

Comfoair Q Sound Performance Data Tables

Comfoair Q 350

	qv m³/h	pst Pa	P W	cos φ -	SFP W//s	Lw, supply							
						-16.1	-8.6	-3.2	0	1.2	1	-1.1	
						dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
1	150	25	16	0.41	0.37	46	54	50	45	38	32	22	18
2	200	50	31	0.45	0.57	51	57	55	49	43	38	29	23
3	245	50	43	0.47	0.64	54	59	58	52	45	42	34	26
4	250	100	59	0.49	0.85	56	60	60	54	48	45	37	28
5	300	100	77	0.50	0.92	59	62	63	57	51	49	42	31
6	350	100	98	0.51	1.00	63	64	67	60	54	53	46	34
7	250	150	74	0.50	1.06	59	62	63	57	50	48	41	30
8	250	200	88	0.51	1.27	61	63	65	59	53	51	44	33
9	300	200	108	0.52	1.30	63	64	67	61	55	54	47	35
10	350	200	131	0.53	1.35	66	66	70	63	58	57	51	38

Lw, extract								Lw, casing							
dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz	dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
34	45	39	29	23	20	15	19	33	39	37	31	25	21	16	18
38	47	43	33	26	23	17	19	37	42	41	35	29	26	21	19
40	49	46	36	28	24	19	19	40	44	43	38	31	29	23	20
42	51	48	38	30	26	20	19	42	46	46	40	34	32	26	20
45	52	51	40	32	28	21	19	45	48	48	42	36	35	28	21
48	54	54	43	34	29	23	19	47	50	51	45	39	38	32	21
44	52	51	40	32	27	21	19	44	48	48	42	36	34	28	21
46	53	53	41	33	28	22	19	46	49	50	44	38	37	30	21
48	55	55	43	35	30	23	19	48	51	52	46	39	39	32	22
50	56	57	46	37	31	24	19	50	53	54	48	42	42	35	22

Lw in dB(A) reference 10⁻¹²W

Casing radiation measured according to ISO 3741:2010

Supply noise and extract noise measured according ISO 5135:1997 (values include end duct correction)

SFP in W//s calculated using data measured according EN13141-7:2010

cos phi with pre heater switched off (if present)

Comfoair Q 450

	qv m³/h	pst Pa	P W	cos φ -	SFP W/l/s	Lw, supply							
						-16.1	-8.6	-3.2	0	1.2	1	-1.1	
						dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
1	200	25	19	0.40	0.33	51	54	56	48	42	40	31	15
2	250	50	37	0.46	0.54	54	57	59	52	46	44	36	22
3	300	50	53	0.48	0.64	57	59	61	54	48	46	39	28
4	315	50	59	0.49	0.67	57	60	62	55	49	47	40	30
5	350	100	89	0.52	0.92	61	62	65	59	52	51	45	36
6	400	100	113	0.54	1.01	63	64	67	61	54	53	48	41
7	450	100	140	0.55	1.12	66	66	69	64	56	56	52	47
8	350	150	106	0.53	1.09	62	63	66	60	53	52	46	39
9	350	200	122	0.54	1.26	63	64	67	61	54	53	48	41
10	400	200	148	0.55	1.33	65	66	69	64	56	56	51	46
11	450	200	177	0.57	1.42	68	67	71	66	58	58	54	51

Lw, extract								Lw, casing							
dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz	dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
40	47	48	33	26	21	15	17	39	42	45	34	30	28	20	16
43	50	50	37	29	24	19	19	42	45	47	38	33	32	25	19
45	52	52	40	31	27	21	19	44	47	49	41	36	35	28	21
46	53	52	41	32	28	22	20	45	48	49	42	36	36	29	22
48	55	54	44	35	31	25	21	48	51	52	45	39	39	33	25
50	57	56	47	37	33	28	21	50	53	53	48	41	41	36	28
52	59	58	50	39	36	30	22	53	55	55	51	44	44	40	30
49	56	55	45	36	32	26	21	49	52	52	47	40	40	35	26
50	57	56	47	37	33	27	21	50	53	53	48	41	41	36	27
52	59	58	49	39	35	30	22	52	55	55	50	43	44	39	30
54	61	59	52	41	38	32	23	54	57	56	53	46	46	43	32

Lw in dB(A) reference 10⁻¹²W

Casing radiation measured according to ISO 3741:2010

Supply noise and extract noise measured according ISO 5135:1997 (values include end duct correction)

SFP in W/l/s calculated using data measured according EN13141-7:2010

cos phi with pre heater switched off (if present)

Comfoair Q 600

	qv m³/h	pst Pa	P W	cos φ -	SFP W//s	Lw, supply							
						-16.1	-8.6	-3.2	0	1.2	1	-1.1	
						dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
1	250	25	28	0.48	0.40	54	58	58	51	46	43	36	25
2	300	25	44	0.51	0.53	56	59	61	54	48	46	39	29
3	350	50	72	0.54	0.74	59	62	63	57	51	49	44	34
4	400	50	97	0.55	0.87	62	63	66	60	54	52	47	39
5	420	50	107	0.56	0.92	63	64	67	61	55	53	49	40
6	450	100	143	0.57	1.15	65	66	69	64	57	56	52	44
7	500	100	176	0.59	1.27	68	67	71	67	60	59	56	49
8	600	100	254	0.61	1.53	73	71	76	72	64	64	63	57
9	450	150	162	0.58	1.29	66	66	70	65	58	57	53	46
10	450	200	180	0.59	1.44	67	67	70	66	59	58	55	47
11	500	200	215	0.60	1.55	70	68	72	68	61	60	58	51
12	600	200	296	0.61	1.77	75	72	77	74	66	66	65	59

Lw, extract								Lw, casing							
dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz	dB(A)	125 Hz	250 Hz	500 Hz	1kHz	2kHz	4kHz	8kHz
43	51	49	39	32	27	21	19	43	47	48	41	36	31	25	20
45	53	51	41	34	30	24	21	45	48	49	43	38	34	28	23
48	55	53	45	36	32	27	22	48	50	51	46	40	37	32	26
50	57	55	47	38	34	29	23	50	51	53	49	42	40	35	29
51	58	56	48	39	35	30	23	51	52	54	50	43	41	37	30
53	60	58	51	41	37	33	24	53	53	55	52	45	43	40	33
55	62	60	54	43	39	35	26	55	54	57	54	47	46	43	36
59	65	63	59	47	43	40	28	60	57	60	59	51	51	49	41
53	60	58	52	41	38	34	25	54	53	56	53	46	44	41	34
54	61	59	53	42	38	34	25	55	54	56	53	46	45	42	35
56	63	61	55	44	40	37	26	57	55	58	56	48	47	45	37
60	66	64	60	48	44	41	28	61	57	61	60	52	52	51	43

Lw in dB(A) reference $10^{-12}W$

Casing radiation measured according to ISO 3741:2010

Supply noise and extract noise measured according ISO 5135:1997 (values include end duct correction)

SFP in W//s calculated using data measured according EN13141-7:2010

cos phi with pre heater switched off (if present)