

World Air Conditioner Demand by Region

April 2018

JRAIA 一般社団法人
日本冷凍空調工業会

The Japan Refrigeration and Air Conditioning Industry Association

World Air Conditioner Demand by Region

April 2018

The Japan Refrigeration and Air Conditioning Industry Association

The Japan Refrigeration and Air Conditioning Industry Association (JRAIA) has just summarized the estimated results of 2017 air conditioner (AC) demand in the main countries around the world. These estimates are performed by the JRAIA's Air Conditioning Global Committee every year and were collected this time for AC demand in the main countries during the past six years from 2012 to 2017.

Note: The AC demand summarized in this document stands for the total AC demand for houses, buildings, and other structures comprising demand of "Room Air Conditioners (RAC)," including window type and small-sized split type ACs as well as "Packaged Air Conditioners (PAC)." Breakdown for RAC demand is given only from 2015 to 2017.

1. Overview

1) Overall AC Demand

The 2017 world AC demand is estimated to reach 110.56 million units with 8.1% increase compared with the previous year. When dividing the 2017 AC demand into the main markets of Japan, China, Asian countries other than Japan and China, Europe, North America, and other countries, the largest market is China, whose demand reached 45.95 million units with 13.2% increase. Chinese demand occupies 41.6% of the total world demand. The second largest market is Asia, excluding Japan and China, whose demand reached 17.30 million units with 5.4% increase. The third largest market is North America, whose demand reached 15.32 million units with 4.9% increase.

Japan reached 9.74 million units with 6.5% increase, followed by Latin America with 6.77 million units and 4.6% increase, and Europe with 6.56 million units and 8.1% increase.

2) "Room Air Conditioners (RAC)"

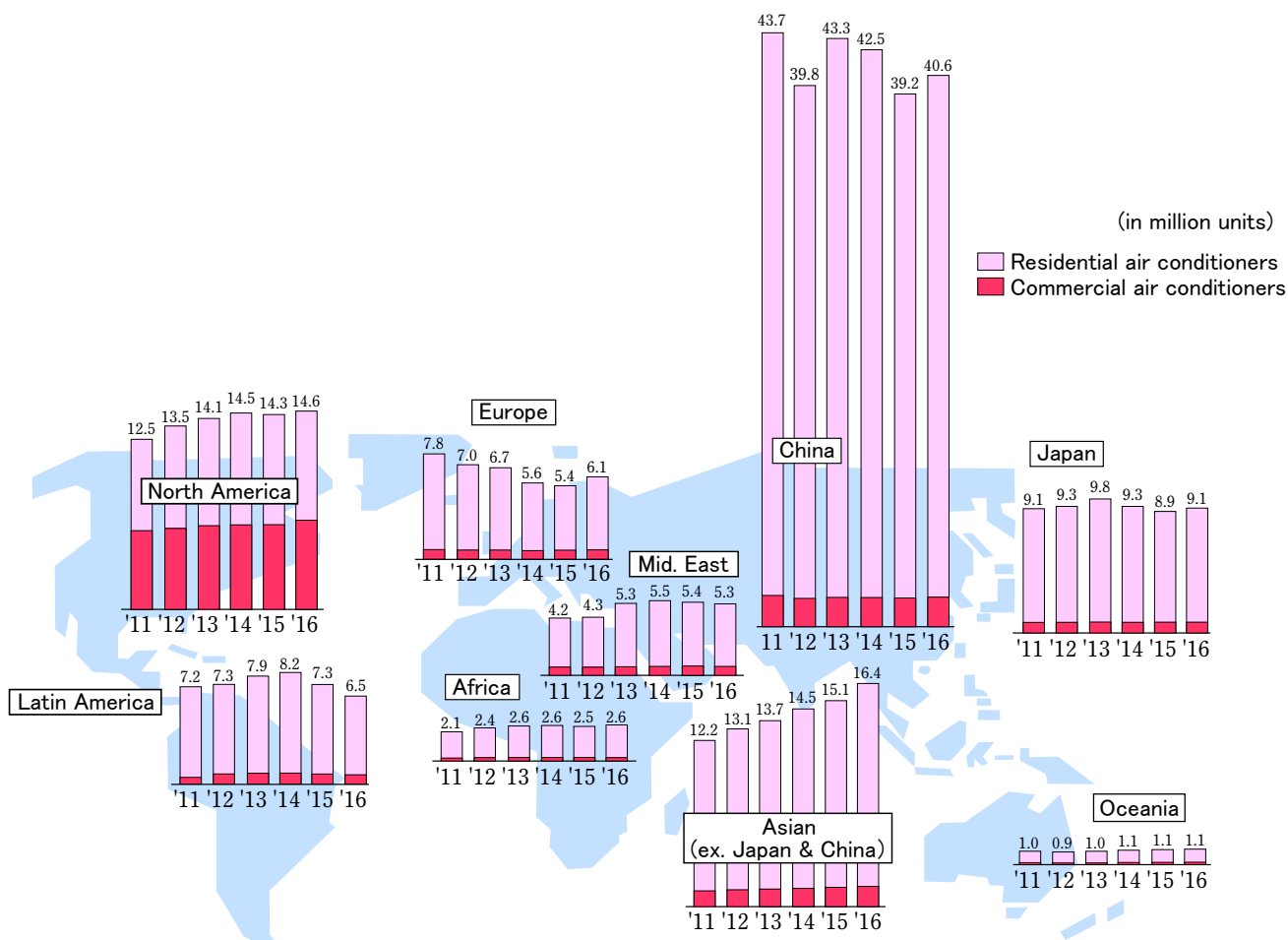
The 2017 world RAC demand is estimated to reach 96.05 million units with 8.2% increase compared with the previous year. The largest market is China, whose demand reached 43.49 million units with 13.2% increase. The second largest market is Asia, excluding Japan and China, whose demand reached 15.74 million units with 5.4% increase. The third largest market is Japan, whose demand reached 8.93 million units with 6.9% increase.

North America reached 8.13 million units with 1.2% increase, followed by Latin America with 6.09 million units and 5.3% increase, and Europe with 5.83 million units and 8.7% increase.

3) “Packaged Air Conditioners (PAC)”

The 2017 world PAC demand is estimated to reach 14.51 million units with 7.5% increase compared with the previous year. The largest market is North America, whose demand reached 7.18 million units with 9.4% increase. The second largest market is China, whose demand reached 2.46 million units with 12.9% increase. The third largest market is Asia, excluding the countries of Japan and China, whose demand reached 1.57 million units with 5.2% increase. Japan reached 0.82 million units with 3.2% increase, followed by Europe with 0.73 million units and 2.9% increase, and Middle East with 0.64 million units and 2.6% decrease.

Note: The graph shows RAC and PAC demand by region from 2012 to 2017.



2. Target and Method to Survey

1) Scope and Division of Products

The targeted ACs are used for houses, buildings, and other structures, and completed units including heat pump types for both cooling and heating. Portable type ACs and fan coil units used for hydronic system are excluded.

RAC demand consists of window type and small-sized split type ACs as well as residential-use multi systems.

PAC demand consists of commercial-use medium/large-sized split type ACs, remote condenser type ACs, single packaged ACs, and VRF systems, including unitary type ACs and unitary type heat pumps that are mainstream in North America.

2) Method to Survey

The JRAIA has collected and compiled the JRAIA market demand survey format reported by the member companies of the JRAIA's Air Conditioning Global Committee, and projected the estimated demand in each major market.

.....

- * "Asia in total": AC demand in Asia, excluding countries of Japan and China.
 - * Period: from January to December in the calendar year
 - * The AC demand in and before 2016 have been revised and adjusted as necessary.
 - * PAC demand includes VRF systems demand until 2015, since then PAC total is added before the page of the breakdown for PAC demand.
- The VRF demand in each country is shown only if country demand exceeds 3,000 units.

(1) Overall AC demand

(in thousands)

	2012	2013	2014	2015	2016	2017
World total	97,593	104,367	103,779	99,355	102,312	110,559
Japan	9,271	9,817	9,336	8,899	9,146	9,744
Overseas	88,322	94,550	94,443	90,456	93,166	100,815
China	39,843	43,308	42,477	39,222	40,587	45,945
Asian countries	13,065	13,672	14,538	15,146	16,411	17,300
India	3,500	3,633	3,862	4,063	4,507	5,146
Indonesia	2,030	2,246	2,286	2,202	2,300	2,337
Vietnam	917	998	1,229	1,607	1,984	1,943
Thailand	1,112	1,163	1,315	1,388	1,561	1,480
South Korea	1,190	1,236	1,236	1,253	1,252	1,263
Taiwan	987	952	1,014	1,014	1,005	1,090
Malaysia	871	902	898	878	936	970
Philippines	611	664	687	717	800	867
Pakistan	623	613	672	675	720	774
Hong Kong incl. Macao	538	539	538	531	530	585
Myanmar	80	123	180	181	206	224
Bangladesh	164	156	170	183	185	188
Singapore	163	163	162	158	157	143
Cambodia	77	81	85	90	110	119
Sri Lanka	79	80	81	84	88	101
Others	123	123	123	123	71	73
Middle East	4,279	5,300	5,501	5,384	5,264	5,062
Saudi Arabia	1,666	2,226	2,238	2,164	1,926	1,827
UAE	493	713	737	763	731	718
Israel	516	495	495	517	729	715
Iran	447	452	562	589	577	560
Oman	217	297	321	320	296	286
Qatar	179	275	284	286	278	244
Kuwait	147	214	217	225	211	209
Iraq	296	315	320	193	187	179
Bahrain	82	82	78	77	80	81
Lebanon	68	69	77	76	80	77
Others	168	162	173	174	169	166
Europe	6,961	6,739	5,619	5,411	6,071	6,560
Italy	919	958	772	870	1,029	1,078
Russia	2,000	1,891	1,442	926	1,012	1,112
Turkey	1,107	1,027	776	787	790	839
Spain	516	510	477	644	713	749
France	355	362	348	408	453	534
Greece	278	229	180	186	210	238
Ukraine	366	339	233	184	195	199
UK	154	153	167	169	168	188
Germany	127	129	128	138	150	157
Romania	106	101	87	93	134	145
Bulgaria	113	95	88	92	105	129
Poland	70	69	77	82	92	104
Portugal	69	66	65	67	77	124
Hungary	43	45	44	49	90	93
Croatia	44	43	46	47	68	69
Sweden	55	53	57	55	60	60
Norway	66	61	56	57	57	56
Netherlands	48	49	51	51	51	63
Others	525	559	525	506	619	625
North America	13,505	14,060	14,461	14,348	14,603	15,315
USA	13,097	13,662	14,061	13,916	14,163	14,850
Canada	408	398	400	431	440	465
Latin America	7,333	7,943	8,202	7,324	6,469	6,767
Brazil	3,514	4,212	4,451	3,729	2,906	3,063
Argentina	1,352	1,302	1,299	1,195	1,062	1,095
Mexico	1,021	1,034	1,073	1,037	1,078	1,095
Venezuela	413	371	330	322	312	332
Colombia	176	187	210	235	277	286
Panama	169	170	161	161	149	183
Ecuador	100	102	103	103	128	139
Chile	128	86	71	71	113	116
Peru	111	117	115	115	113	112
Puerto Rico	129	133	134	103	103	105
Cuba	98	106	116	116	92	91
Jamaica			53	53	53	52
Others	122	123	86	83	83	97
Africa	2,417	2,555	2,595	2,526	2,633	2,578
Egypt	803	765	781	782	758	768
Nigeria	488	566	603	549	505	486
South Africa	215	221	232	225	253	249
Algeria	176	206	205	194	229	208
Libya	174	189	159	159	155	157
Morocco	131	132	135	135	130	134
Ghana	95	97	97	97	92	105
Tunisia			54	54	58	59
Others	335	379	329	329	453	410
Oceania	919	973	1,050	1,096	1,128	1,289
Australia	817	869	946	985	1,008	1,154
New Zealand	95	97	97	105	114	129
Others	7	7	7	6	6	6

(2) Room Air Conditioners (RAC)

(in thousands)

	2012	2013	2014	2015	2016	2017
World total	85,105	91,432	90,704	86,244	88,807	96,049
Japan	8,487	9,013	8,500	8,104	8,352	8,925
Overseas	76,618	82,419	82,204	78,140	80,455	87,124
China	37,756	41,148	40,325	37,103	38,409	43,487
Asian countries	11,823	12,379	13,196	13,724	14,923	15,735
India	3,333	3,446	3,674	3,847	4,282	4,890
Indonesia	1,941	2,153	2,198	2,109	2,209	2,253
Vietnam	877	956	1,178	1,546	1,912	1,863
Thailand	1,028	1,072	1,203	1,268	1,423	1,322
South Korea	622	668	668	667	666	667
Taiwan	939	901	960	959	950	1,026
Malaysia	793	821	811	789	843	881
Philippines	563	608	628	651	731	793
Pakistan	593	583	640	644	679	730
Hong Kong incl. Macao	506	506	505	499	497	553
Myanmar	74	117	174	174	197	211
Bangladesh	150	142	152	164	166	168
Singapore	141	140	135	130	129	117
Cambodia	75	78	81	85	103	111
Sri Lanka	73	73	74	77	81	94
Others	115	115	115	115	55	56
Middle East	3,681	4,667	4,843	4,699	4,607	4,422
Saudi Arabia	1,522	2,051	2,063	1,980	1,746	1,662
UAE	342	570	577	594	570	554
Israel	418	398	398	418	635	624
Iran	405	415	519	535	525	508
Oman	184	261	282	280	257	248
Qatar	148	241	252	250	243	209
Kuwait	103	163	166	173	162	161
Iraq	274	286	290	174	170	163
Bahrain	70	70	66	65	70	70
Lebanon	61	62	70	69	73	70
Others	154	150	160	161	156	153
Europe	6,269	6,048	4,974	4,731	5,366	5,834
Italy	872	915	731	821	976	1,024
Russia	1,884	1,771	1,349	861	951	1,042
Turkey	1,025	944	700	708	710	761
Spain	424	413	377	511	578	606
France	269	279	275	324	363	439
Greece	266	219	170	177	197	225
Ukraine	353	325	225	178	188	193
UK	73	73	84	80	80	98
Germany	84	84	85	92	103	114
Romania	101	96	80	85	126	137
Bulgaria	111	93	86	90	103	126
Poland	57	56	63	66	75	87
Portugal	60	59	58	60	69	115
Hungary	40	41	41	46	87	88
Croatia	41	40	43	44	65	67
Sweden	52	50	54	52	57	57
Norway	63	59	54	55	55	54
Netherlands	33	34	35	36	36	47
Others	461	497	464	445	548	554
North America	7,545	7,894	8,237	8,107	8,038	8,133
USA	7,400	7,754	8,092	7,958	7,881	7,958
Canada	145	140	145	149	157	175
Latin America	6,584	7,145	7,393	6,583	5,782	6,089
Brazil	3,147	3,809	4,028	3,349	2,578	2,758
Argentina	1,295	1,248	1,261	1,166	1,035	1,069
Mexico	850	847	882	847	891	904
Venezuela	388	349	311	303	293	313
Colombia	160	170	190	212	253	263
Panama	150	151	141	141	128	163
Ecuador	95	97	98	98	123	134
Chile	117	78	66	66	108	111
Peru	94	99	97	97	93	92
Puerto Rico	83	83	82	64	64	66
Cuba	96	104	114	114	90	89
Jamaica			43	43	43	42
Others	109	110	80	83	83	85
Africa	2,168	2,294	2,337	2,267	2,385	2,327
Egypt	733	696	717	718	695	705
Nigeria	458	533	567	517	477	456
South Africa	153	158	173	163	200	196
Algeria	165	192	191	180	215	194
Libya	171	186	156	156	152	154
Morocco	119	120	122	122	117	121
Ghana	82	84	84	84	79	91
Tunisia			44	44	48	49
Others	287	325	283	283	402	361
Oceania	792	844	899	926	946	1,097
Australia	706	756	811	830	843	982
New Zealand	80	82	82	90	97	109
Others	6	6	6	6	6	6

(3) Breakdown for RAC demand

(in thousands)

	2,015		2,016		2,017		
	Window-Type	Split-Type	Window-Type	Split-Type	Window-Type	Split-Type(single)	Split-Type(multi)
World total	13,879	72,365	13,119	75,688	13,189	79,009	3,851
Japan		8,104		8,352		8,925	
Overseas	13,879	64,261	13,119	67,336	13,189	70,084	3,851
China	303	36,800	309	38,100	309	40,600	2,578
Asian countries	1,840	11,884	1,730	13,193	1,858	13,593	284
India	705	3,142	620	3,662	718	4,081	91
Indonesia	9	2,100	9	2,200	8	2,239	6
Vietnam	2	1,544	2	1,910	2	1,844	17
Thailand	3	1,265	3	1,420	3	1,318	1
South Korea	11	656	11	655	0	667	0
Taiwan	205	754	198	752	194	755	77
Malaysia	5	784	4	839	4	869	8
Philippines	425	226	487	244	503	285	5
Pakistan	38	606	34	645	32	698	0
Hong Kong incl. Macao	312	187	299	198	332	201	20
Myanmar	4	170	4	193	5	206	0
Bangladesh	30	134	30	136	28	140	0
Singapore	5	125	4	125	3	58	56
Cambodia	1	84	1	102	1	109	1
Sri Lanka	25	52	24	57	25	67	2
Others	60	55		55	0	56	0
Middle East	2,360	2,339	2,080	2,527	2,015	2,405	2
Saudi Arabia	1,300	680	1,091	655	1,076	585	1
UAE	320	274	305	265	294	260	0
Israel	10	408	10	625	10	614	0
Iran	192	343	177	348	172	336	0
Oman	158	122	137	120	134	114	0
Qatar	156	94	151	92	121	88	0
Kuwait	92	81	85	77	84	77	0
Iraq	59	115	57	113	55	108	0
Bahrain	30	35	27	43	28	42	0
Lebanon	1	68	1	72	1	68	1
Others	42	119	39	117	40	113	0
Europe	76	4,655	66	5,300	70	5,093	671
Italy	6	815	6	970	6	788	230
Russia	19	842	14	937	15	971	56
Turkey	0	708	0	710	0	736	25
Spain	5	506	5	573	5	531	70
France	4	320	4	359	4	315	120
Greece	0	177	0	197	0	221	4
Ukraine	4	174	3	185	3	180	10
UK	1	79	1	79	1	90	7
Germany	4	88	3	100	1	89	24
Romania	1	84	1	125	1	132	4
Bulgaria	1	89	1	102	1	120	5
Poland	1	65	1	74	1	79	7
Portugal	0	60	0	69	0	87	28
Hungary	1	45	1	86	1	79	8
Croatia	1	43	1	64	1	60	6
Sweden	0	52	0	57	0	55	2
Norway	0	55	0	55	0	53	1
Netherlands	0	36	0	36	0	38	9
Others	28	417	26	522	30	469	55
North America	7,400	707	7,288	750	7,326	586	221
USA	7,335	623	7,223	658	7,261	495	202
Canada	65	84	65	92	65	91	19
Latin America	1,483	5,100	1,236	4,546	1,214	4,816	59
Brazil	685	2,664	532	2,046	499	2,234	25
Argentina	116	1,050	105	930	108	950	11
Mexico	281	566	239	652	245	640	19
Venezuela	74	229	73	220	73	240	0
Colombia	48	164	42	211	42	221	0
Panama	30	111	23	105	24	139	0
Ecuador	23	75	23	100	24	110	0
Chile	24	42	20	88	20	90	1
Peru	24	73	25	68	25	67	0
Puerto Rico	33	31	33	31	33	30	3
Cuba	100	14	76	14	76	13	0
Jamaica	23	20	23	20	23	19	0
Others	22	61	22	61	22	63	0
Africa	352	1,915	353	2,032	337	1,985	5
Egypt	80	638	80	615	81	622	2
Nigeria	92	425	75	402	63	393	0
South Africa	26	137	26	174	21	173	2
Algeria	34	146	32	183	32	162	0
Libya	13	143	10	142	10	144	0
Morocco	3	119	3	114	2	119	0
Ghana	1	83	1	78	1	90	0
Tunisia	1	43	3	45	3	46	0
Others	102	181	123	279	124	236	1
Oceania	65	861	58	888	60	1,006	31
Australia	62	768	55	788	57	896	29
New Zealand	2	88	2	95	2	105	2
Others	1	5	1	5	1	5	0

(4) Packaged Air Conditioners (PAC)

(in thousands)

	2012	2013	2014	2015	2016	2017
World total	12,488	12,935	13,075	13,110	13,505	14,511
Japan	784	804	836	795	794	819
Overseas	11,704	12,131	12,239	12,315	12,711	13,691
China	2,087	2,160	2,152	2,119	2,178	2,458
Asian countries	1,242	1,293	1,342	1,422	1,488	1,565
India	167	187	188	216	225	256
Indonesia	89	93	88	93	91	84
Vietnam	40	42	51	61	72	80
Thailand	84	91	112	120	138	158
South Korea	568	568	568	586	586	596
Taiwan	48	51	54	55	55	64
Malaysia	78	81	87	89	93	89
Philippines	48	56	59	66	69	74
Pakistan	30	30	32	31	41	44
Hong Kong incl. Macao	32	33	33	32	33	32
Myanmar	6	6	6	7	9	13
Bangladesh	14	14	18	19	19	20
Singapore	22	23	27	28	28	26
Cambodia	2	3	4	5	7	8
Sri Lanka	6	7	7	7	7	7
Others	8	8	8	8	16	17
Middle East	598	633	658	685	657	640
Saudi Arabia	144	175	175	184	180	165
UAE	151	143	160	169	161	164
Israel	98	97	97	99	94	91
Iran	42	37	43	54	52	52
Oman	33	36	39	40	39	38
Qatar	31	34	32	36	35	35
Kuwait	44	51	51	52	49	48
Iraq	22	29	30	19	17	16
Bahrain	12	12	12	12	10	11
Lebanon	7	7	7	7	7	7
Others	14	12	13	13	13	13
Europe	692	691	645	680	705	726
Italy	47	43	41	49	53	54
Russia	116	120	93	65	61	70
Turkey	82	83	76	79	80	78
Spain	92	97	100	133	135	143
France	86	83	73	84	90	95
Greece	12	10	10	9	13	13
Ukraine	13	14	8	6	7	6
UK	81	80	83	89	89	90
Germany	43	45	43	46	47	43
Romania	5	5	7	8	8	8
Bulgaria	2	2	2	2	3	3
Poland	13	13	14	16	17	17
Portugal	9	7	7	7	8	9
Hungary	3	4	3	3	3	5
Croatia	3	3	3	3	3	3
Sweden	3	3	3	3	3	3
Norway	3	2	2	2	2	2
Netherlands	15	15	16	15	15	16
Others	64	62	61	61	71	71
North America	5,960	6,166	6,224	6,241	6,565	7,182
USA	5,697	5,908	5,969	5,958	6,282	6,892
Canada	263	258	255	282	283	290
Latin America	749	798	809	741	687	678
Brazil	367	403	423	380	328	305
Argentina	57	54	38	29	27	26
Mexico	171	187	191	190	187	191
Venezuela	25	22	19	19	19	19
Colombia	16	17	20	23	24	23
Panama	19	19	20	20	21	20
Ecuador	5	5	5	5	5	5
Chile	11	8	5	5	5	5
Peru	17	18	18	18	20	20
Puerto Rico	46	50	52	39	39	39
Cuba	2	2	2	2	2	2
Jamaica			10	10	10	10
Others	13	13	6	0	0	12
Africa	249	261	258	259	248	251
Egypt	70	69	64	64	63	63
Nigeria	30	33	36	32	28	30
South Africa	62	63	59	62	53	53
Algeria	11	14	14	14	14	14
Libya	3	3	3	3	3	3
Morocco	12	12	13	13	13	13
Ghana	13	13	13	13	13	14
Tunisia			10	10	10	10
Others	48	54	46	46	51	49
Oceania	127	129	151	170	182	192
Australia	111	113	135	155	165	172
New Zealand	15	15	15	15	17	20
Others	1	1	1	0	0	0

(5) Breakdown for PAC demand

(in thousands)

PAC demand	2012	2012(VRF)	2013	2013(VRF)	2014	2014(VRF)	2015	2015(VRF)	2016	2016(VRF)	2017	2017(VRF)
World total	12,488	994	12,935	1,104	13,075	1,180	13,110	1,156	12,193	1,312	13,052	1,459
Japan	784	125	804	126	836	134	795	129	663	131	685	135
Overseas	11,704	869	12,131	978	12,239	1,046	12,315	1,027	11,530	1,181	12,367	1,324
China	2,087	500	2,160	597	2,152	653	2,119	611	1,468	710	1,640	818
Asian countries	1,242	174	1,293	171	1,342	181	1,422	195	1,268	220	1,332	233
India	167	26	187	22	188	25	216	30	193	32	221	35
Indonesia	89	6	93	7	88	9	93	7	83	8	76	8
Vietnam	40	5	42	6	51	8	61	10	60	12	64	16
Thailand	84	4	91	5	112	5	120	6	130	8	148	10
South Korea	568	101	568	100	568	100	586	103	483	103	491	105
Taiwan	48	8	51	8	54	9	55	10	45	10	52	12
Malaysia	78	5	81	5	87	5	89	6	86	7	82	7
Philippines	48	3	56	4	59	4	66	6	62	7	66	8
Pakistan	30		30		32		31		36		39	
Hong Kong incl. Mac	32	3	33	4	33	5	32	5	25	8	25	7
Myanmar	6		6		6		7		8		11	
Bangladesh	14		14		18		19		18		19	
Singapore	22	8	23	7	27	7	28	8	19	9	17	9
Cambodia	2		3		4		5		6		7	
Sri Lanka	6		7		7		7		6		6	
Others	8		8		8		8		8		8	
Middle East	598	13	633	14	658	20	685	22	633	24	614	26
Saudi Arabia	144	3	175		175	3	184	3	177	3	162	3
UAE	151	3	143	3	160	4	169	5	156	5	158	6
Israel	98		97		97	4	99	4	88	6	85	6
Iran	42		37		43		54	3	49	3	49	3
Oman	33		36		39		40		37		36	
Qatar	31		34		32		36		33		32	
Kuwait	44		51		51		52		49		48	
Iraq	22		29		30		19		16		15	
Bahrain	12		12		12		12		10		11	
Lebanon	7		7		7		7		6		6	
Others	14		12		13		13		12		12	
Europe	692	124	691	128	645	123	680	126	560	145	572	154
Italy	47	13	43	12	41	12	49	14	35	18	35	19
Russia	116	12	120	13	93	11	65	7	55	6	63	7
Turkey	82	22	83	24	76	28	79	29	47	33	46	32
Spain	92	8	97	7	100	7	133	8	125	10	132	11
France	86	15	83	15	73	15	84	17	70	20	73	22
Greece	12		10		10		9		9	4	9	4
Ukraine	13		14		8		6		6		6	
UK	81	15	80	15	83	17	89	18	70	19	71	19
Germany	43	10	45	10	43	11	46	11	35	12	31	12
Romania	5		5		7		8		7		7	
Bulgaria	2		2		2		2		2		2	
Poland	13		13	4	14	3	16	4	13	4	13	4
Portugal	9		7		7		7		5		6	
Hungary	3		4		3		3		2		3	
Croatia	3		3		3		3		2		2	
Sweden	3		3		3		3		3		3	
Norway	3		2		2		2		2		2	
Netherlands	15		15		16		15		13		13	
Others	64	18	62	18	61	11	61	11	59	12	56	15
North America	5,960	26	6,166	31	6,224	30	6,241	34	6,527	38	7,141	41
USA	5,697	22	5,908	27	5,969	27	5,958	30	6,249	33	6,856	36
Canada	263	3	258	4	255	3	282	3	278	5	285	5
Latin America	749	17	798	21	809	22	741	22	664	22	648	30
Brazil	367	8	403	12	423	13	380	12	318	10	295	10
Argentina	57		54		38		29		25		24	
Mexico	171	3	187	3	191	3	190	4	183	4	187	4
Venezuela	25		22		19		19		19		19	
Colombia	16		17		20		23		22		21	
Panama	19		19		20		20		21		19	
Ecuador	5		5		5		5		5		5	
Chile	11		8		5		5		4		4	
Peru	17		18		18		18		18		18	
Puerto Rico	46		50		52		39		38		38	
Cuba	2		2		2		2		2		2	
Jamaica					10		10		10		10	
Others	13		13		6		0				6	
Africa	249	5	261	5	258	5	259	5	242	6	243	7
Egypt	70		69		64		64		62		62	
Nigeria	30		33		36		32		28		30	
South Africa	62	3	63	3	59	3	62	3	49	4	49	4
Algeria	11		14		14		14		14		14	
Libya	3		3		3		3		3		3	
Morocco	12		12		13		13		13		13	
Ghana	13		13		13		13		13		14	
Tunisia			10		10		10		10		10	
Others	48		54		46		46		50		48	
Oceania	127	11	129	11	151	12	170	12	167	15	176	16
Australia	111	10	113	10	135	11	155	11	151	14	158	14
New Zealand	15		15		15		15		16		18	
Others	1		1		1		0		0		0	

World Air Conditioner Demand by Region

April 2018

JRAIA 一般社団法人
日本冷凍空調工業会

The Japan Refrigeration and Air Conditioning Industry Association

3-5-8, Shibakoen, Minato-ku

Tokyo, 105-0011 JAPAN

TEL : Tokyo (03)3432-1671 FAX : Tokyo (03)3438-0308

<http://www.jraia.or.jp>
