AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw							
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m		2	3	4	5	6	7
153 x 153	0.023	2.03	36	4.1	2.0 - 3.0 - 4.9	5.6	1.6 - 2.3 - 3.8	7.1	0.9 - 1.4 - 2.2	-	26	15	16	-	-	-
		3.30	59	10.9	3.3 - 4.4 - 6.2	14.9	2.5 - 3.4 - 4.8	18.8	1.5 - 2.0 - 2.8	13	38	28	29	20	-	-
		4.57	81	21.0	4.2 - 5.2 - 7.3	28.5	3.3 - 4.0 - 5.7	36.0	1.9 - 2.3 - 3.3	23	45	37	38	32	26	21
		5.84	104	34.2	4.8 - 5.9 - 8.3	46.5	3.7 - 4.5 - 6.4	58.9	2.2 - 2.6 - 3.7	30	51	44	44	41	38	34
		7.11	126	50.7	5.3 - 6.5 - 9.1	69.0	4.1 - 5.0 - 7.1	87.2	2.4 - 2.9 - 4.1	36	55	49	49	49	48	44
204 x 153	0.031	2.03	50	4.1	2.4 - 3.5 - 5.7	5.6	1.8 - 2.7 - 4.5	7.1	1.1 - 1.6 - 2.6	-	28	16	17	-	-	-
		3.30	81	10.9	3.8 - 5.2 - 7.3	14.9	3.0 - 4.0 - 5.7	18.8	1.7 - 2.3 - 3.3	14	39	29	30	21	12	-
		4.57	112	21.0	5.0 - 6.1 - 8.6	28.5	3.9 - 4.7 - 6.7	36.0	2.2 - 2.7 - 3.9	24	47	38	39	34	28	23
		5.84	143	34.2	5.6 - 6.9 - 9.7	46.5	4.4 - 5.3 - 7.6	58.9	2.5 - 3.1 - 4.4	31	52	45	46	43	40	35
		7.11	175	50.7	6.2 - 7.6 - 10.8	69.0	4.8 - 5.9 - 8.3	87.2	2.8 - 3.4 - 4.8	37	57	50	51	50	50	45
254 x 153	0.039	2.03	64	4.1	2.7 - 4.0 - 6.5	5.6	2.1 - 3.1 - 5.0	7.1	1.2 - 1.8 - 2.9	-	29	17	18	-	-	-
		3.18	99	10.1	4.2 - 5.7 - 8.1	13.7	3.2 - 4.4 - 6.3	17.4	1.9 - 2.6 - 3.7	14	39	29	30	21	11	-
		4.32	135	18.7	5.5 - 6.7 - 9.5	25.4	4.2 - 5.2 - 7.3	32.2	2.5 - 3.0 - 4.3	23	46	38	38	32	26	21
		5.46	171	29.9	6.1 - 7.5 - 10.6	40.7	4.8 - 5.8 - 8.2	51.4	2.8 - 3.4 - 4.8	30	52	44	45	41	38	33
		6.60	207	43.7	6.8 - 8.3 - 11.7	59.5	5.2 - 6.4 - 9.1	75.2	3.0 - 3.7 - 5.3	36	56	49	50	48	47	42
204 x 204	0.041	2.03	69	4.1	2.8 - 4.2 - 6.8	5.6	2.1 - 3.2 - 5.2	7.1	1.2 - 1.9 - 3.0	-	29	17	19	-	-	-
		3.18	108	10.1	4.3 - 6.0 - 8.4	13.7	3.4 - 4.6 - 6.5	17.4	1.9 - 2.7 - 3.8	14	39	30	31	21	11	-
		4.32	146	18.7	5.7 - 7.0 - 9.8	25.4	4.4 - 5.4 - 7.6	32.2	2.6 - 3.1 - 4.4	24	47	38	39	33	26	21
		5.46	185	29.9	6.4 - 7.8 - 11.1	40.7	5.0 - 6.1 - 8.6	51.4	2.9 - 3.5 - 5.0	31	52	44	45	42	38	33
		6.60	224	43.7	7.0 - 8.6 - 12.2	59.5	5.4 - 6.7 - 9.4	75.2	3.2 - 3.9 - 5.5	36	57	50	50	49	47	43
305 x 153	0.046	2.03	77	4.1	2.9 - 4.4 - 7.2	5.6	2.3 - 3.4 - 5.5	7.1	1.3 - 2.0 - 3.2	-	30	18	19	-	-	-
		3.05	116	9.3	4.4 - 6.2 - 8.8	12.7	3.4 - 4.8 - 6.8	16.0	2.0 - 2.8 - 3.9	14	39	29	30	20	-	-
		4.06	155	16.6	5.8 - 7.2 - 10.1	22.5	4.5 - 5.5 - 7.8	28.5	2.6 - 3.2 - 4.6	22	46	37	38	31	24	19
		5.08	194	25.9	6.5 - 8.0 - 11.3	35.2	5.1 - 6.2 - 8.8	44.5	2.9 - 3.6 - 5.1	29	51	43	44	39	35	30
		6.10	232	37.3	7.2 - 8.8 - 12.4	50.7	5.5 - 6.8 - 9.6	64.1	3.2 - 3.9 - 5.6	34	55	48	49	46	44	39
356 x 153	0.054	2.03	91	4.1	3.2 - 4.8 - 7.8	5.6	2.5 - 3.7 - 6.0	7.1	1.4 - 2.2 - 3.5	-	30	19	20	-	-	-
		3.05	137	9.3	4.8 - 6.7 - 9.5	12.7	3.7 - 5.2 - 7.4	16.0	2.2 - 3.0 - 4.3	14	40	30	31	21	-	-
		4.06	182	16.6	6.3 - 7.8 - 11.0	22.5	4.9 - 6.0 - 8.5	28.5	2.9 - 3.5 - 4.9	23	46	38	38	32	25	19
		5.08	228	25.9	7.1 - 8.7 - 12.3	35.2	5.5 - 6.7 - 9.5	44.5	3.2 - 3.9 - 5.5	30	52	44	44	40	36	31
		6.10	274	37.3	7.8 - 9.5 - 13.5	50.7	6.0 - 7.4 - 10.4	64.1	3.5 - 4.3 - 6.1	35	56	49	49	47	45	40
305 x 204	0.062	2.03	107	4.1	3.5 - 5.2 - 8.4	5.6	2.7 - 4.0 - 6.5	7.1	1.6 - 2.3 - 3.8	-	31	19	20	-	-	-
		3.05	160	9.3	5.2 - 7.3 - 10.3	12.7	4.0 - 5.6 - 8.0	16.0	2.3 - 3.3 - 4.6	15	40	30	31	22	11	-
		4.06	214	16.6	6.9 - 8.4 - 11.9	22.5	5.3 - 6.5 - 9.2	28.5	3.1 - 3.8 - 5.4	24	47	38	39	32	25	20
		5.08	267	25.9	7.7 - 9.4 - 13.3	35.2	6.0 - 7.3 - 10.3	44.5	3.5 - 4.2 - 6.0	30	52	44	45	41	36	31
		6.10	321	37.3	8.4 - 10.3 - 14.6	50.7	6.5 - 8.0 - 11.3	64.1	3.8 - 4.6 - 6.6	36	57	49	50	48	45	41
254 x 254	0.064	2.03	112	4.1	3.5 - 5.3 - 8.6	5.6	2.7 - 4.1 - 6.7	7.1	1.6 - 2.4 - 3.9	-	31	19	21	-	-	-
		3.05	168	9.3	5.3 - 7.5 - 10.6	12.7	4.1 - 5.8 - 8.2	16.0	2.4 - 3.4 - 4.7	15	41	31	32	22	11	-
		4.06	224	16.6	7.0 - 8.6 - 12.2	22.5	5.5 - 6.7 - 9.4	28.5	3.2 - 3.9 - 5.5	24	47	38	39	33	25	20
		5.08	280	25.9	7.9 - 9.6 - 13.6	35.2	6.1 - 7.5 - 10.6	44.5	3.5 - 4.3 - 6.1	31	53	45	45	41	36	32
		6.10	337	37.3	8.6 - 10.6 - 14.9	50.7	6.7 - 8.2 - 11.6	64.1	3.9 - 4.7 - 6.7	36	57	50	50	48	45	41
458 x 153	0.070	2.03	119	4.1	3.6 - 5.5 - 8.9	5.6	2.8 - 4.2 - 6.9	7.1	1.6 - 2.5 - 4.0	-	31	20	21	-	-	-
		3.05	178	9.3	5.5 - 7.7 - 10.9	12.7	4.2 - 5.9 - 8.4	16.0	2.5 - 3.5 - 4.9	16	41	31	32	22	12	-
		4.06	237	16.6	7.2 - 8.9 - 12.5	22.5	5.6 - 6.9 - 9.7	28.5	3.3 - 4.0 - 5.6	24	48	39	40	33	26	20
		5.08	297	25.9	8.1 - 9.9 - 14.0	35.2	6.3 - 7.7 - 10.9	44.5	3.6 - 4.5 - 6.3	31	53	45	46	41	37	32
		6.10	356	37.3	8.9 - 10.9 - 15.4	50.7	6.9 - 8.4 - 11.9	64.1	4.0 - 4.9 - 6.9	36	57	50	51	48	46	41
305 x 254	0.077	2.03	136	4.1	3.9 - 5.9 - 9.5	5.6	3.0 - 4.5 - 7.4	7.1	1.8 - 2.6 - 4.3	-	32	20	21	-	-	-
		3.05	205	9.3	5.9 - 8.2 - 11.6	12.7	4.5 - 6.4 - 9.0	16.0	2.6 - 3.7 - 5.2	16	41	31	32	23	12	-
		4.06	273	16.6	7.8 - 9.5 - 13.4	22.5	6.0 - 7.4 - 10.4	28.5	3.5 - 4.3 - 6.0	25	48	39	40	33	26	21
		5.08	341	25.9	8.7 - 10.6 - 15.0	35.2	6.7 - 8.2 - 11.6	44.5	3.9 - 4.8 - 6.8	31	53	45	46	42	37	32
		6.10	409	37.3	9.5 - 11.6 - 16.5	50.7	7.4 - 9.0 - 12.8	64.1	4.3 - 5.2 - 7.4	37	58	50	51	49	46	42
559 x 153	0.085	2.03	146	4.1	4.0 - 6.1 - 9.8	5.6	3.1 - 4.7 - 7.6	7.1	1.8 - 2.7 - 4.4	-	32	21	22	-	-	-
		3.05	219	9.3	6.1 - 8.5 - 12.0	12.7	4.7 - 6.6 - 9.3	16.0	2.7 - 3.8 - 5.4	16	42	32	33	23	12	-
		4.06	293	16.6	8.0 - 9.8 - 13.9	22.5	6.2 - 7.6 - 10.8	28.5	3.6 - 4.4 - 6.3	25	48	40	40	34	27	21
		5.08	366	25.9	9.0 - 11.0 - 15.6	35.2	7.0 - 8.5 - 12.1	44.5	4.0 - 5.0 - 7.0	32	54	46	46	42	38	33
		6.10	439	37.3	9.8 - 12.0 - 17.0	50.7	7.6 - 9.3 - 13.2	64.1	4.4 - 5.4 - 7.7	37	58	51	51	49	47	42

NOTE: See notes on page I1-62.

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Excellence in Air Distribution

AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw							
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m		2	3	4	5	6	7
305 x 305	0.093	2.03	166	4.1	4.3 - 6.5 - 10.5	5.6	3.3 - 5.0 - 8.1	7.1	1.9 - 2.9 - 4.7	-	33	21	22	-	-	-
		2.92	239	8.6	6.2 - 8.9 - 12.6	11.6	4.8 - 6.9 - 9.7	14.7	2.8 - 4.0 - 5.7	16	41	31	32	22	11	-
		3.81	311	14.6	8.1 - 10.1 - 14.3	19.8	6.3 - 7.9 - 11.1	25.0	3.6 - 4.6 - 6.5	24	48	38	39	32	24	19
		4.70	384	22.1	9.2 - 11.3 - 15.9	30.1	7.1 - 8.7 - 12.4	38.1	4.1 - 5.1 - 7.2	30	52	44	45	40	34	29
		5.59	456	31.3	10.0 - 12.3 - 17.4	42.6	7.8 - 9.5 - 13.5	53.8	4.5 - 5.5 - 7.8	35	56	49	50	46	43	38
458 x 254	0.116	2.03	209	4.1	4.8 - 7.2 - 11.8	5.6	3.7 - 5.6 - 9.1	7.1	2.2 - 3.3 - 5.3	-	34	22	23	-	-	-
		2.92	301	8.6	6.9 - 10.0 - 14.1	11.6	5.4 - 7.7 - 10.9	14.7	3.1 - 4.5 - 6.3	17	42	32	33	23	12	-
		3.81	392	14.6	9.1 - 11.4 - 16.1	19.8	7.0 - 8.8 - 12.5	25.0	4.1 - 5.1 - 7.3	25	49	39	40	33	25	20
		4.70	484	22.1	10.3 - 12.7 - 17.9	30.1	8.0 - 9.8 - 13.9	38.1	4.6 - 5.7 - 8.1	31	53	45	46	41	35	30
		5.59	575	31.3	11.3 - 13.8 - 19.5	42.6	8.7 - 10.7 - 15.1	53.8	5.1 - 6.2 - 8.8	36	57	50	51	47	44	39
356 x 356	0.126	2.03	230	4.1	5.1 - 7.6 - 12.3	5.6	3.9 - 5.9 - 9.6	7.1	2.3 - 3.4 - 5.6	-	34	23	24	-	-	-
		2.92	331	8.6	7.3 - 10.5 - 14.8	11.6	5.6 - 8.1 - 11.5	14.7	3.3 - 4.7 - 6.7	17	43	33	34	23	12	-
		3.81	432	14.6	9.5 - 12.0 - 16.9	19.8	7.4 - 9.3 - 13.1	25.0	4.3 - 5.4 - 7.6	25	49	40	41	33	25	20
		4.70	532	22.1	10.8 - 13.3 - 18.8	30.1	8.4 - 10.3 - 14.5	38.1	4.9 - 6.0 - 8.4	31	54	46	46	41	36	31
		5.59	633	31.3	11.8 - 14.5 - 20.5	42.6	9.2 - 11.2 - 15.9	53.8	5.3 - 6.5 - 9.2	36	58	50	51	48	44	39
686 x 204	0.139	2.03	249	4.1	5.3 - 7.9 - 12.9	5.6	4.1 - 6.1 - 10.0	7.1	2.4 - 3.6 - 5.8	-	35	23	24	-	-	-
		2.92	359	8.6	7.6 - 10.9 - 15.4	11.6	5.9 - 8.4 - 11.9	14.7	3.4 - 4.9 - 6.9	17	43	33	34	24	13	-
		3.81	468	14.6	9.9 - 12.4 - 17.6	19.8	7.7 - 9.6 - 13.6	25.0	4.5 - 5.6 - 7.9	25	49	40	41	34	26	20
		4.70	577	22.1	11.3 - 13.8 - 19.5	30.1	8.7 - 10.7 - 15.1	38.1	5.1 - 6.2 - 8.8	32	54	46	47	42	36	31
		5.59	686	31.3	12.3 - 15.1 - 21.3	42.6	9.5 - 11.7 - 16.5	53.8	5.5 - 6.8 - 9.6	37	58	51	51	48	45	40
559 x 254	0.142	2.03	258	4.1	5.4 - 8.0 - 13.1	5.6	4.2 - 6.2 - 10.1	7.1	2.4 - 3.6 - 5.9	-	35	23	24	-	-	-
		2.92	370	8.6	7.7 - 11.1 - 15.7	11.6	6.0 - 8.6 - 12.1	14.7	3.5 - 5.0 - 7.0	17	43	33	34	24	13	-
		3.81	483	14.6	10.1 - 12.6 - 17.9	19.8	7.8 - 9.8 - 13.9	25.0	4.5 - 5.7 - 8.0	25	49	40	41	34	26	21
		4.70	596	22.1	11.5 - 14.0 - 19.9	30.1	8.9 - 10.9 - 15.4	38.1	5.2 - 6.3 - 8.9	32	54	46	47	42	36	31
		5.59	709	31.3	12.5 - 15.3 - 21.7	42.6	9.7 - 11.9 - 16.8	53.8	5.6 - 6.9 - 9.7	37	58	51	52	48	45	40
610 x 254	0.155	1.52	211	2.3	3.9 - 6.3 - 11.8	3.2	3.0 - 4.9 - 9.2	4.0	1.7 - 2.8 - 5.3	-	28	16	17	-	-	-
		2.41	335	5.8	6.7 - 10.0 - 14.9	7.9	5.2 - 7.7 - 11.5	10.0	3.0 - 4.5 - 6.7	12	39	28	29	17	-	-
		3.30	458	10.9	9.1 - 12.3 - 17.4	14.9	7.1 - 9.5 - 13.5	18.8	4.1 - 5.5 - 7.8	22	46	37	38	29	19	14
		4.19	582	17.6	11.3 - 13.9 - 19.6	24.0	8.8 - 10.8 - 15.2	30.3	5.1 - 6.2 - 8.8	29	52	43	44	38	31	26
		5.08	705	25.9	12.5 - 15.3 - 21.6	35.2	9.7 - 11.8 - 16.7	44.5	5.6 - 6.9 - 9.7	34	57	49	49	45	40	36
458 x 356	0.163	1.52	225	2.3	4.0 - 6.5 - 12.2	3.2	3.1 - 5.0 - 9.5	4.0	1.8 - 2.9 - 5.5	-	29	16	17	-	-	-
		2.41	356	5.8	6.9 - 10.3 - 15.3	7.9	5.3 - 8.0 - 11.9	10.0	3.1 - 4.6 - 6.9	12	39	28	30	17	-	-
		3.30	487	10.9	9.4 - 12.7 - 18.0	14.9	7.3 - 9.8 - 13.9	18.8	4.2 - 5.7 - 8.1	22	47	37	38	29	19	14
		4.19	618	17.6	11.7 - 14.3 - 20.2	24.0	9.0 - 11.1 - 15.7	30.3	5.3 - 6.4 - 9.1	29	52	44	44	38	31	26
		5.08	749	25.9	12.9 - 15.7 - 22.3	35.2	10.0 - 12.2 - 17.3	44.5	5.8 - 7.1 - 10.0	35	57	49	50	45	41	36
407 x 407	0.165	1.52	229	2.3	4.0 - 6.6 - 12.3	3.2	3.1 - 5.1 - 9.5	4.0	1.8 - 3.0 - 5.5	-	29	16	17	-	-	-
		2.41	362	5.8	6.9 - 10.4 - 15.5	7.9	5.4 - 8.1 - 12.0	10.0	3.1 - 4.7 - 7.0	12	40	29	30	17	-	-
		3.30	495	10.9	9.5 - 12.8 - 18.1	14.9	7.3 - 9.9 - 14.0	18.8	4.3 - 5.8 - 8.1	22	47	37	38	29	20	14
		4.19	629	17.6	11.8 - 14.4 - 20.4	24.0	9.1 - 11.2 - 15.8	30.3	5.3 - 6.5 - 9.2	29	52	44	44	38	31	26
		5.08	762	25.9	13.0 - 15.9 - 22.5	35.2	10.0 - 12.3 - 17.4	44.5	5.8 - 7.1 - 10.1	35	57	49	50	45	41	36
610 x 305	0.186	1.52	257	2.3	4.3 - 7.0 - 13.0	3.2	3.3 - 5.4 - 10.1	4.0	1.9 - 3.1 - 5.9	-	29	16	18	-	-	-
		2.41	407	5.8	7.3 - 11.0 - 16.4	7.9	5.7 - 8.5 - 12.7	10.0	3.3 - 5.0 - 7.4	13	40	29	30	18	-	-
		3.30	557	10.9	10.1 - 13.6 - 19.2	14.9	7.8 - 10.5 - 14.9	18.8	4.5 - 6.1 - 8.6	22	47	38	39	30	20	15
		4.19	707	17.6	12.5 - 15.3 - 21.6	24.0	9.7 - 11.9 - 16.8	30.3	5.6 - 6.9 - 9.7	29	53	44	45	39	32	27
		5.08	857	25.9	13.8 - 16.8 - 23.8	35.2	10.7 - 13.1 - 18.5	44.5	6.2 - 7.6 - 10.7	35	57	49	50	46	41	36
458 x 458	0.209	1.52	293	2.3	4.6 - 7.4 - 13.9	3.2	3.5 - 5.8 - 10.8	4.0	2.1 - 3.3 - 6.3	-	30	17	18	-	-	-
		2.41	463	5.8	7.8 - 11.8 - 17.5	7.9	6.1 - 9.1 - 13.6	10.0	3.5 - 5.3 - 7.9	14	41	30	31	18	-	-
		3.30	634	10.9	10.7 - 14.5 - 20.5	14.9	8.3 - 11.2 - 15.9	18.8	4.8 - 6.5 - 9.2	23	48	38	39	30	21	15
		4.19	805	17.6	13.3 - 16.3 - 23.1	24.0	10.3 - 12.6 - 17.9	30.3	6.0 - 7.3 - 10.4	30	53	45	46	39	32	27
		5.08	975	25.9	14.7 - 18.0 - 25.4	35.2	11.4 - 13.9 - 19.7	44.5	6.6 - 8.1 - 11.4	36	58	50	51	46	42	37
610 x 356	0.217	1.52	303	2.3	4.6 - 7.6 - 14.2	3.2	3.6 - 5.9 - 11.0	4.0	2.1 - 3.4 - 6.4	-	30	17	18	-	-	-
		2.41	480	5.8	8.0 - 12.0 - 17.8	7.9	6.2 - 9.3 - 13.8	10.0	3.6 - 5.4 - 8.0	14	41	30	31	19	-	-
		3.30	656	10.9	10.9 - 14.7 - 20.8	14.9	8.5 - 11.4 - 16.2	18.8	4.9 - 6.6 - 9.4	23	48	38	39	30	21	15
		4.19	833	17.6	13.6 - 16.6 - 23.5	24.0	10.5 - 12.9 - 18.2	30.3	6.1 - 7.5 - 10.6	30	54	45	46	39	33	27
		5.08	1010	25.9	14.9 - 18.3 - 25.9	35.2	11.6 - 14.2 - 20.0	44.5	6.7 - 8.2 - 11.6	36	58	50	51	47	42	37

NOTE: See notes on page I1-62.

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AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw							
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m		2	3	4	5	6	7
762 x 305	0.232	1.52	324	2.3	4.8 - 7.8 - 14.6	3.2	3.7 - 6.0 - 11.3	4.0	2.2 - 3.5 - 6.6	-	30	17	19	-	-	-
		2.41	512	5.8	8.2 - 12.4 - 18.4	7.9	6.4 - 9.6 - 14.3	10.0	3.7 - 5.6 - 8.3	14	41	30	31	19	-	-
		3.30	701	10.9	11.3 - 15.2 - 21.5	14.9	8.7 - 11.8 - 16.7	18.8	5.1 - 6.9 - 9.7	23	48	39	40	31	21	16
		4.19	890	17.6	14.0 - 17.2 - 24.3	24.0	10.9 - 13.3 - 18.8	30.3	6.3 - 7.7 - 10.9	30	54	45	46	40	33	28
		5.08	1078	25.9	15.4 - 18.9 - 26.7	35.2	12.0 - 14.6 - 20.7	44.5	6.9 - 8.5 - 12.0	36	58	50	51	47	42	37
610 x 407	0.248	1.52	349	2.3	5.0 - 8.1 - 15.2	3.2	3.9 - 6.3 - 11.8	4.0	2.2 - 3.6 - 6.8	-	31	18	19	-	-	-
		2.41	552	5.8	8.6 - 12.8 - 19.1	7.9	6.6 - 9.9 - 14.8	10.0	3.8 - 5.8 - 8.6	14	41	30	31	19	-	-
		3.30	755	10.9	11.7 - 15.8 - 22.4	14.9	9.1 - 12.3 - 17.3	18.8	5.3 - 7.1 - 10.1	24	49	39	40	31	21	16
		4.19	959	17.6	14.5 - 17.8 - 25.2	24.0	11.3 - 13.8 - 19.5	30.3	6.5 - 8.0 - 11.3	31	54	46	46	40	33	28
		5.08	1162	25.9	16.0 - 19.6 - 27.7	35.2	12.4 - 15.2 - 21.5	44.5	7.2 - 8.8 - 12.5	36	59	51	52	47	43	38
508 x 508	0.258	1.52	364	2.3	5.1 - 8.3 - 15.5	3.2	4.0 - 6.4 - 12.0	4.0	2.3 - 3.7 - 7.0	-	31	18	19	-	-	-
		2.41	577	5.8	8.7 - 13.1 - 19.5	7.9	6.8 - 10.2 - 15.1	10.0	3.9 - 5.9 - 8.8	14	42	31	32	19	-	-
		3.30	789	10.9	12.0 - 16.2 - 22.9	14.9	9.3 - 12.5 - 17.7	18.8	5.4 - 7.3 - 10.3	24	49	39	40	31	22	16
		4.19	1002	17.6	14.9 - 18.2 - 25.8	24.0	11.5 - 14.1 - 20.0	30.3	6.7 - 8.2 - 11.6	31	54	46	47	40	33	28
		5.08	1214	25.9	16.4 - 20.0 - 28.4	35.2	12.7 - 15.5 - 22.0	44.5	7.4 - 9.0 - 12.8	37	59	51	52	47	43	38
610 x 458	0.279	1.52	394	2.3	5.3 - 8.6 - 16.2	3.2	4.1 - 6.7 - 12.5	4.0	2.4 - 3.9 - 7.3	-	31	18	20	-	-	-
		2.41	624	5.8	9.1 - 13.6 - 20.3	7.9	7.0 - 10.6 - 15.8	10.0	4.1 - 6.1 - 9.1	15	42	31	32	20	-	-
		3.30	854	10.9	12.4 - 16.8 - 23.8	14.9	9.6 - 13.0 - 18.4	18.8	5.6 - 7.6 - 10.7	24	49	39	40	32	22	16
		4.19	1084	17.6	15.5 - 18.9 - 26.8	24.0	12.0 - 14.7 - 20.8	30.3	7.0 - 8.5 - 12.1	31	55	46	47	41	34	28
		5.08	1314	25.9	17.0 - 20.9 - 29.5	35.2	13.2 - 16.2 - 22.9	44.5	7.7 - 9.4 - 13.3	37	59	51	52	48	43	38
762 x 407	0.310	1.52	439	2.3	5.6 - 9.1 - 17.0	3.2	4.3 - 7.0 - 13.2	4.0	2.5 - 4.1 - 7.7	-	32	19	20	-	-	-
		2.41	694	5.8	9.6 - 14.4 - 21.4	7.9	7.4 - 11.2 - 16.6	10.0	4.3 - 6.5 - 9.6	15	42	31	32	20	-	-
		3.30	950	10.9	13.1 - 17.7 - 25.1	14.9	10.2 - 13.7 - 19.4	18.8	5.9 - 8.0 - 11.3	25	50	40	41	32	22	17
		4.19	1206	17.6	16.3 - 20.0 - 28.3	24.0	12.6 - 15.5 - 21.9	30.3	7.3 - 9.0 - 12.7	32	55	47	47	41	34	29
		5.08	1462	25.9	18.0 - 22.0 - 31.1	35.2	13.9 - 17.0 - 24.1	44.5	8.1 - 9.9 - 14.0	37	60	52	53	48	44	39
559 x 559	0.312	1.52	444	2.3	5.6 - 9.1 - 17.1	3.2	4.4 - 7.1 - 13.3	4.0	2.5 - 4.1 - 7.7	-	32	19	20	-	-	-
		2.41	703	5.8	9.7 - 14.5 - 21.6	7.9	7.5 - 11.2 - 16.7	10.0	4.3 - 6.5 - 9.7	15	42	31	32	20	-	-
		3.30	962	10.9	13.2 - 17.8 - 25.2	14.9	10.2 - 13.8 - 19.6	18.8	5.9 - 8.0 - 11.4	25	50	40	41	32	22	17
		4.19	1221	17.6	16.4 - 20.1 - 28.4	24.0	12.7 - 15.6 - 22.0	30.3	7.4 - 9.0 - 12.8	32	55	47	47	41	34	29
		5.08	1480	25.9	18.1 - 22.1 - 31.3	35.2	14.0 - 17.2 - 24.3	44.5	8.1 - 10.0 - 14.1	37	60	52	53	48	44	39
915 x 356	0.325	1.52	459	2.3	5.7 - 9.3 - 17.4	3.2	4.4 - 7.2 - 13.5	4.0	2.6 - 4.2 - 7.8	-	32	19	20	-	-	-
		2.41	727	5.8	9.8 - 14.7 - 21.9	7.9	7.6 - 11.4 - 17.0	10.0	4.4 - 6.6 - 9.9	15	43	32	33	20	-	-
		3.30	995	10.9	13.4 - 18.1 - 25.7	14.9	10.4 - 14.1 - 19.9	18.8	6.0 - 8.2 - 11.5	25	50	40	41	32	23	17
		4.19	1263	17.6	16.7 - 20.4 - 28.9	24.0	12.9 - 15.8 - 22.4	30.3	7.5 - 9.2 - 13.0	32	55	47	48	41	34	29
		5.08	1531	25.9	18.4 - 22.5 - 31.8	35.2	14.2 - 17.4 - 24.7	44.5	8.3 - 10.1 - 14.3	38	60	52	53	48	44	39
610 x 559	0.341	1.52	486	2.3	5.9 - 9.6 - 17.9	3.2	4.6 - 7.4 - 13.9	4.0	2.6 - 4.3 - 8.1	-	32	19	20	-	-	-
		2.29	729	5.2	9.6 - 14.3 - 22.0	7.1	7.4 - 11.1 - 17.0	9.0	4.3 - 6.5 - 9.9	14	42	30	31	19	-	-
		3.05	972	9.3	12.8 - 17.9 - 25.4	12.7	9.9 - 13.9 - 19.7	16.0	5.7 - 8.1 - 11.4	23	48	38	39	29	19	13
		3.81	1214	14.6	15.9 - 20.0 - 28.4	19.8	12.4 - 15.5 - 22.0	25.0	7.2 - 9.0 - 12.8	29	53	44	45	38	30	25
		4.57	1457	21.0	17.9 - 22.0 - 31.1	28.5	13.9 - 17.0 - 24.1	36.0	8.1 - 9.9 - 14.0	35	58	49	50	45	39	34
762 x 458	0.348	1.52	496	2.3	5.9 - 9.7 - 18.1	3.2	4.6 - 7.5 - 14.0	4.0	2.7 - 4.3 - 8.2	-	32	19	21	-	-	-
		2.29	744	5.2	9.7 - 14.5 - 22.2	7.1	7.5 - 11.2 - 17.2	9.0	4.3 - 6.5 - 10.0	14	42	30	32	19	-	-
		3.05	992	9.3	12.9 - 18.1 - 25.6	12.7	10.0 - 14.0 - 19.9	16.0	5.8 - 8.2 - 11.5	23	48	38	39	30	19	13
		3.81	1240	14.6	16.1 - 20.3 - 28.7	19.8	12.5 - 15.7 - 22.2	25.0	7.2 - 9.1 - 12.9	29	54	44	45	38	30	25
		4.57	1488	21.0	18.1 - 22.2 - 31.4	28.5	14.0 - 17.2 - 24.3	36.0	8.2 - 10.0 - 14.1	35	58	49	50	45	39	34
915 x 407	0.372	1.52	529	2.3	6.1 - 10.0 - 18.7	3.2	4.8 - 7.7 - 14.5	4.0	2.8 - 4.5 - 8.4	-	32	20	21	-	-	-
		2.29	793	5.2	10.0 - 15.0 - 22.9	7.1	7.7 - 11.6 - 17.8	9.0	4.5 - 6.7 - 10.3	14	42	31	32	19	-	-
		3.05	1057	9.3	13.3 - 18.7 - 26.5	12.7	10.3 - 14.5 - 20.5	16.0	6.0 - 8.4 - 11.9	23	49	39	40	30	19	14
		3.81	1321	14.6	16.6 - 20.9 - 29.6	19.8	12.9 - 16.2 - 22.9	25.0	7.5 - 9.4 - 13.3	30	54	45	46	38	30	25
		4.57	1586	21.0	18.7 - 22.9 - 32.4	28.5	14.5 - 17.8 - 25.1	36.0	8.4 - 10.3 - 14.6	35	58	50	50	45	39	34
915 x 458	0.418	1.52	598	2.3	6.5 - 10.6 - 19.9	3.2	5.1 - 8.2 - 15.4	4.0	2.9 - 4.8 - 9.0	-	33	20	21	-	-	-
		2.29	897	5.2	10.6 - 15.9 - 24.4	7.1	8.2 - 12.3 - 18.9	9.0	4.8 - 7.2 - 11.0	15	42	31	32	19	-	-
		3.05	1196	9.3	14.1 - 19.9 - 28.1	12.7	11.0 - 15.4 - 21.8	16.0	6.4 - 9.0 - 12.7	23	49	39	40	30	20	14
		3.81	1495	14.6	17.7 - 22.2 - 31.5	19.8	13.7 - 17.2 - 24.4	25.0	8.0 - 10.0 - 14.2	30	54	45	46	39	31	25
		4.57	1794	21.0	19.9 - 24.4 - 34.5	28.5	15.4 - 18.9 - 26.7	36.0	9.0 - 11.0 - 15.5	36	59	50	51	46	40	35

NOTE: See notes on page I1-62.

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Excellence in Air Distribution

AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw							
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m		2	3	4	5	6	7
762 x 610	0.465	1.52	669	2.3	6.9 - 11.2 - 21.0	3.2	5.4 - 8.7 - 16.3	4.0	3.1 - 5.0 - 9.5	-	33	21	22	-	-	-
		2.29	1003	5.2	11.2 - 16.8 - 25.8	7.1	8.7 - 13.0 - 20.0	9.0	5.0 - 7.6 - 11.6	15	43	32	33	20	-	-
		3.05	1337	9.3	15.0 - 21.0 - 29.8	12.7	11.6 - 16.3 - 23.1	16.0	6.7 - 9.5 - 13.4	24	50	40	41	31	20	15
		3.81	1672	14.6	18.7 - 23.5 - 33.3	19.8	14.5 - 18.2 - 25.8	25.0	8.4 - 10.6 - 15.0	31	55	46	47	39	31	26
		4.57	2006	21.0	21.0 - 25.8 - 36.4	28.5	16.3 - 20.0 - 28.2	36.0	9.5 - 11.6 - 16.4	36	59	51	52	46	40	35
1067 x 458	0.488	1.52	700	2.3	7.1 - 11.5 - 21.5	3.2	5.5 - 8.9 - 16.7	4.0	3.2 - 5.2 - 9.7	-	34	21	22	-	-	-
		2.29	1049	5.2	11.5 - 17.2 - 26.4	7.1	8.9 - 13.3 - 20.4	9.0	5.2 - 7.7 - 11.9	16	43	32	33	20	-	-
		3.05	1399	9.3	15.3 - 21.5 - 30.4	12.7	11.9 - 16.7 - 23.6	16.0	6.9 - 9.7 - 13.7	24	50	40	41	31	20	15
		3.81	1749	14.6	19.1 - 24.1 - 34.0	19.8	14.8 - 18.6 - 26.4	25.0	8.6 - 10.8 - 15.3	31	55	46	47	39	31	26
		4.57	2099	21.0	21.5 - 26.4 - 37.3	28.5	16.7 - 20.4 - 28.9	36.0	9.7 - 11.9 - 16.8	36	59	51	52	46	40	35
712 x 712	0.506	1.52	730	2.3	7.2 - 11.7 - 22.0	3.2	5.6 - 9.1 - 17.0	4.0	3.2 - 5.3 - 9.9	-	34	21	22	-	-	-
		2.29	1095	5.2	11.7 - 17.6 - 26.9	7.1	9.1 - 13.6 - 20.9	9.0	5.3 - 7.9 - 12.1	16	43	32	33	20	-	-
		3.05	1460	9.3	15.6 - 22.0 - 31.1	12.7	12.1 - 17.0 - 24.1	16.0	7.0 - 9.9 - 14.0	24	50	40	41	31	21	15
		3.81	1825	14.6	19.5 - 24.6 - 34.8	19.8	15.1 - 19.0 - 26.9	25.0	8.8 - 11.1 - 15.6	31	55	46	47	40	32	26
		4.57	2190	21.0	22.0 - 26.9 - 38.1	28.5	17.0 - 20.9 - 29.5	36.0	9.9 - 12.1 - 17.1	36	59	51	52	46	41	36
762 x 712	0.542	1.52	784	2.3	7.5 - 12.1 - 22.8	3.2	5.8 - 9.4 - 17.7	4.0	3.4 - 5.5 - 10.2	-	34	21	23	-	-	-
		2.29	1176	5.2	12.1 - 18.2 - 27.9	7.1	9.4 - 14.1 - 21.6	9.0	5.5 - 8.2 - 12.6	16	44	32	33	21	-	-
		3.05	1567	9.3	16.2 - 22.8 - 32.2	12.7	12.6 - 17.7 - 25.0	16.0	7.3 - 10.2 - 14.5	25	50	40	41	31	21	15
		3.81	1959	14.6	20.2 - 25.5 - 36.0	19.8	15.7 - 19.7 - 27.9	25.0	9.1 - 11.5 - 16.2	31	56	46	47	40	32	27
		4.57	2351	21.0	22.8 - 27.9 - 39.4	28.5	17.7 - 21.6 - 30.6	36.0	10.2 - 12.6 - 17.8	37	60	51	52	47	41	36
915 x 610	0.557	1.52	806	2.3	7.6 - 12.3 - 23.1	3.2	5.9 - 9.5 - 17.9	4.0	3.4 - 5.5 - 10.4	-	34	21	23	-	-	-
		2.23	1176	5.0	12.0 - 18.0 - 27.9	6.8	9.3 - 13.9 - 21.6	8.5	5.4 - 8.1 - 12.6	15	43	32	33	20	-	-
		2.92	1544	8.6	15.7 - 22.6 - 32.0	11.6	12.2 - 17.5 - 24.8	14.7	7.1 - 10.2 - 14.4	23	49	39	40	30	19	13
		3.62	1915	13.2	19.5 - 25.2 - 35.6	17.9	15.1 - 19.5 - 27.6	22.6	8.8 - 11.3 - 16.0	30	54	45	46	38	30	24
		4.32	2283	18.7	22.4 - 27.5 - 38.9	25.4	17.4 - 21.3 - 30.1	32.2	10.1 - 12.4 - 17.5	35	59	50	51	45	38	33
762 x 762	0.581	1.52	841	2.3	7.7 - 12.6 - 23.6	3.2	6.0 - 9.8 - 18.3	4.0	3.5 - 5.7 - 10.6	-	34	22	23	-	-	-
		2.23	1228	5.0	12.2 - 18.4 - 28.5	6.8	9.5 - 14.2 - 22.1	8.5	5.5 - 8.3 - 12.8	16	43	32	33	20	-	-
		2.92	1612	8.6	16.1 - 23.1 - 32.7	11.6	12.5 - 17.9 - 25.3	14.7	7.2 - 10.4 - 14.7	24	50	39	40	30	19	13
		3.62	1999	13.2	19.9 - 25.7 - 36.4	17.9	15.5 - 19.9 - 28.2	22.6	9.0 - 11.6 - 16.4	30	55	45	46	38	30	24
		4.32	2383	18.7	22.9 - 28.1 - 39.7	25.4	17.8 - 21.8 - 30.8	32.2	10.3 - 12.6 - 17.9	35	59	50	51	45	38	33
915 x 712	0.650	1.52	944	2.3	8.2 - 13.3 - 25.0	3.2	6.4 - 10.3 - 19.4	4.0	3.7 - 6.0 - 11.3	-	35	22	23	-	-	-
		2.23	1379	5.0	13.0 - 19.5 - 30.2	6.8	10.1 - 15.1 - 23.4	8.5	5.8 - 8.8 - 13.6	16	44	32	34	20	-	-
		2.92	1810	8.6	17.0 - 24.5 - 34.6	11.6	13.2 - 19.0 - 26.8	14.7	7.7 - 11.0 - 15.6	24	50	40	41	31	20	14
		3.62	2245	13.2	21.1 - 27.3 - 38.5	17.9	16.4 - 21.1 - 29.9	22.6	9.5 - 12.3 - 17.3	31	55	46	47	39	30	25
		4.32	2676	18.7	24.3 - 29.8 - 42.1	25.4	18.8 - 23.1 - 32.6	32.2	10.9 - 13.4 - 18.9	36	59	51	51	45	39	34
1169 x 559	0.653	1.52	945	2.3	8.2 - 13.3 - 25.0	3.2	6.4 - 10.3 - 19.4	4.0	3.7 - 6.0 - 11.3	-	35	22	23	-	-	-
		2.23	1380	5.0	13.0 - 19.5 - 30.2	6.8	10.1 - 15.1 - 23.4	8.5	5.8 - 8.8 - 13.6	16	44	32	34	20	-	-
		2.92	1812	8.6	17.0 - 24.5 - 34.6	11.6	13.2 - 19.0 - 26.8	14.7	7.7 - 11.0 - 15.6	24	50	40	41	31	20	14
		3.62	2247	13.2	21.1 - 27.3 - 38.6	17.9	16.4 - 21.1 - 29.9	22.6	9.5 - 12.3 - 17.4	31	55	46	47	39	30	25
		4.32	2679	18.7	24.3 - 29.8 - 42.1	25.4	18.8 - 23.1 - 32.6	32.2	10.9 - 13.4 - 18.9	36	59	51	51	45	39	34
813 x 813	0.661	1.52	960	2.3	8.3 - 13.4 - 25.2	3.2	6.4 - 10.4 - 19.5	4.0	3.7 - 6.1 - 11.3	-	35	22	23	-	-	-
		2.23	1402	5.0	13.1 - 19.6 - 30.5	6.8	10.1 - 15.2 - 23.6	8.5	5.9 - 8.8 - 13.7	16	44	33	34	21	-	-
		2.92	1840	8.6	17.2 - 24.7 - 34.9	11.6	13.3 - 19.1 - 27.0	14.7	7.7 - 11.1 - 15.7	24	50	40	41	31	20	14
		3.62	2282	13.2	21.3 - 27.5 - 38.9	17.9	16.5 - 21.3 - 30.1	22.6	9.6 - 12.4 - 17.5	31	55	46	47	39	30	25
		4.32	2721	18.7	24.5 - 30.0 - 42.4	25.4	19.0 - 23.3 - 32.9	32.2	11.0 - 13.5 - 19.1	36	59	51	52	46	39	34
915 x 762	0.697	1.52	1014	2.3	8.5 - 13.8 - 25.9	3.2	6.6 - 10.7 - 20.1	4.0	3.8 - 6.2 - 11.7	-	35	22	24	-	-	-
		2.23	1480	5.0	13.4 - 20.2 - 31.3	6.8	10.4 - 15.6 - 24.3	8.5	6.1 - 9.1 - 14.1	16	44	33	34	21	-	-
		2.92	1943	8.6	17.7 - 25.4 - 35.9	11.6	13.7 - 19.7 - 27.8	14.7	7.9 - 11.4 - 16.1	24	50	40	41	31	20	14
		3.62	2409	13.2	21.9 - 28.2 - 39.9	17.9	17.0 - 21.9 - 30.9	22.6	9.9 - 12.7 - 18.0	31	55	46	47	39	31	25
		4.32	2872	18.7	25.2 - 30.8 - 43.6	25.4	19.5 - 23.9 - 33.8	32.2	11.3 - 13.9 - 19.6	36	60	51	52	46	39	34
915 x 813	0.743	1.52	1083	2.3	8.8 - 14.3 - 26.8	3.2	6.8 - 11.1 - 20.7	4.0	4.0 - 6.4 - 12.0	-	36	23	24	-	-	-
		2.23	1581	5.0	13.9 - 20.8 - 32.4	6.8	10.8 - 16.2 - 25.1	8.5	6.3 - 9.4 - 14.6	17	44	33	34	21	-	-
		2.92	2076	8.6	18.2 - 26.2 - 37.1	11.6	14.1 - 20.3 - 28.7	14.7	8.2 - 11.8 - 16.7	25	51	41	42	31	20	15
		3.62	2574	13.2	22.6 - 29.2 - 41.3	17.9	17.5 - 22.6 - 32.0	22.6	10.2 - 13.1 - 18.6	31	56	46	47	39	31	25
		4.32	3069	18.7	26.0 - 31.9 - 45.1	25.4	20.2 - 24.7 - 34.9	32.2	11.7 - 14.3 - 20.3	36	60	51	52	46	40	34

NOTE: See notes on page I1-62.

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AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw							
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m		2	3	4	5	6	7
864 x 864	0.746	1.52	1087	2.3	8.8 - 14.3 - 26.8	3.2	6.8 - 11.1 - 20.8	4.0	4.0 - 6.4 - 12.1	-	36	23	24	-	-	-
		2.23	1587	5.0	13.9 - 20.9 - 32.4	6.8	10.8 - 16.2 - 25.1	8.5	6.3 - 9.4 - 14.6	17	44	33	34	21	-	-
		2.92	2083	8.6	18.3 - 26.3 - 37.1	11.6	14.2 - 20.3 - 28.8	14.7	8.2 - 11.8 - 16.7	25	51	41	42	31	20	15
		3.62	2583	13.2	22.7 - 29.2 - 41.4	17.9	17.6 - 22.7 - 32.0	22.6	10.2 - 13.2 - 18.6	31	56	46	47	39	31	25
		4.32	3080	18.7	26.1 - 31.9 - 45.1	25.4	20.2 - 24.7 - 35.0	32.2	11.7 - 14.4 - 20.3	36	60	51	52	46	40	34
915 x 864	0.790	1.52	1152	2.3	9.1 - 14.7 - 27.6	3.2	7.0 - 11.4 - 21.4	4.0	4.1 - 6.6 - 12.4	-	36	23	24	-	-	-
		2.23	1683	5.0	14.3 - 21.5 - 33.4	6.8	11.1 - 16.7 - 25.9	8.5	6.5 - 9.7 - 15.0	17	45	33	34	21	-	-
		2.92	2209	8.6	18.8 - 27.0 - 38.2	11.6	14.6 - 21.0 - 29.6	14.7	8.5 - 12.2 - 17.2	25	51	41	42	32	21	15
		3.62	2739	13.2	23.3 - 30.1 - 42.6	17.9	18.1 - 23.3 - 33.0	22.6	10.5 - 13.5 - 19.2	31	56	47	48	40	31	26
		4.32	3265	18.7	26.8 - 32.9 - 46.5	25.4	20.8 - 25.5 - 36.0	32.2	12.1 - 14.8 - 20.9	37	60	52	52	46	40	35
1067 x 762	0.813	1.52	1186	2.3	9.2 - 14.9 - 28.0	3.2	7.1 - 11.6 - 21.7	4.0	4.1 - 6.7 - 12.6	-	36	23	24	-	-	-
		2.23	1732	5.0	14.5 - 21.8 - 33.9	6.8	11.3 - 16.9 - 26.2	8.5	6.5 - 9.8 - 15.2	17	45	33	35	21	-	-
		2.92	2274	8.6	19.1 - 27.4 - 38.8	11.6	14.8 - 21.3 - 30.1	14.7	8.6 - 12.3 - 17.5	25	51	41	42	32	21	15
		3.62	2819	13.2	23.7 - 30.5 - 43.2	17.9	18.4 - 23.7 - 33.5	22.6	10.7 - 13.7 - 19.4	31	56	47	48	40	31	26
		4.32	3361	18.7	27.2 - 33.4 - 47.2	25.4	21.1 - 25.8 - 36.6	32.2	12.3 - 15.0 - 21.2	37	60	52	52	46	40	35
915 x 915	0.836	1.52	1222	2.3	9.3 - 15.2 - 28.4	3.2	7.2 - 11.8 - 22.0	4.0	4.2 - 6.8 - 12.8	-	36	23	24	-	-	-
		2.23	1784	5.0	14.8 - 22.1 - 34.4	6.8	11.4 - 17.2 - 26.6	8.5	6.6 - 10.0 - 15.5	17	45	34	35	22	-	-
		2.92	2342	8.6	19.4 - 27.8 - 39.4	11.6	15.0 - 21.6 - 30.5	14.7	8.7 - 12.5 - 17.7	25	51	41	42	32	21	15
		3.62	2904	13.2	24.0 - 31.0 - 43.8	17.9	18.6 - 24.0 - 34.0	22.6	10.8 - 13.9 - 19.7	32	56	47	48	40	31	26
		4.32	3462	18.7	27.6 - 33.8 - 47.9	25.4	21.4 - 26.2 - 37.1	32.2	12.4 - 15.2 - 21.5	37	60	52	53	47	40	35
1220 x 762	0.929	1.52	1359	2.3	9.8 - 16.0 - 30.0	3.2	7.6 - 12.4 - 23.2	4.0	4.4 - 7.2 - 13.5	-	37	24	25	-	-	-
		2.23	1984	5.0	15.6 - 23.4 - 36.2	6.8	12.1 - 18.1 - 28.1	8.5	7.0 - 10.5 - 16.3	17	45	34	35	22	-	-
		2.92	2605	8.6	20.4 - 29.4 - 41.5	11.6	15.8 - 22.8 - 32.2	14.7	9.2 - 13.2 - 18.7	26	52	42	42	32	21	16
		3.62	3230	13.2	25.3 - 32.7 - 46.2	17.9	19.6 - 25.3 - 35.8	22.6	11.4 - 14.7 - 20.8	32	57	47	48	40	32	26
		4.32	3850	18.7	29.1 - 35.7 - 50.5	25.4	22.6 - 27.7 - 39.1	32.2	13.1 - 16.1 - 22.7	37	61	52	53	47	41	35
966 x 966	0.932	1.52	1364	2.3	9.9 - 16.0 - 30.0	3.2	7.6 - 12.4 - 23.3	4.0	4.4 - 7.2 - 13.5	-	37	24	25	-	-	-
		2.23	1992	5.0	15.6 - 23.4 - 36.3	6.8	12.1 - 18.1 - 28.1	8.5	7.0 - 10.5 - 16.3	18	45	34	35	22	-	-
		2.92	2615	8.6	20.5 - 29.4 - 41.6	11.6	15.9 - 22.8 - 32.2	14.7	9.2 - 13.2 - 18.7	26	52	42	43	32	21	16
		3.62	3242	13.2	25.4 - 32.8 - 46.3	17.9	19.7 - 25.4 - 35.9	22.6	11.4 - 14.7 - 20.8	32	57	47	48	40	32	26
		4.32	3865	18.7	29.2 - 35.8 - 50.6	25.4	22.6 - 27.7 - 39.2	32.2	13.1 - 16.1 - 22.8	37	61	52	53	47	41	35
1067 x 915	0.975	1.52	1430	2.3	10.1 - 16.4 - 30.8	3.2	7.8 - 12.7 - 23.8	4.0	4.5 - 7.4 - 13.8	-	37	24	25	-	-	-
		2.23	2087	5.0	16.0 - 24.0 - 37.2	6.8	12.4 - 18.6 - 28.8	8.5	7.2 - 10.8 - 16.7	18	46	34	35	22	-	-
		2.92	2740	8.6	21.0 - 30.1 - 42.6	11.6	16.2 - 23.3 - 33.0	14.7	9.4 - 13.6 - 19.2	26	52	42	43	32	21	16
		3.62	3398	13.2	26.0 - 33.5 - 47.4	17.9	20.1 - 26.0 - 36.8	22.6	11.7 - 15.1 - 21.3	32	57	48	49	41	32	27
		4.32	4051	18.7	29.9 - 36.6 - 51.8	25.4	23.2 - 28.4 - 40.1	32.2	13.5 - 16.5 - 23.3	38	61	52	53	47	41	36
1169 x 864	1.009	1.52	1479	2.3	10.3 - 16.7 - 31.3	3.2	8.0 - 12.9 - 24.3	4.0	4.6 - 7.5 - 14.1	-	37	24	25	-	-	-
		2.23	2160	5.0	16.2 - 24.4 - 37.8	6.8	12.6 - 18.9 - 29.3	8.5	7.3 - 11.0 - 17.0	18	46	34	36	22	-	-
		2.92	2835	8.6	21.3 - 30.6 - 43.3	11.6	16.5 - 23.7 - 33.6	14.7	9.6 - 13.8 - 19.5	26	52	42	43	33	22	16
		3.62	3516	13.2	26.4 - 34.1 - 48.2	17.9	20.5 - 26.4 - 37.4	22.6	11.9 - 15.3 - 21.7	32	57	48	49	41	32	27
		4.32	4191	18.7	30.4 - 37.2 - 52.7	25.4	23.6 - 28.9 - 40.8	32.2	13.7 - 16.8 - 23.7	38	61	53	53	47	41	36
1067 x 966	1.030	1.52	1511	2.3	10.4 - 16.9 - 31.6	3.2	8.0 - 13.1 - 24.5	4.0	4.7 - 7.6 - 14.2	-	37	24	25	-	-	-
		2.23	2206	5.0	16.4 - 24.6 - 38.2	6.8	12.7 - 19.1 - 29.6	8.5	7.4 - 11.1 - 17.2	18	46	34	36	22	-	-
		2.92	2896	8.6	21.6 - 31.0 - 43.8	11.6	16.7 - 24.0 - 33.9	14.7	9.7 - 13.9 - 19.7	26	52	42	43	33	22	16
		3.62	3591	13.2	26.7 - 34.5 - 48.7	17.9	20.7 - 26.7 - 37.8	22.6	12.0 - 15.5 - 21.9	32	57	48	49	41	32	27
		4.32	4281	18.7	30.7 - 37.6 - 53.2	25.4	23.8 - 29.2 - 41.3	32.2	13.8 - 16.9 - 24.0	38	61	53	54	47	41	36
1016 x 1016	1.032	1.52	1515	2.3	10.4 - 16.9 - 31.7	3.2	8.1 - 13.1 - 24.5	4.0	4.7 - 7.6 - 14.2	-	37	24	25	-	-	-
		2.23	2211	5.0	16.4 - 24.7 - 38.3	6.8	12.7 - 19.1 - 29.7	8.5	7.4 - 11.1 - 17.2	18	46	34	36	22	-	-
		2.92	2903	8.6	21.6 - 31.0 - 43.8	11.6	16.7 - 24.0 - 34.0	14.7	9.7 - 13.9 - 19.7	26	52	42	43	33	22	16
		3.62	3600	13.2	26.8 - 34.5 - 48.8	17.9	20.7 - 26.7 - 37.8	22.6	12.0 - 15.5 - 22.0	33	57	48	49	41	32	27
		4.32	4292	18.7	30.8 - 37.7 - 53.3	25.4	23.8 - 29.2 - 41.3	32.2	13.8 - 17.0 - 24.0	38	61	53	54	47	41	36
1220 x 915	1.115	1.52	1638	2.3	10.8 - 17.6 - 32.9	3.2	8.4 - 13.6 - 25.5	4.0	4.9 - 7.9 - 14.8	-	37	24	26	-	-	-
		2.23	2391	5.0	17.1 - 25.6 - 39.8	6.8	13.2 - 19.9 - 30.8	8.5	7.7 - 11.5 - 17.9	18	46	35	36	23	-	-
		2.92	3139	8.6	22.4 - 32.2 - 45.6	11.6	17.4 - 25.0 - 35.3	14.7	10.1 - 14.5 - 20.5	26	53	42	43	33	22	16
		3.62	3892	13.2	27.8 - 35.9 - 50.8	17.9	21.6 - 27.8 - 39.3	22.6	12.5 - 16.2 - 22.8	33	58	48	49	41	33	27
		4.32	4640	18.7	32.0 - 39.2 - 55.4	25.4	24.8 - 30.4 - 42.9	32.2	14.4 - 17.6 - 24.9	38	62	53	54	48	41	36

NOTE: See notes on page I1-62.

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AF80, AF580, AF880, AF5880 Performance Data: Horizontal Throw

METRIC DATA: AF80, AF580, AF880, AF5880 (NO DAMPER)

Nom Duct	Duct Area	Neck Vel	Air Flow	0°		22.5°		45°		NC	Octave Band, dB					
				Pt	Throw	Pt	Throw	Pt	Throw							
mm	m²	m/s	L/s	Pa	m	Pa	m	Pa	m		2	3	4	5	6	7
1067 x 1067	1.138	1.52	1673	2.3	10.9 - 17.7 - 33.3	3.2	8.5 - 13.8 - 25.8	4.0	4.9 - 8.0 - 15.0	-	37	25	26	-	-	-
		2.23	2443	5.0	17.3 - 25.9 - 40.2	6.8	13.4 - 20.1 - 31.2	8.5	7.8 - 11.7 - 18.1	18	46	35	36	23	-	-
		2.92	3207	8.6	22.7 - 32.6 - 46.1	11.6	17.6 - 25.2 - 35.7	14.7	10.2 - 14.7 - 20.7	26	53	42	43	33	22	16
		3.62	3976	13.2	28.1 - 36.3 - 51.3	17.9	21.8 - 28.1 - 39.8	22.6	12.7 - 16.3 - 23.1	33	58	48	49	41	33	27
		4.32	4740	18.7	32.3 - 39.6 - 56.0	25.4	25.1 - 30.7 - 43.4	32.2	14.6 - 17.8 - 25.2	38	62	53	54	48	41	36
1118 x 1118	1.249	1.52	1839	2.3	11.5 - 18.6 - 34.9	3.2	8.9 - 14.4 - 27.0	4.0	5.2 - 8.4 - 15.7	-	38	25	26	-	-	-
		2.10	2532	4.4	17.1 - 25.6 - 40.9	6.0	13.2 - 19.9 - 31.7	7.6	7.7 - 11.5 - 18.4	17	45	34	35	21	-	-
		2.67	3219	7.1	21.7 - 32.6 - 46.2	9.7	16.8 - 25.2 - 35.8	12.3	9.8 - 14.7 - 20.8	24	51	40	41	30	18	12
		3.24	3911	10.5	26.4 - 36.0 - 50.9	14.3	20.4 - 27.9 - 39.4	18.1	11.9 - 16.2 - 22.9	30	55	46	47	38	28	22
		4.06	4904	16.6	32.9 - 40.3 - 57.0	22.5	25.5 - 31.2 - 44.2	28.5	14.8 - 18.1 - 25.6	37	61	52	53	46	39	34
1220 x 1067	1.301	1.52	1916	2.3	11.7 - 19.0 - 35.6	3.2	9.1 - 14.7 - 27.6	4.0	5.3 - 8.5 - 16.0	-	38	25	26	-	-	-
		2.10	2638	4.4	17.4 - 26.2 - 41.8	6.0	13.5 - 20.3 - 32.4	7.6	7.8 - 11.8 - 18.8	17	45	34	35	21	-	-
		2.67	3354	7.1	22.2 - 33.2 - 47.1	9.7	17.2 - 25.8 - 36.5	12.3	10.0 - 15.0 - 21.2	24	51	40	42	30	18	12
		3.24	4075	10.5	26.9 - 36.7 - 51.9	14.3	20.9 - 28.5 - 40.3	18.1	12.1 - 16.5 - 23.4	30	56	46	47	38	28	22
		4.06	5110	16.6	33.6 - 41.1 - 58.2	22.5	26.0 - 31.9 - 45.1	28.5	15.1 - 18.5 - 26.2	37	61	52	53	46	39	34
1169 x 1169	1.365	1.52	2013	2.3	12.0 - 19.5 - 36.5	3.2	9.3 - 15.1 - 28.3	4.0	5.4 - 8.8 - 16.4	-	38	25	27	-	-	-
		2.10	2772	4.4	17.9 - 26.8 - 42.8	6.0	13.8 - 20.8 - 33.2	7.6	8.0 - 12.1 - 19.3	17	46	34	35	22	-	-
		2.67	3523	7.1	22.7 - 34.1 - 48.3	9.7	17.6 - 26.4 - 37.4	12.3	10.2 - 15.3 - 21.7	25	51	41	42	31	18	13
		3.24	4281	10.5	27.6 - 37.6 - 53.2	14.3	21.4 - 29.2 - 41.3	18.1	12.4 - 16.9 - 24.0	30	56	46	47	38	28	23
		4.06	5369	16.6	34.4 - 42.2 - 59.6	22.5	26.7 - 32.7 - 46.2	28.5	15.5 - 19.0 - 26.8	37	61	52	53	46	39	34
1220 x 1169	1.425	1.52	2102	2.3	12.2 - 19.9 - 37.3	3.2	9.5 - 15.4 - 28.9	4.0	5.5 - 9.0 - 16.8	-	38	26	27	-	-	-
		2.10	2894	4.4	18.3 - 27.4 - 43.8	6.0	14.2 - 21.2 - 33.9	7.6	8.2 - 12.3 - 19.7	18	46	34	35	22	-	-
		2.67	3679	7.1	23.2 - 34.8 - 49.3	9.7	18.0 - 27.0 - 38.2	12.3	10.4 - 15.7 - 22.2	25	51	41	42	31	19	13
		3.24	4471	10.5	28.2 - 38.5 - 54.4	14.3	21.9 - 29.8 - 42.2	18.1	12.7 - 17.3 - 24.5	31	56	46	47	38	28	23
		4.06	5606	16.6	35.2 - 43.1 - 60.9	22.5	27.3 - 33.4 - 47.2	28.5	15.8 - 19.4 - 27.4	37	61	52	53	47	39	34
1220 x 1220	1.486	1.52	2195	2.3	12.5 - 20.3 - 38.1	3.2	9.7 - 15.8 - 29.5	4.0	5.6 - 9.1 - 17.2	-	39	26	27	-	-	-
		2.10	3022	4.4	18.7 - 28.0 - 44.7	6.0	14.5 - 21.7 - 34.7	7.6	8.4 - 12.6 - 20.1	18	46	34	36	22	-	-
		2.67	3841	7.1	23.7 - 35.6 - 50.4	9.7	18.4 - 27.6 - 39.1	12.3	10.7 - 16.0 - 22.7	25	52	41	42	31	19	13
		3.24	4668	10.5	28.8 - 39.3 - 55.6	14.3	22.3 - 30.5 - 43.1	18.1	13.0 - 17.7 - 25.0	31	56	46	47	38	28	23
		4.06	5854	16.6	35.9 - 44.0 - 62.2	22.5	27.9 - 34.1 - 48.2	28.5	16.2 - 19.8 - 28.0	37	61	53	53	47	40	34

NOTES: Throw values are given for terminal velocities of 0.75, 0.50, and 0.25 m/s. Throw values are given for isothermal conditions. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10^{-12} Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection software for performance data not shown, including octave band data.

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