

INDEPENDENT LABORATORY TEST

Air purifiers

High capacity
(CADR >350)



Blueair
HealthProtect 7770i



Electrolux
PA91-604GY



LG
AS95GDWV0



Philips
AC6608/10



Samsung
AX90R7080WD



Coway
Airmega AP-1515G



WINIX
ZERO PRO



Philips
AC4236



MI
Air Purifier Pro H



Sharp
FP-J80EUW



IDEAL
AP60 PRO



Stadler Form
Roger



IQ Air
Health Pro 250

Consumer contact	<i>blueair.com</i>	<i>electrolux.com</i>	<i>lg.com</i>	<i>philips.pl</i>	<i>samsung.com</i>	<i>coway.com</i>	<i>winixeuropa.eu</i>	<i>philips.com</i>	<i>mi.com</i>	<i>sharphoneappliances.com</i>	<i>ideal.de</i>	<i>stadlerform.com</i>	<i>iqair.com</i>
Approximate price (£)	900	490	1 030	790	670	550	350	670	270	820	1 000	400	1 070

PRODUCT FACTS														
Declared capacity (CADR)	[m³/h]	705	620	400	657	701	561	470	500	600	480	600	521	440
Size (height x width x depth)	[mm]	855 x 340 x 340	725 x 315 x 315	1073 x 373 x 373	530 x 365 x 350	1054 x 360 x 284	532 x 345 x 345	600 x 415 x 245	705 x 306 x 306	738 x 310 x 310	728 x 416 x 291	668 x 468 x 275	516 x 420 x 200	710 x 380 x 410
Cleaning technologies used		Particle filter Carbon filter	Particle filter Carbon filter Ioniser	Particle filter Carbon filter Ioniser	Particle filter Carbon filter	Particle filter Carbon filter	Particle filter Carbon filter	Particle filter Carbon filter Ioniser	Particle filter Carbon filter	Particle filter Carbon filter	Particle filter Carbon filter Ioniser	Particle filter Carbon filter	Particle filter Carbon filter	Particle filter Carbon filter
Approximate price filter replacement (£)		130	105	No info	120	47	130	75	85	60	150	185	95	240
Can be controlled via app/ via remote control		Yes/No	Yes/(No	Yes/Yes	Yes/No	Yes/No	Yes/No	No/No	Yes/No	Yes/No	No/No	Yes/Yes	No/No	No/Yes

SELECTED MEASUREMENTS FROM THE TEST														
Measurements at 37 dB(A)														
Air cleaning capacity (CADR) 0,1-0,5 µm	[m³/h]	227	201	105	164	115	120	144	74	111	68	95	96	76
Air cleaning capacity (CADR) 2,5-5,0 µm	[m³/h]	266	214	107	172	137	149	156	86	129	86	135	112	96
Sound level	[dB, L _{WA}]	38,1	33,5	30,1	35,2	33,6	34,9	31,6	28,2	36,1	28,1	28,9	41,9	35,9
Energy consumption	[W]	8,3	5,6	9,2	13,3	7,7	7,3	7,5	4,0	3,8	3,9	5,3	5,3	20,1
Estimated room size	[m²]	51	43	22	35	26	28	31	17	25	16	24	22	18
Measurements at max power														
Air cleaning capacity (CADR) 0,1-0,5 µm	[m³/h]	766	598	764	647	666	475	464	581	417	483	488	402	423
Air cleaning capacity (CADR) 2,5-5,0 µm	[m³/h]	836	631	783	680	702	550	534	607	485	511	676	529	457
Sound level	[dB, L _{WA}]	67,0	62,5	63,9	64,6	61,9	61,4	67,4	66,9	60,1	60,6	70,3	74,2	68,4
Energy consumption	[W]	74,2	40,5	58,5	78,0	70,9	47,4	81,6	57,4	33,6	48,9	87,0	114,0	148,0
Estimated room size	[m²]	167	128	161	138	143	107	104	124	94	104	121	97	92

GRADED RESULTS (WEIGHTING IN TOTAL GRADE IN BRACKETS)														
Performance at 37 dB	(45%)	9,1	8,8	7,2	7,8	7,3	7,3	7,9	7,0	7,1	6,9	7,5	6,3	6,0
Performance at max power	(45%)	9,1	8,4	9,3	8,3	8,8	7,7	6,8	7,7	7,5	7,7	7,1	5,7	6,1
User friendliness	(10%)	9,0	8,1	7,6	9,0	7,7	8,5	9,0	9,1	9,0	8,2	7,6	7,7	7,2
TOTAL GRADE 1-10, WHERE 10 IS BEST		9,1	8,6	8,2	8,2	8,0	7,6	7,5	7,5	7,4	7,4	7,3	6,2	6,2

Comment	Best in test	Very good air cleaning capacity and low sound level. Easy to operate.	Good air cleaning capacity and low sound level.	Good air cleaning capacity. Easy to operate. High energy consumption even on low power settings.	Good air cleaning capacity on max power. Relatively low sound level.	Easy to operate and program.	Good air cleaning capacity below 37 dB. Very easy to operate.	Limited number of power settings. Poorer capacity below 37 dB. Easy to operate.	Air cleaning capacity considerably lower than stated. Easy to operate.	Limited number of power settings. Poorer air cleaning capacity, particularly below 37 dB.	Limited number of power settings. Poorer capacity below 37 dB. Very high sound level on max power.	Poor air cleaning capacity and high sound level on lowest power setting – “night mode”. Easy to operate.	High energy consumption. Poor air cleaning capacity and high sound level on max power. Difficult to replace filter.
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