

## **2020 Directory of Certified Portable Electric Room Air Cleaners**

Edition No. 4 - October



Independently Tested. Consumer Trusted.

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# 2020 Directory of Certified Portable Electric Room Air Cleaners

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We're AHAM, the Association of Home Appliance Manufacturers, an organization that verifies the testing results of home appliances such as room air conditioners, dehumidifiers – and, of course, room air cleaners.

Since 1967, we've used outside labs to test products, and today you'll find AHAM certified ratings on a variety of appliances. This makes comparing products easier for you.

All of the manufacturers listed in this directory voluntarily participate in the AHAM certification program for room air cleaners. This standardized measurement system – known as the Clean Air Delivery Rate, or CADR – determines how well an air cleaner reduces pollutants such as tobacco smoke, dust and pollen. From air cleaner to air cleaner, compare the CADR numbers listed next to each model number. First, look at suggested room size. Then refer to the tobacco smoke, dust and pollen CADR numbers. The higher the numbers, the faster the unit filters the pollutants out of the air. If from one unit to the other the ratings are the same, their air filtering performance is similar.

### Companies Licensed to Participate in the AHAM Portable Electric Room Air Cleaners Certification Program:

3M Company

Access Business Group LLC.

Airgle Corporation

Aroma International LTD.

Blueair, Inc.

Bosch Thermotechnology (Beijing) Co., LTD.

cado Co., LTD.

Canadian Tire Corporation

Clair Inc.

**CLK Corporation** 

Ecovacs Robotics Co., LTD.

ELFI Elektrofilter AB / Tes Scandianvia

Fellowes, Inc.

GD Midea Air-Conditioning Equipment Co., LTD.

Gree Electric Appliances, Inc.

Green Breeze LTD.

Group SEB, USA

Guardian Technologies, LLC.

Hitachi Appliances Inc.

Infinitus (China) Company LTD. / LuftMed Gmbh

Kaz, Inc.

King Clean Electric Co. LTD.

Lasko Metal Products, LLC.

LG Electronics Inc.

MayAir International

Oransi

Philips (China) Investment Company, LTD.

Rexair LLC.

Samsung Electronics Co., LTD.

**Sharp Electronics Corporation** 

Thinkware Inc.

Vorewerk Household Appliances Manufacturing (Shanghai) Co., LTD.

West Ryder Technologies

Winix, Inc.

Zojirushi Corporation

#### The AHAM Certification Program for Portable Electric Room Air Cleaners

The Portable Electric Room Air Cleaner Certification Program is sponsored by the Association of Home Appliance Manufacturers (AHAM). The Program provides assurance to the public, through presence of the AHAM Certification Seal, that manufacturers' claimed ratings of Clean Air Delivery Rate (CADR) have been independently verified in accordance with ANSI/AHAM Standard AC-1, "Method for Measuring Performance of Portable Household Electric Room Air Cleaners".

Under the terms of the Certification Program, manufacturers certify CADR of a portable electric room air cleaner. An independent laboratory verifies the performance of random samples taken from factory, warehouse and dealer showrooms.

Participation in the Certification Program is voluntary and is open to all manufacturers and firms who market private brand models. As program sponsor and verifying authority, AHAM retains a laboratory (Intertek) to administer testing of sample units and to verify manufacturers' claimed ratings.

#### **Program Scope**

ANSI/AHAM Standard AC-1 applies to portable electric room air cleaners that remove particulate matter from the air and that have CADR ratings within the ranges noted below:

Tobacco Smoke 10 to 450 CADR
Dust 10 to 400 CADR
Pollen 25 to 450 CADR

#### **Room Size Calculation**

Room size is calculated using the following formula:
Room Square Feet = Smoke CADR value x 1.55
Room Square Meters = Smoke CADR value x 0.144
This formula is based on the CADR requirement to remove 80% of smoke particles, assuming one room air exchange per hour. Further information on this calculation can be obtained from AHAM.

#### The Seal

The AHAM Portable Electric Room Air Cleaner Certification Seal is a mark issued by AHAM to all manufacturers and private brand sellers of portable electric room air cleaners who are Licensees in the Certification Program. Under terms of the Program, the manufacturer certifies that the CADR of all portable electric room air cleaners bearing this mark are determined and accurately stated in accordance with the requirements of ANSI/AHAM Standard AC-1. The Certification Seal is required on all packaging of certified portable electric room air cleaners. Additionally, Program terms require that manufacturers display only CADR values for tobacco smoke, dust and pollen within the certification seal. The seal cannot imply certification of any other feature or performance factor.

#### **Directory**

AHAM's Directory of Certified Portable Electric Room Air Cleaners lists current program models for each participating Licensee in the Program. The directory is published semi-annually (January and July) with quarterly electronic publications (January, April, July, October) available at <a href="www.ahamverifide.org">www.ahamverifide.org</a>. The directory edition may include room air cleaner models that were produced during a previous directory period, but which have no scheduled production during the current period.

**Note:** If the word *WAS* is displayed next to a line, the data shown in that line was the previously certified data before the rating was changed as noted.

#### **Inquiries and Comments**

Comments or questions on AHAM's Portable Electric Room Air Cleaner Certification Program should be directed to AHAM or visit our website at <a href="https://www.ahamverifide.org">www.ahamverifide.org</a>.

#### **Ozone Emission Information**

An ozone emission limit of 50 parts per billion (ppb) is recognized by the U.S. Food & Drug Administration for medical products and is referred to in U.S. EPA guidelines for indoor air quality.¹ Underwriters Laboratories Safety Standard 867 recognizes 50 ppb as a maximum ozone emission limit. Participants may voluntarily provide certified ozone emissions data to UL Standard 867, Section 37, which is not subject to separate verification testing by AHAM. Additional information on ozone emission is available from individual manufacturers.

AHAM provides Program Licensees the opportunity to report portable electric room air cleaner compliance with UL 867, Part 37 in the AHAM Portable Electric Room Air Cleaner Directory. Inclusion of ozone emission information is voluntary. Ozone emission information is not part of the AHAM Certification Program for Portable Electric Room Air Cleaners and is not subject to independent verification testing by AHAM.

<sup>&</sup>lt;sup>1</sup> This limit is also recognized by California Law AB2276-2006 for emissions from portable air cleaners sold in the state. There is no implication that ozone listing in this directory complies with the California ozone certification program for air cleaners.

_	CERTIFIED DATA				
Brand	Dust	Tobacco	Pollen	Room Size	Meet Ozone
Company/Address	CADR	Smoke CADR	CADR	sq. FT	Limits
Model Number		OADIK			
Aerus					
Aerus LLC 5420 LBJ Freeway Suite 1010 Dallas, TX 75240 :USA					
Guardian Angel F179A	103	70	101	109	Yes
Beyond Guardian Air F159E	189	182	231	282	Yes
Guardian Air Platinum F159D	189	182	231	282	Yes
Air Tamer					
Lasko Metal Products, LLC. 820 Lincoln Avenue West Chester, PA 19380: USA					
A551FZ	193	170	200	263	Yes
Airgle					
<b>Airgle Corporation</b> 1170 Lincoln Ave., Unit 2 Holbrook, NY 11741: USA					
AG600	197	191	191	296	Yes
AG500	253	238	239	369	Yes
AG900	400	398	379	617	Yes
Airthereal					
West Ryder Technology LLC 251 Little Falls Drive Wilmington, DE 19808-1674: USA					
AGH500S	258	237	290	367	Yes
AGH490	290	295	303	457	Yes
AGH490Pro	290	295	303	457	Yes
AGH500	290	295	303	457	Yes
AGH500Pro	290	295	303	457	Yes
AGH550	290	295	303	457	
AGH550Pro	290	295	303	457	Yes
Atmosphere MINI					
Access Business Group 7575 Fulton Street East Ada, MI 49355 :USA					
123328ID	130	130	130	200	Yes
Atmosphere Sky					
Amway (China) Co., LTD. 41/F CITIC Plaza, 233 Tianhe N. Road Guangzhou, Guangdong :China	i				
120539	300	300	300	465	Yes
120539A	300	300	300	465	Yes
120539E	300	300	300	465	
120539HK	300	300	300	465	Yes
120539IN	300	300	300	465	Yes
120539J	300	300	300	465	
120539K	300	300	300	465	
120539M	300	300	300	465	

	CERTIFIED DATA					
Brand		Tobacco	5			
Company/Address	Dust CADR	Smoke	Pollen CADR	Room Size sq. FT	Meet Ozone Limits	
Model Number	CADR	CADR	CADR	Sq. F1	LIIIIIIS	
Atmosphere Sky						
Amway (China) Co., LTD.						
41/F CITIC Plaza, 233 Tianhe N. Roa Guangzhou, Guangdong: China	d					
120539T	300	300	300	465	Yes	
120539TH	300	300	300	465		
Atmosphere Sky (CHINA)						
Amway (China) Co., Limited 41/F CITIC Plaza, 233 Tianhe N. Road Guangzhou, Guangdong :China						
120539CH	300	300	300	465		
BeneLife						
Infinitus (China) Company Ltd.  No. 3 North District Ind &Trading City, GuangDong, :CHINA	Qi Bao Xin H	_	en			
KJ550F-QJ0401A (KJFQJ0401550)	357	341	431	529	Yes	
KJ660F-QJ0401B	372	352	418	546	Yes	
Blue						
Blue by Blueair Karlavagen 108 Stockholm, 11526 :Sweden						
Pure 411	120	105	120	161	Yes	
Pure Mini	120	105	120	161	Yes	
Pure 211	350	350	350	540	Yes	
Pure 211+	350	350	350	540	Yes	
Pure 221	350	350	350	540	Yes	
Pure 231	350	350	350	540	Yes	
Pure Max	350	350	350	540	Yes	
Pure 121	400	400	400	620	Yes	
BLUE VENT						
THINKWARE Corporation 9FL., Samwhan Hipex A, 240, Pangyoy Seongnam-si, Gyeonggi-do :KOREA	/eok-ro, Bun	dang-gu				
ACP-1000Pro	22	18	36	28	Yes	
ACP-1000	28	22	27	34		
Blueair						
Blueair, Inc. 17 N. State Street, Suite 1830 Chicago, IL 60602 :USA						
103	103	82	101	130	Yes	
S1	100	100	100	150	Yes	
JOY S	121	119	131	185	Yes	
Sense+	140	120	150	186	Yes	
3231101000 (Blue 3210)	107	123	96	190	Yes	
3231101000 (Blue Pure 411 Auto)	107	123	96	190	Yes	
203	155	155	155	240	Yes	

<sup>#</sup> Voluntary increase in rating based on verification test results

<sup>+</sup> Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand	Duet	Tobacco	Dellen	Doom Cine	Maat Ozana
Company/Address	Dust CADR	Smoke	Pollen CADR	Room Size sq. FT	Meet Ozone Limits
Model Number	OADIK	CADR	OADIX	34.11	Lillits
Blueair					
Blueair, Inc.					
17 N. State Street, Suite 1830					
Chicago, IL 60602 :USA					
270E	155	155	155	240	Yes
205	200	180	200	279	Yes
280i	200	180	200	279	Yes
290i	200	180	200	279	Yes
403	240	240	240	370	Yes
410B	240	240	240	370	Yes
450E	240	240	240	370	Yes
455EB	240	240	240	370	
3431101000 (Blue 3410)	250	250	244	388	Yes
3431101000 (Blue Pure 311 Auto)	250	250	244	388	Yes
Pro M	285	250	350	387	Yes
405	300	280	300	434	Yes
480i	300 300	280 280	300 300	434 434	Yes Yes
490i	375	375	375	580	Yes
503	375 375	375	375 375	580	Yes
550E	390	390	390	605	Yes
555EB	400	450	450	698	Yes
505	400	450	450	698	Yes
580i	400	450	450	698	Yes
590i 603	400	450	450	698	Yes
605	400	450	450	698	Yes
650E	400	450	450	698	Yes
680i	400	450	450	698	Yes
690i	400	450	450	698	Yes
Pro L	400	450	450	698	Yes
Pro XL	400	450	450	698	Yes
BOSCH					
Bosch Thermotechnology (Beijing	n) Co. Ltd				
No. 333 Fuguan Road North, IBP, C		ct			
Shanghai, 200335 :China	0 0				
KJ250F-A3000N 250	194	189	191	293	
KJ300F-A3000G 300 C5	197	192	189	298	Yes
KJ300F-A3000N 300 C2	210	201	195	312	Yes
KJ700F-A7800N 700 H C2	378	391	408	606	
KJ600F-A7500G 600	400	401	426	622	
KJ700F-A7800N 700 C3	400	419	435	650	Yes
Braun					
Kaz USA Inc., A Division of Helen	of Troy				
400 Donald Lynch Blvd, Suite 300	•				
Marlborough, MA 01752 :USA					
BFD104B	200	194	190	300	Yes
BFD104W	200	194	190	300	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results + Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand	Duct	Tobacco	Pollen	Doom Size	Moot Ozono
Company/Address	Dust CADR	Smoke	CADR	Room Size sq. FT	Meet Ozone Limits
Model Number	OADK	CADR	OABIN	3q. i i	
Braun (Taiwan)					_
Kaz, A Division of Helen of Troy 400 Donald Lynch Blvd, Suite 300 Marlborough, MA 01752:USA					
BFD100WTW	176	180	179	279	
BFD104BTW	176	180	179	279	Yes
cado					
cado Co.,LTD. Shirokanedai, Crest Build, 8F, Shirok Minato-Ku Tokyo, :JAPAN	kanedai 4-2-11				
AP-C120	101	85	117	132	Yes
AP-C200	153	140	160	217	Yes
AP-C320i	184	172	196	267	
AP-C300	182	176	170	273	
AP-C300E	182	176	170	273	
AP-C310	182	176	170	273	Yes
AP-C700	400	450	450	695	
AP-C700D	400	450	450	695	
AP-C700S	400	450	450	695	
AP-C710S	400	450	450	695	
Clair					
Clair Inc. 2F, 148, Gangnam-daero, Seocho-g Seoul, :Korea	u				
K1M12	78	65	78	101	Yes
H1	121	104	130	161	Yes
G600	314	312	354	483	Yes
Danby					
Danby Products Ltd. 5070 Whitelaw Rd. Guelph, Ontario N1H 6Z9 :Canada					
DAP120BBWDB	133	121	148	188	
DAP110BAWDB	145	143	121	222	
E ECOVACS ROBOTICS					
Ecovacs Robotics Co.,Ltd 18 You Xiang Road, Wuzhong Distric Jiangsu Province, :China	ct, Suzhou City				
KJ350G-LX11-03	205	204	217	317	
KJ500G-LX11-01	292	296	299	458	
KJ500G-A30G	329	336	334	521	Yes
Electrolux					
Electrolux Home Care Products No. 10200 David Taylor Drive Charlotte, NC 28262: USA					
EAC203	98	98	103	150	
EAC215	98	98	103	150	
ELAP15D7PW	98	98	103	150	Yes

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<u>-</u>	CERTIFIED DATA				
Brand	Dust	Tobacco	Pollen	Room Size	Meet Ozone
Company/Address	CADR	Smoke	CADR	sq. FT	Limits
Model Number	OADIN	CADR	OADIN	34.11	Lillits
Electrolux					
Electrolux Home Care Products NA 10200 David Taylor Drive Charlotte, NC 28262 :USA	1				
EAC303	197	197	214	300	
EAC315	197	197	214	300	Yes
EAP300	197	197	214	300	Yes
EAP300-U	197	197	214	300	Yes
ELAP30D7PW	197	197	214	300	Yes
EAC403	298	291	343	450	Yes
EAC415	298	291	343	450	Yes
EAP450	298	291	343	450	
ELAP40D8PW	298	291	343	450	
ELAP45D8PW	298	291	343	450	Yes
EUREKA					
Midea America Corporation					
5 Sylvan Way Parsippany, NJ 07054 :USA					
NEA120	145	143	228	222	Yes
Febreze					
Kaz USA, Inc. 400 Donald Lynch Blvd. Suite 300 Marlborough, MA 01752 :USA					
FHT170W	68	55	65	85	Yes
FHT180V	79	55	73	85	Yes
FHT180W	79	55	73	85	Yes
FHT180WHS	79	55	73	85	Yes
FHT190V	147	110	156	170	Yes
FHT190W	147	110	156	170	Yes
Fellowes					
Fellowes, Inc. 1789 Norwood Ave. Itasca, IL 60143 :USA					
AeraMax DX5 (Japan)	51	53	58	80	
AeraMax 50	78	65	67	101	Yes
AeraMax 100	65	68	75	100	Yes
AeraMax 90	65	68	75	100	Yes
AeraMax Baby DB5	65	68	75	100	Yes
AeraMax DX5	65	68	75	100	Yes
AeraMax 190	129	126	124	200	Yes
AeraMax 200	129	126	124	200	Yes
AeraMax Baby DB55	129	126	124	200	Yes
AeraMax DX55	129	126	124	200	Yes
AeraMax 290	196	191	188	300	
AeraMax 300	196	191	188	300	Yes
AeraMax DX95	196	191	188	300	Yes
ASIGNAL DAGO					

<sup>#</sup> Voluntary increase in rating based on verification test results + Required Rerate

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	CERTIFIED DATA				
Brand	Dust	Tobacco	Pollen	Room Size	Meet Ozone
Company/Address	CADR	Smoke	CADR	sq. FT	Limits
Model Number		CADR	<b>0</b> /15/1	04.1.1	
Filtrete					
<b>3M Company</b> 3M Center					
St. Paul, MN 55144 :USA					
FAP-TT-ADH	60	50	80	80	Yes
FAP-C01-F1	80	68	100	110	Yes
FAP-C01-A	75	70	85	110	Yes
FAP-C01-BA-G1	75	70	85	110	Yes
FAPCA-C01BA-F1	75	70	85	110	Yes
FAP-C02-A2	110	98	120	150	Yes
FAP-C02-F2	110	98	120	150	Yes
FAP-C02WA-G2	110	98	120	150	Yes
FAP-SC02L	105	98	115	150	Yes
FAP-SC02N	105	98	115	150	Yes
FAP-SC02W	105	98	115	150	Yes
FAPCA-C02BA-F2	110	98	120	150	Yes
FAP-C03-A2	160	158	200	250	Yes
FAP-C03BA-G2	160	158	200	250	Yes
FAPCA-C03BA-F2	160	158	200	250	Yes
FAP-T02-F1	190	185	210	290	Yes
FAP-T02WA-G1	190	185	210	290	Yes
FAP-ST02L	205	200	240	310	Yes
FAP-ST02N	205	200	240	310	Yes
FAP-ST02W	205	200	240	310	Yes
FAP-T03-A2	250	240	280	370	Yes
FAP-T03-F2	250	240	280	370	Yes
FAP-T03BA-G2	250	240	280	370	Yes
Germguardian					
Guardian Technologies, LLC					
26251 Bluestone Blvd., Suite 7 Euclid, OH 44132 :USA					
AC4150	60	35	68	54	Yes
AC4150BLCA	60	35	68	54	Yes
AC4150BLE	60	35	68	54	Yes
AC4150BLPT	60	35	68	54	Yes
AC4150BLPTCA	60	35	68	54	Yes
AC4150E	60	35	68	54	Yes
AC4150PCA	60	35	68	54	Yes
AC4150PE	60	35	68	54	Yes
AC4150PPT	60	35	68	54	Yes
AC4150PPTCA	60	35	68	54	Yes
AC4100	56	50	76	78	Yes
AC4100CA	56	50	76	78	Yes
AC4100CA AC4100CB	56	50	76 76	78	Yes
AC4100CB AC4100E	56	50	76 76	78	Yes
	56	50	76 76	78	Yes
AC4100PT AC4100PTCA	56	50	76	78	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results + Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand Company/Address	Dust	Tobacco Smoke	Pollen	Room Size	Meet Ozone
Model Number	CADR	CADR	CADR	sq. FT	Limits
sac. rtamsel					
Germguardian					
Guardian Technologies, LLC 26251 Bluestone Blvd., Suite 7 Euclid, OH 44132 :USA					
,	76	68	77	105	Yes
AC4200	76	68	77	105	Yes
AC4200B	76	68	77	105	Yes
AC4200BCA AC4200BDLX	76	68	77	105	Yes
AC4200BDEX AC4200BPT	76	68	77	105	Yes
AC4200BF 1 AC4200W	76	68	77	105	Yes
AC4200WCA	76	68	77	105	Yes
AC4200WCA AC4200WDLX	76	68	77	105	Yes
AC4200WPT	76	68	77	105	Yes
AC4700	106	97	106	150	Yes
AC4700B	106	97	106	150	Yes
AC4700BCA	106	97	106	150	Yes
AC4700BDLX	106	97	106	150	
AC4700BPT	106	97	106	150	Yes
AC4700W	106	97	106	150	Yes
AC4700WCA	106	97	106	150	Yes
AC4700WDLX	106	97	106	150	Yes
AC4700WPT	106	97	106	150	Yes
AC4711	106	97	106	150	Yes
AC4711B	106	97	106	150	Yes
AC4711BDLX	106	97	106	150	Yes
AC4711BPT	106	97	106	150	Yes
AC4711DLX	106	97	106	150	Yes
AC4711E	106	97	106	150	Yes
AC4711W	106	97	106	150	Yes
AC4711WDLX	106	97	106	150	Yes
AC4711WPT	106	97	106	150	Yes
AC4900	106	97	112	150	Yes
AC4900CA	106	97	112	150	Yes
AC4900E	106	97	112	150	Yes
AC4900PT	106	97	112	150	Yes
AC4900PTCA	106	97	112	150	Yes
AC5600	105	97	101	151	Yes
AC5600B	105	97	101	151	Yes
AC5600BCA	105	97	101	151	Yes
AC5600BDLX	105	97	101	151	Yes
AC5600BPT	105	97	101	151	Yes
AC5600W	105	97	101	150	Yes
AC5600WCA	105	97	101	151	Yes
AC5600WDLX	105	97	101	151	Yes
AC5600WPT	105	97	101	151	Yes
AC4300	107	99	116	153	Yes

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<sup>+</sup> Required Rerate

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	CERTIFIED DATA				
Brand Company/Address	Dust CADR	Tobacco Smoke	Pollen CADR	Room Size sq. FT	Meet Ozone Limits
Model Number	CADR	CADR	CADIN	94.11	Lillits
Germguardian					
Guardian Technologies, LLC 26251 Bluestone Blvd., Suite 7 Euclid, OH 44132 :USA					
,	107	99	116	153	Yes
AC4300B	107	99	116	153	Yes
AC4300BCA	107	99	116	153	Yes
AC4300BE AC4300BPT	107	99	116	153	Yes
AC4300BFT AC4300BPTCA	107	99	116	153	Yes
AC4300BFTCA AC4300W	107	99	116	153	Yes
AC4300WCA	107	99	116	153	Yes
AC4300WE	107	99	116	153	Yes
AC4300WPT	107	99	116	153	Yes
AC4300WPTCA	107	99	116	153	Yes
CDAP4500	107	99	116	153	Yes
CDAP4500B	107	99	116	153	Yes
CDAP4500BCA	107	99	116	153	Yes
CDAP4500BE	107	99	116	153	Yes
CDAP4500BPT	107	99	116	153	Yes
CDAP4500BPTCA	107	99	116	153	Yes
CDAP4500W	107	99	116	153	Yes
CDAP4500WCA	107	99	116	153	Yes
CDAP4500WE	107	99	116	153	Yes
CDAP4500WPT	107	99	116	153	Yes
CDAP4500WPTCA	107	99	116	153	Yes
AC4820	112	102	131	158	Yes
AC4820B	112	102	131	158	Yes
AC4820BCA	112	102	131	158	Yes
AC4820BPT	112	102	131	158	Yes
AC4820BSP	112	102	131	158	Yes
AC4820E	112	102	131	158	Yes
AC4820W	112	102	131	158	Yes
AC4820WCA	112	102	131	158	Yes
AC4820WPT	112	102	131	158	Yes
AC4820WSP	112	102	131	158	Yes
AC4825	118	108	125	167	Yes
AC4825CA	118	108	125	167	Yes
AC4825E	118	108	125	167	Yes
AC4825PT	118	108	125	167	Yes
AC4825PTCA	118	108	125	167	Yes
AC4850	118	108	125	167	Yes
AC4850B	118	108	125	167	Yes
AC4850CA	118	108	125	167	Yes
AC4850E	118	108	125	167	Yes
AC4850PT	118	108	125	167	Yes
AC4850PTCA	118	108	125	167	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results

<sup>+</sup> Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand Company/Address	Dust	Tobacco Smoke	Pollen	Room Size	Meet Ozone
Model Number	CADR	CADR	CADR	sq. FT	Limits
Germguardian					
Guardian Technologies, LLC 26251 Bluestone Blvd., Suite 7					
Euclid, OH 44132 :USA	114	108	127	167	Yes
AC5300	114	108	127	167	Yes
AC5300B AC5300BCA	114	108	127	167	Yes
AC5300BCA AC5300BPT	114	108	127	167	Yes
AC5300BPTCA	114	108	127	167	Yes
AC5300W	114	108	127	167	Yes
AC5300WCA	114	108	127	167	Yes
AC5300WPT	114	108	127	167	Yes
AC5300WPTCA	114	108	127	167	Yes
AC5350	114	108	127	167	Yes
AC5350B	114	108	127	167	Yes
AC5350BCA	114	108	127	167	Yes
AC5350BPT	114	108	127	167	Yes
AC5350BPTCA	114	108	127	167	Yes
AC5350W	114	108	127	167	Yes
AC5350WCA	114	108	127	167	Yes
AC5350WPT	114	108	127	167	Yes
AC5350WPTCA	114	108	127	167	Yes
CDAP5500	118	110	139	170	Yes
CDAP5500B	119	110	139	170	Yes
CDAP5500BCA	119	110	139	170	Yes
CDAP5500BPT	119	110	139	170	Yes
CDAP5500BPTCA	119	110	139	170	Yes
CDAP5500W	119	110	139	170	Yes
CDAP5500WCA	119	110	139	170	Yes
CDAP5500WPT	119	110	139	170	Yes
CDAP5500WPTCA	119	110	139	170	Yes
AC5000	123	116	128	180	Yes
AC5000B	123	116	128	180	Yes
AC5000BCA	123	116	128	180	Yes
AC5000CA	123	116	128	180	Yes
AC5000E	123	116	128	180	Yes
AC5000PT	123	116	128	180	Yes
AC5250	123	116	128	180	Yes
AC5250CA	123	116	128	180	Yes
AC5250E	123	116	128	180	Yes
AC5250PT	123	116	128	180	Yes
AC5250PTCA	123 125	116 120	128 150	180 186	Yes
AP2200	135 135	120 120	159 159	186 186	Yes Yes
AP2200CA	135	120	159	186	Yes
AP2200E		120	159	186	Yes
AP2200PT	135	120	108	100	1 62

<sup>#</sup> Voluntary increase in rating based on verification test results

<sup>+</sup> Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand	Dust	Tobacco	Pollen	Room Size	Meet Ozone
Company/Address	CADR	Smoke CADR	CADR	sq. FT	Limits
Model Number		CADIC			
Germguardian					
Guardian Technologies, LLC					
26251 Bluestone Blvd., Suite 7					
Euclid, OH 44132 :USA					
AP2200PTCA	135	120	159	186	Yes
AP2800	149	145	163	225	Yes
AP2800CA	149	145	163	225	Yes
AP2800E	149	145	163	225	Yes
AP2800PT	149	145	163	225	Yes
AP2800PTCA	149	145	163	225	Yes
AP5800	199	192	221 221	298	Yes
AP5800B	199 199	192 192	221	298 298	Yes Yes
AP5800BCA	199	192	221	298	Yes
AP5800BDLX	199	192	221	298	Yes
AP5800BPT	199	192	221	298	Yes
AP5800W	199	192	221	298	Yes
AP5800WCA	199	192	221	298	Yes
AP5800WDLX	199	192	221	298	Yes
AP5800WPT AC9200	216	216	335	335	Yes
	216	216	265	335	Yes
AC9200B AC9200BCA	216	216	265	335	Yes
AC9200BCA AC9200BPT	216	216	265	335	Yes
AC9200BPTCA	216	216	265	335	Yes
AC9200CA	216	216	265	335	Yes
AC92000A AC9200W	216	216	265	335	Yes
AC9200WCA	216	216	265	335	Yes
AC9200WPT	216	216	265	335	Yes
AC9200WPTCA	216	216	265	335	Yes
AC5900	220	218	215	338	Yes
AC5900B	220	218	215	338	Yes
AC5900BCA	220	218	215	338	Yes
AC5900BPT	220	218	215	338	Yes
AC5900BPTCA	220	218	215	338	Yes
AC5900W	220	218	215	338	Yes
AC5900WCA	220	218	215	338	Yes
AC5900WPT	220	218	215	338	Yes
AC5900WPTCA	220	218	215	338	Yes
AC5109	258	254	291	394	Yes
AC5109B	258	254	291	394	Yes
AC5109BDLX	258	254	291	394	Yes
AC5109BPT	258	254	291	394	Yes
AC5109DLX	258	254	291	394	Yes
AC5109E	258	254	291	394	Yes
AC5109W	258	254	291	394	Yes
AC5109WDLX	258	254	291	394	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results

<sup>+</sup> Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand	Duet	Tobacco	Dellan	Doom Size	Most Ozono
Company/Address	Dust CADR	Smoke	Pollen CADR	Room Size sq. FT	Meet Ozone Limits
Model Number	OADIX	CADR	OADIX	34.11	Lillits
Germguardian					
Guardian Technologies, LLC 26251 Bluestone Blvd., Suite 7 Euclid, OH 44132 :USA					
AC5109WPT	258	254	291	394	Yes
AC9400	263	259	275	402	Yes
AC9400B	263	259	275	402	Yes
AC9400BCA	263	259	275	402	Yes
AC9400BPTCA	263	259	275	402	Yes
AC9400BSP	263	259	275	402	Yes
AC9400W	263	259	275	402	Yes
AC9400WCA	263	259	275	402	Yes
AC9400WPTCA	263	259	275	402	Yes
AC9400WSP	263	259	275	402	Yes
Gree					
Gree Electric Appliances, Inc. of Z West Jinji Road ; Qianshan, Zhuhai 519070 Guangdong, :China	Zhuhai				
GCF200AANA	200	200	200	316	Yes
Hitachi					
Hitachi Appliances, Inc. 1-1, Hitashitaga-cho, 1-Chome, Hita Ibaraki-ken, 316-8502 :JAPAN	chi-shi				
EP-PF90C	299	286	347	443	
EP-PF90J	299	286	347	443	Yes
UDP-PF90J	299	286	347	443	Yes
EP-PF120C	375	360	397	558	
EP-PF120J	375	360	397	558	Yes
UDP-PF120J	375	360	397	558	
Honeywell					
Kaz USA, Inc. 400 Donald Lynch Blvd. Suite 300 Marlborough, MA 01752 :USA					
HFD-010	35	40	55 	62	Yes
HPA060	62	48	75 	75 	Yes
HPA060BWM	62	48	75 	75 	Yes
HPA061-TGT	62	48	75	75	Yes
HPA020B	63	53	53	80	Yes
HHT270W	68	55	65	85	Yes
HHT270WHD	68	55	65	85	Yes
HFD280B	95	98	84	150	Yes
HFD280BWM	95	98	84	150	Yes
HA106WHD	106	100	100	155	Yes
HPA094WMP	106	100	100	155	Yes
HPA100	106	100	100	155	Yes
HPA101-TGT	106	100	100	155	Yes
HPA104WMP	106	100	100	155	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results + Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

_	CERTIFIED DATA				
Brand Company/Address	Dust	Tobacco Smoke	Pollen	Room Size	Meet Ozone
Model Number	CADR	CADR	CADR	sq. FT	Limits
•					
Honeywell					
Kaz USA, Inc. 400 Donald Lynch Blvd. Suite 300 Marlborough, MA 01752 :USA					
HPA105-TGT	106	100	100	155	Yes
HD123GHD	100	110	132	170	Yes
HFD-120-Q	100	110	132	170	Yes
HFD140BWM	100	110	132	170	Yes
HFD230B	100	110	132	170	Yes
HFD230BTG	100	110	132	170	Yes
HHT290WHD	118	110	90	170	Yes
HPA030B	124	110	117	170	Yes
HPA160	120	110	130	170	Yes
HPA5100B	140	114	140	175	Yes
HPA5100W	140	114	140	175	Yes
HPA3100	145	129	145	200	Yes
17000-S	130	130	130	200	Yes
HFD300	150	146	160	225	Yes
HFD300WWM	150	146	160	225	Yes
HFD310	160	161	170	250	Yes
HFD310BWM	160	161	170	250	Yes
HFD320	160	161	170	250	Yes
HFD323-TGT	160	161	170	250	Yes
HFD360B	166	169	149	260	Yes
HA202BHD	190	200	180	310	Yes
HPA200	190	200	180	310	Yes
HPA200BMW	190	200	180	310	Yes
HPA201-TGT	190	200	180	310	Yes
HPA204	190	200	180	310	Yes
HPA250B	190	200	180	310	Yes
HPA600B	184	210	205	325	Yes
HPA5200B	243	226	260	350	Yes
HPA5220B	240	226	260	350	Yes
HPA3200B	242	238	260	370	Yes
50250-S	250	250	250	390	Yes
HA300BHD	320	300	300	465	Yes
HPA300	320	300	300	465	Yes
HPA304	320	300	300	465	Yes
HPA8350B	320	300	300	465	Yes
HPA5300B	339	323	335	500	Yes
HPA3300	355	355	335	550	

<sup>#</sup> Voluntary increase in rating based on verification test results + Required Rerate

	CERTIFIED DATA				
Brand	Dust	Tobacco	Pollen	Room Size	Meet Ozone
Company/Address	CADR	Smoke CADR	CADR	sq. FT	Limits
Model Number		CADR			
Honeywell (Canada)					
Kaz USA, Inc.					
400 Donald Lynch Blvd. Suite 300 Marlborough, MA 01752 :USA					
HFD-015C	35	40	55	62	Yes
HPA060C	62	48	75	75	Yes
HPA064C	62	48	75	75	Yes
HHT270GC	68	55	65	85	Yes
HHT270GCD1	68	55	65	85	Yes
HHT270WC	68	55	65	85	Yes
HHT270WCD1	68	55	65	85	Yes
HPA100C	106	100	100	155	Yes
HPA104C	106	100	100	155	Yes
HPA710C	107	100	116	155	Yes
HFD-120QC	100	110	132	170	Yes
HFD-122C	100	110	132	170	Yes
HFD140BC	100	110	132	170	Yes
HPA160C	120	110	130	170	Yes
HPA164C	120	110	130	170	Yes
HPA5150BC	141	133	145	206	Yes
HPA5150WC	141	133	145	206	Yes
HFD303C	150	146	160	225	Yes
HFD310C	160	161	170	250	Yes
HFD322C	160	161	170	250	Yes
HFD323C	160	161	170	250	Yes
HFD360BC	166	169	149	260	Yes
HPA720C	195	194	202	300	
HPA200C	190	200	180	310	Yes
HPA204C	190	200	180	310	Yes
HPA5220BC	240	226	260	350	Yes
HPA5250BC	243	233	264	361	Yes
HPA5250WC	243	233	264	361	Yes
HPA300C	320	300	300	465	Yes
HPA5350BC	339	338	334	523	Yes
Honeywell (Taiwan)					
Kaz (Far East) Ltd. Taiwan Branch 4F-1, No. 13., Sec 2, Peitous Rd.	Office				
Taipei, 112 :Taiwan					
HPA030WTW	124	110	117	170	Yes
HPA710WTW	120	120	122	180	Yes
HPA5150WTW	136	125	121	195	
HPA720WTW	198	200	187	300	
HPA600BTW	184	210	205	325	
HPA5250WTW	257	235	224	371	Yes
HPA5350WTW	349	320	278	499	

<sup>#</sup> Voluntary increase in rating based on verification test results + Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand	Dust	Tobacco	Pollen	Room Size	Meet Ozone
Company/Address	CADR	Smoke	CADR	sq. FT	Limits
Model Number		CADR		94	
IDEAL					
МВМ					
3134 Industry Drive					
North Charleston, SC 29418 :USA					
AP158721	98	98	103	150	
AP308722	197	197	214	300	
AP40	264	258	301	400	Yes
AP458723	298	291	343	450	
AP100	400	450	450	698	Yes
Ionic Comfort					
Lasko Products, LLC.					
820 Lincoln Avenue					
West Chester, PA 19380 :USA	4-0			212	.,
203833-01	150	135	165	210	Yes
203833-02	150	135	165	210	Yes
Ionic Comfort Plus					
Lasko Metal Products, LLC.					
820 Lincoln Avenue					
West Chester, PA 19380 :USA	400	0.5	400	420	Vaa
A502	100 193	85 170	100 200	132 263	Yes Yes
A551		_		263 263	Yes
A552	193	170	200	203	res
Ionic Comfort Quadra					
Lasko Products, LLC.					
820 Lincoln Avenue West Chester, PA 19380 :USA					
	193	170	200	263	Yes
A552	195	170	200	203	163
Klarwind					
CLK Corporation 2nd Floor, 12, Seonyu-ro, 43 na-gil,	Vaaunadauna r				
Seoul, 07210 :Korea	reoungaeung p	oo-gu			
Klarwind 18	285	275	341	426	Yes
Klarwind 18S	285	275	341	426	. 55
Smart 18	285	275	341	426	
Klarwind 23	387	378	431	586	
Klarwind 23S	387	378	431	586	Yes
Smart 25	387	378	431	586	
CAP-100SW	400	443	450	558	
Lasko					
Lasko Products, LLC.					
820 Lincoln Avenue West Chester, PA 19380: USA					
HF11200	32	36	38	56	Yes
HF25610	125	104	130	161	
HF25620	125	104	130	161	Yes
HF25630	125	104	130	161	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results

<sup>+</sup> Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand	Dust	Tobacco	Pollen	Room Size	Meet Ozone
Company/Address	CADR	Smoke	CADR	sq. FT	Limits
Model Number		CADR		·	
LEXY					
KingClean Electric Co., LTD. No. 1 Xiangyang Road	01:				
Suzhou District, Jiangsu 215009		004	407	000	W
KJ709	364	391	407	606	Yes
KJ901	400	450	450	698	Yes
LG					
LG Electronics Inc. 84, Wanam-ro, Seongsan-gu, Cha Gyeongsangnam-do, 51554 :Kor	-				
AS330DWR0	200	200	220	310	
AM501YWM1	230	205	245	318	
AS560DWR0	330	330	365	512	
Lux					
Lux Asia Pacific Pte Ltd 390 Havelock Road #08-03 King's 169662 :Singapore	s Centre,				
LACL-1 Ventus	103	82	101	130	
LACH-2 Hera	400	450	450	698	Yes
LACS-1 Aura	400	450	450	698	Yes
MayAir					
MayAir Technology (China) Co., No101, Lanxia Road, Moling Sub- Nanjing City, 211111 :China					
D-Breath	400	450	450	698	Yes
Midea					
GD Midea Environment Applian 28 Dongfu Road, Hesui East Indus Zhongshan, Guangdong, :China	strial Area, Dongfe				
KJ20/WA	119	96	121	148	Yes
KJ200G-C41	119	96	121	148	
KJ20FE-NN	119	96	121	148	
KJ210G-C42	119	96	121	148	
KJ210G-C46	119	96	121	148	
US-KJ20FE-TD	133	121	148	188	
CAF-W36US	145	143	228	222	
TW-KJ20FE-BD	145	143	121	222	Yes
US-KJ200G-D41	148	152	113	236	Yes
KJ30FE-NM	171	155	167	240	Yes
KJ40/WI	229	226	236	350	
KJ400G-E31	229	226	236	350	Yes
KJ400G-E32	229	226	236	350	Yes
KJ400G-E33	229	226	236	350	
KJ500G-A11	253	239	290	370	Yes
KJ50FE-NL	253	239	290	370	
US-KJ500G-TB32	265	290	280	450	Yes
KJ700G-H32	400	412	450	639	

<sup>#</sup> Voluntary increase in rating based on verification test results + Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

	CERTIFIED DATA				
Brand Company/Address Model Number	Dust CADR	Tobacco Smoke CADR	Pollen CADR	Room Size sq. FT	Meet Ozone Limits
Midea					
GD Midea Environment Appliances MFG Co., Ltd. 28 Dongfu Road, Hesui East Industrial Area, Dongfeng Zhongshan, Guangdong, :China	400	440	450	999	
KJ720G-H31	400	412	450	639	
NOMA					
Canadian Tire Corporation 2180 Yonge Street Toronto, ON M4S 2A9 :Canada					
043-7339-2 CTI0437339	50	70	50	100	Yes
043-7340-6 CTI0437340	126	130	136	200	Yes
043-7341-4 CTI0437341	171	177	180	275	Yes
Oransi					
Oransi 1 Glenwood Ave., 5th Floor Raleigh, NC 27603:USA					
EJ120	332	323	360	500	Yes
ERIK	400	416	450	645	Yes
Perfect Particulates Purification					
Green Breeze Ltd. Unit 2302, 23/F New World Tower, 1 Central, :Hong Kong	8 Queen's Roa	d Central,			
PPP-400-01	395	375	439	581	Yes
PPP-1100-01	400	450	450	698	Yes
PPP-1200-01	400	450	450	698	Yes
Rainbow					
Rexair LLC 230 Seventh Street Cadillac, MI 49601 :USA					
E2	61	55	67	90	
RHCS19	87	74	150	115	Yes
Rowenta					
<b>Groupe SEB USA</b> 5 Wood Hollow Rd - 2nd Floor Parsippany, NJ 07054 :USA					
PU4020U2	84	75	97	116	
PU6020U2	164	155	194	240	Yes
PU3040	161	157	167	243	
PU3030	164	158	164	245	.,
PU3080	207	202	220	313	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results

<sup>+</sup> Required Rerate

	CERTIFIED DATA				
Brand	Dust	Tobacco	Pollen	Room Size	Meet Ozone
Company/Address	CADR	Smoke	CADR	sq. FT	Limits
Model Number		CADR		•	
SAMSUNG					
SAMSUNG ELECTRONICS Co., LT	D.				
129, Samsung-ro Yeongtong-gu					
Suwon-si, Gyeonggi-do 443-742 :Ko					.,
AX47*9*6****	200	190	200	296	Yes
AX300*9080*	205	200	185	310	
AX47*9080**	205	200	185	310	Vaa
AX47*988***D	205	200	185	310	Yes
AX47*998***D	205	200	185	310	Yes
AX67*9*6****	280	270	290	420	Yes
AX90*9*6****	380	390	420	607	Yes
AX80*908***D	380	395	400	612	Yes
AX90*988***D	400	420	410	651	Yes
AX90*998***D	400	420	410	651	Yes
AX94*9*2****	380	420	420	654	
Sharp					
Sharp Electronics Corporation					
100 Paragon Drive Montvale, NJ 07645 :USA					
	101	92	109	143	Yes
FP-F30U*	101	92	109	143	Yes
FPF30UH	153	133	155	210	Yes
FP-F50U-W	171	167	188	259	Yes
FP-K50U-*	171	167	188	259	Yes
FP-K50U-W	171	167	188	259	Yes
FPK50UW	185	174	233	270	Yes
KC-850U FP-F60U-W	194	181	202	280	Yes
KC-860U	231	220	245	341	Yes
FP-J80E-H	273	270	325	419	Yes
FP-J80EP-H	273	270	325	419	Yes
	273	270	325	419	Yes
FP-J80EU-W	273	270	325	419	Yes
FP-J80EV-H	273	270	325	419	100
FP-J80L-H	273	270	325	419	
FP-J80M-H	273	270	325	419	Yes
FP-J80TA-H FP-J80Y-H	273	270	325	419	Yes
	273	270	325	419	Yes
FX-J80J-W FP-A80U	303	293	360	454	Yes
	334	324	361	502	Yes
FX-J80U-W FXJ80UW	334	324	361	502	Yes
FP-140EX	400	450	450	698	Yes
FX-CF100	400	450	450	698	. 30
FX-CF100 FX-CF90	400	450	450	698	Yes
1 A-O1 30		.00		300	. 30

<sup>#</sup> Voluntary increase in rating based on verification test results + Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

			CER	TIFIED DATA	
Brand	Duct	Tobacco	Pollen	Doom Size	Most Ozona
Company/Address	Dust CADR	Smoke	CADR	Room Size sq. FT	Meet Ozone Limits
Model Number	OADIX	CADR	OADIN	34.11	Liiiit3
Toshiba					
<b>Midea India Pvt., LTD</b> 1st Floor, Peral Tower , Plot No. 51 Gurgaon, 122001 :India	, Institutional Are	ea, Sector-32			
CAF-W33XIN	145	143	121	222	Yes
CAF-W36US	145	143	228	222	Yes
CAF-W36USW	145	143	228	222	
CAF-W50XIN	171	155	167	240	
CAF-W48XIN	182	166	190	257	
CAF-W116XIN	400	412	450	639	Yes
TOSOT					
Gree Electric Appliances Inc. of 2 West Jinji Road, Qianshan, Zhuhai Guangdong, 519070 :China					
KJ350G	200	200	200	316	Yes
VAVA					
Sunvalleytek International Inc. 46724 Lakeview Blvd. Fremont, CA 94538: USA					
VA-EE008	148	152	113	236	
Vorwerk					
Vorwerk Household Appliances I 9F, 100 Bund Square, Nr. 100 Sout Shanghai, :China					
AP260	372	356	409	552	Yes
Whirlpool					
Aroma International Limited Flat/Rm 1903, 19/F, Emperor Grou Wanchai, :Hong Kong	o Centre, 288 He	ennessy Road			
WPT60	86	67	86	104	
WPT80	152	142	164	220	
WP1000	343	314	344	487	
WP500	325	316	401	490	Yes
WPPRO2000*	336	328	350	508	Yes
Winix					
Winix, Inc. 220 North Fairway Dr. Vernon Hills, IL 60061: USA					
WACP150	98	98	103	150	Yes
A230	154	149	147	230	Yes
A231	154	149	147	230	Yes
HR900	200	194	220	300	Yes
WACP300	197	197	214	300	Yes
NK100	221	207	218	320	Yes
NK105	221	207	218	320	Yes
QS	221	207	218	320	Yes
2020EU	243	232	246	360	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results

<sup>+</sup> Required Rerate

<sup>&</sup>lt; or > Rating outside the Scope of the AHAM Certification Program ++ Voluntary decrease in rating

_	CERTIFIED DATA				
Brand Company/Address Model Number	Dust CADR	Tobacco Smoke CADR	Pollen CADR	Room Size sq. FT	Meet Ozone Limits
Winix					
<b>Winix, Inc.</b> 220 North Fairway Dr. Vernon Hills, IL 60061 :USA					
5300-2	243	232	246	360	Yes
5500-2	243	232	246	360	Yes
6300-2	243	232	246	360	Yes
C535	243	232	246	360	Yes
C545	243	232	246	360	Yes
C555	243	232	246	360	Yes
AM80	240	233	230	360	Yes
AM90	240	233	230	360	Yes
D360	230	233	235	360	Yes
HR1000	264	258	301	400	Yes
WACP450	298	291	343	450	Yes
D480	312	310	348	480	
T1	400	450	450	698	Yes
Tower XQ	400	450	450	698	Yes
Wood's					
<b>TES Scandinavia AB</b> P.O. Box 356 Alingsas, 441 27 :Sweden					
ELFI 150	53	34	47	53	
ELFI 155	94	84	113	130	Yes
ELFI 310	145	132	161	205	Yes
ELFI 300	195	168	218	260	
ELFI 900	327	325	346	504	
Zojirushi					
<b>Zojirushi Corporation</b> 1-20-5, Tenma, Kita-ku, Osaka-shi Osaka, 530-8511 :Japan					
PU-AA50	186	179	194	277	Yes

<sup>#</sup> Voluntary increase in rating based on verification test results

<sup>+</sup> Required Rerate

#### LIST OF ADDITIONS AND DELETIONS FOR CURRENT DIRECTORY

COMPANY	BRAND NAME	MODELS ADDED	MODELS DELETED
Airgle Corporation	Airgle		AG600S
Airgle Corporation	Airgle		AG800
Blueair, Inc.	Blueair	3231101000	
		(Blue 3210)	
Blueair, Inc.	Blueair	3231101000	
		(Blue Pure 411 Auto)	
Blueair, Inc.	Blueair	3431101000	
		(Blue 3410)	
Blueair, Inc.	Blueair	3431101000	
		(Blue Pure 311 Auto)	
3M Company	Filtrete	FAP-SC02L	
3M Company	Filtrete	FAP-SC02N	
3M Company	Filtrete	FAP-SC02W	
3M Company	Filtrete	FAP-ST02L	
3M Company	Filtrete	FAP-ST02N	
3M Company	Filtrete	FAP-ST02W	
3M Company	Filtrete	FAP-TT-ADH	
Guardian Technologies, LLC	Germguardian	AC4711	
Guardian Technologies, LLC	Germguardian	AC4711B	
Guardian Technologies, LLC	Germguardian	AC4711BDLX	
Guardian Technologies, LLC	Germguardian	AC4711BPT	
Guardian Technologies, LLC	Germguardian	AC4711DLX	
Guardian Technologies, LLC	Germguardian	AC4711E	
Guardian Technologies, LLC	Germguardian	AC4711W	
Guardian Technologies, LLC	Germguardian	AC4711WDLX	
Guardian Technologies, LLC	Germguardian	AC4711WPT	
Guardian Technologies, LLC	Germguardian	AP5800	
Guardian Technologies, LLC	Germguardian	AP5800B	
Guardian Technologies, LLC	Germguardian	AP5800BCA	
Guardian Technologies, LLC	Germguardian	AP5800BDLX	
Guardian Technologies, LLC	Germguardian	AP5800BPT	
Guardian Technologies, LLC	Germguardian	AP5800W	
Guardian Technologies, LLC	Germguardian	AP5800WCA	
Guardian Technologies, LLC	Germguardian	AP5800WDLX	
Guardian Technologies, LLC	Germguardian	AP5800WPT	
LG Electronics Inc.	LG	AS330DWR0	
GD Midea Environment	Midea	CAF-W36US	
Appliances MFG Co., Ltd.			
Nuwave, LLC	Nuwave OxyPure		470XX
Groupe SEB USA	Rowenta	PU3080	
SAMSUNG ELECTRONICS Co., LTD.	SAMSUNG		AX67*988***D
SAMSUNG ELECTRONICS Co., LTD.	SAMSUNG		AX67*998***D
Winix, Inc.	Winix	A230	
Winix, Inc.	Winix	A231	



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