	28	18	24	15	19
600 0,2834	Face vel.			8.75	12.88	7.27	9.84	6.04	7.88	5.37	6.72
	P _t mm H ₂ O			3.3	10.52	2.06	6.45	1.35	3.58	1.04	2.36
	Throw in (M)			8.5-12.2	7.0-10.0	8.5-12.2	7.0-10.0	8.5-12.2	7.0-10.0	8.5-12.2	6.7-10.1
	N.C			36	39	30	35	25	31	19	24
700 0,3307	Face vel.					8.48	11.48	7.05	8.96	6.26	7.84
	P _t mm H ₂ O					2.82	8.76	1.83	4.83	1.40	3.25
	Throw in (M)					9.1-13.1	7.6-10.9	9.1-13.1	7.6-11.0	9.1-13.1	7.6-10.9
	N.C					36	42	32	37	25	31
800 0,3778	Face vel.							8.05	10.24	7.16	8.95
	P _t mm H ₂ O							2.41	6.35	1.83	4.22
	Throw in (M)							9.8-14.0	8.2-11.9	9.8-13.7	8.2-11.9
	N.C							36	41	33	37
900 0,425	Face vel.							9.06	11.52	8.05	10.07
	P _t mm H ₂ O							3.05	8.0	2.31	5.3
	Throw in (M)							10.0-14.6	8.5-12.5	10.0-14.6	8.4-12.5
	N.C							40	45	36	41

- Face velocity is measured in m/sec.
- Total pressure loss is in mm of H₂O & Area factor in square meter.
- Throw (meters) is measured for a terminal velocities of 0.5 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.

CFM M ³ /sec	Listed Size in mm x mm	350 x 350 400 x 300 500 x 250 600 x 200 900 x 150		400 x 400 500 x 300 600 x 250 750 x 200		500 x 350 600 x 300 700 x 250 900 x 200 1200 x 150		450 x 450 500 x 400 800 x 250 1000 x 200	
		Area factor	0.0633	0.0529	0.0827	0.072	0.0926	0.0853	0.1069
	Deflection	0°	45°	0°	45°	0°	0°	0°	45°
500 0,2362	Face vel.	3.73	4.47	2.86	3.28	2.46	2.77	2.21	2.43
	P _t mm H ₂ O	0.48	1.02	0.28	0.45	0.20	0.31	0.15	0.23
	Throw in (M)	7.3-10.9	5.8-9.1	6.7-10.7	5.5-9.1	9.5-10.4	5.2-9.1	6.1-10.1	4.9-8.8
	N.C	<15	16	<15	<15	<15	<15	<15	<15
600 0,2834	Face vel.	4.47	5.36	3.43	3.94	2.95	3.32	2.65	2.92
	P _t mm H ₂ O	0.71	1.45	0.41	0.63	0.31	0.43	0.23	0.31
	Throw in (M)	8.2-11.9	6.4-10.1	7.6-11.6	6.4-10.1	7.3-11.3	6.1-10.1	7.0-10.7	6.1-9.8
	N.C	16	20	<15	18	<15	15	<15	<15
700 0,3307	Face vel.	5.22	6.25	4.0	4.59	3.44	3.88	3.09	3.4
	P _t mm H ₂ O	0.96	1.98	0.56	0.86	0.41	0.56	0.31	0.43
	Throw in (M)	8.8-12.8	7.3-10.9	8.5-12.5	7.0-11.0	8.5-12.2	7.0-10.9	8.2-11.9	6.7-10.7
	N.C	22	26	19	23	16	20	15	19
800 0,3778	Face vel.	5.97	7.14	4.57	5.25	3.93	4.43	3.53	3.89
	P _t mm H ₂ O	1.27	2.59	0.71	1.14	0.53	0.74	0.38	0.56
	Throw in (M)	9.8-13.4	8.2-11.9	9.5-13.1	7.9-10.6	9.5-13.1	7.9-11.6	9.1-12.5	7.6-11.3
	N.C	30	32	26	28	21	25	20	24
900 0,425	Face vel.	6.71	8.03	5.14	5.9	4.42	4.98	3.98	4.38
	P _t mm H ₂ O	1.60	3.25	0.91	1.45	0.68	0.94	0.48	0.71
	Throw in (M)	10.1-14.6	8.5-12.5	10.1-14.3	8.5-12.2	10.1-14.0	8.5-12.2	9.8-13.7	8.2-12.2
	N.C	33	36	30	33	25	30	24	29
1000 0,472	Face vel.	7.44	8.92	5.69	6.55	4.92	5.55	4.45	4.86
	P _t mm H ₂ O	1.98	4.01	1.11	1.78	0.84	1.17	0.61	0.86
	Throw in (M)	10.7-15	9.1-13	10.4-15	9.1-13.1	10.4-14.6	9.1-13.1	10.1-14.3	9.2-13.1
	N.C	37	40	34	36	30	33	29	32
1100 0,519	Face vel.	8.18	9.81	6.25	7.21	5.41	6.11	4.89	5.35
	P _t mm H ₂ O	2.39	4.88	1.35	2.16	1.02	1.42	0.74	1.07
	Throw in (M)	10.9-16	9.8-14	10.7-15	9.8-14	10.7-15.0	9.8-14	10.4-14.9	9.8-14
	N.C	40	45	36	40	33	36	32	35
1200 0,567	Face vel.			6.83	7.87	5.91	6.67	5.35	5.84
	P _t mm H ₂ O			1.60	2.54	1.22	1.68	1.0	1.24
	Throw in (M)			11.3-16	10.4-15	11.3-15.9	10.4-14.9	11-15.2	10-14.8
	N.C			38	43	36	40	35	39
1400 0,661	Face vel.			7.96	9.18	6.88	7.77	6.23	6.81
	P _t mm H ₂ O			2.18	3.51	1.65	2.28	1.19	1.73
	Throw in (M)			12.2-17	11-15.5	12.2-16.8	10.9-15.2	11.6-16.2	10.4-15
	N.C			44	49	41	44	40	43

- Face velocity is measured in m/sec.
- Total pressure loss is in mm of H₂O & Area factor in square meter.
- Throw (meters) is measured for a terminal velocities of 0.5 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.

CFM M ³ /sec	Listed Size in mm x mm	600 x 400 900 x 250 800 x 300 1200 x 200		800 x 350 900 x 300 1100 x 250 1400 x 200		600 x 600 900 x 400 1000 x 350 1200 x 300		750 x 600 900 x 500 1000 x 450 1500 x 300 1200 x 375		800 x 750 900 x 700 1000 x 600 1200 x 500	
		Area factor	0.1352	0.1	0.162	0.1159	0.216	0.162	0.27	0.216	0.354
	Deflection	0°	45°	0°	45°	0°	45°	0°	45°	0°	45°
1100 0,519	Face vel	3.84	5.19	3.20	4.48	2.4	3.2	1.92	2.4		
	P _t mm H ₂ O	0.64	0.98	0.59	0.84	0.52	0.76	0.42	0.62		
	Throw in (M)	9.8-14.3	9.2-13.2	9.2-13.6	8.6-12.8	8.8-13.0	8.1-11.3	7.0-9.1	6.2-8.3		
	N,C	30	33	28	29	25	27	20	24		
1200 0,567	Face vel	4.19	5.67	3.5	4.89	2.63	3.5	2.1	2.63	1.6	1.97
	P _t mm H ₂ O	0.87	1.09	0.69	0.92	0.58	0.81	0.48	0.71	0.38	0.51
	Throw in (M)	10.3-14.8	9.8-14.0	9.7-14.3	9.1-13.2	9.3-13.8	8.4-11.9	7.5-10.8	6.8-9.4	6.3-9.2	5.7-8.1
	N,C	32	35	30	32	27	29	24	26	20	22
1400 0,661	Face vel	4.89	6.61	4.08	5.7	3.06	4.08	2.45	3.06	1.87	2.29
	P _t mm H ₂ O	0.93	1.51	0.76	1.21	0.63	0.98	0.51	0.79	0.43	0.58
	Throw in (M)	10.8-15.4	10.2-14.6	10.1-15.0	9.7-13.8	9.7-14.3	8.8-11.3	8.1-11.3	7.3-10.1	6.8-10.1	6.1-8.8
	N,C	35	38	33	35	30	32	27	29	23	25
1600 0,756	Face vel	5.59	7.56	4.67	6.52	3.5	4.82	2.8	3.5	2.13	2.63
	P _t mm H ₂ O	1.03	1.82	0.84	1.43	0.71	1.12	0.63	0.91	0.51	0.64
	Throw in (M)	11.5-16.9	10.8-15.1	10.6-15.4	10.1-14.5	10.1-14.8	9.3-12.1	8.8-12.1	7.9-10.7	7.3-10.9	6.7-9.2
	N,C	38	40	36	37	33	34	29	31	25	28
1800 0,85	Face vel	6.29	8.5	5.25	7.33	3.94	5.32	3.15	3.94	2.4	2.95
	P _t mm H ₂ O	1.32	2.24	0.97	1.73	0.82	1.34	0.72	1.13	0.58	0.78
	Throw in (M)	12.6-18.2	11.4-17.3	11.8-16.7	10.7-15.3	10.9-16.1	9.8-14.1	10.1-14.2	8.2-12.2	7.9-11.6	7.1-9.8
	N,C	41	44	39	41	36	37	31	33	28	31
2000 0,945	Face vel	6.99	9.78	5.83	8.15	4.38	5.83	3.5	4.38	2.7	3.28
	P _t mm H ₂ O	1.61	2.53	1.03	1.92	0.88	1.52	0.78	1.23	0.61	0.83
	Throw in (M)	13.8-19.7	12.4-18.6	13.2-18.1	11.6-16.5	12.1-17.3	10.3-14.8	10.7-15.1	8.8-13.1	8.2-11.8	7.4-10.4
	N,C	44	47	41	43	39	41	33	36	28	32
2200 1,039	Face vel			6.41	8.96	4.81	6.41	3.85	4.81	2.94	3.61
	P _t mm H ₂ O			1.16	2.42	0.95	1.82	0.83	1.45	0.72	0.93
	Throw in (M)			14.3-19.5	12.4-17.7	12.8-18.1	10.9-15.7	11.2-16.4	9.3-13.8	8.9-13.0	8.1-11.3
	N,C			44	47	41	44	35	39	30	33
2400 1,134	Face vel					5.25	7.0	4.2	5.25	3.2	3.94
	P _t mm H ₂ O					1.13	2.04	0.93	1.63	0.81	1.03
	Throw in (M)					13.7-19.2	11.4-16.4	12.2-17.3	9.9-14.7	9.5-13.8	8.7-12.1
	N,C					43	46	37	42	32	35
2600 1,228	Face vel					5.69	7.58	4.55	5.69	3.47	4.26
	P _t mm H ₂ O					1.43	2.43	1.07	1.93	0.92	1.32
	Throw in (M)					14.4-21.3	12.1-17.6	13.1-18.4	10.7-15.4	10.7-15.7	9.3-13.2
	N,C					45	48	40	44	33	37

- Face velocity is measured in m/sec.
- Total pressure loss is in mm of H₂O & Area factor in square meter.
- Throw (meters) is measured for a terminal velocities of 0.5 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.