

# World Air Conditioner Demand by Region

June 2019

**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

June 2019

The Japan Refrigeration and Air Conditioning Industry Association

The Japan Refrigeration and Air Conditioning Industry Association (JRAIA) has just summarized the estimated results of 2018 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 2013 to 2018.

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 "Commercial Air Conditioners." The breakdown for RAC demand is given only from 2016 to 2018. The breakdown for Commercial Air Conditioners demand is given only from 2013 to 2018.

### 1. Overview

#### 1) Overall AC Demand

The 2018 world AC demand is estimated to reach 110.97 million units, which is the same as the previous year. When dividing the 2018 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 44.63 million units with a 3% decrease. Chinese demand occupies 40.2% of the total world demand. The second largest market is Asia, excluding Japan and China, whose demand reached 17.82 million units. The third largest market is North America, whose demand reached 15.59 million units.

Japan reached 10.52 million units, followed by Europe with 6.91 million units, and Latin America with 6.83 million units.

#### 2) "Room Air Conditioners (RAC)"

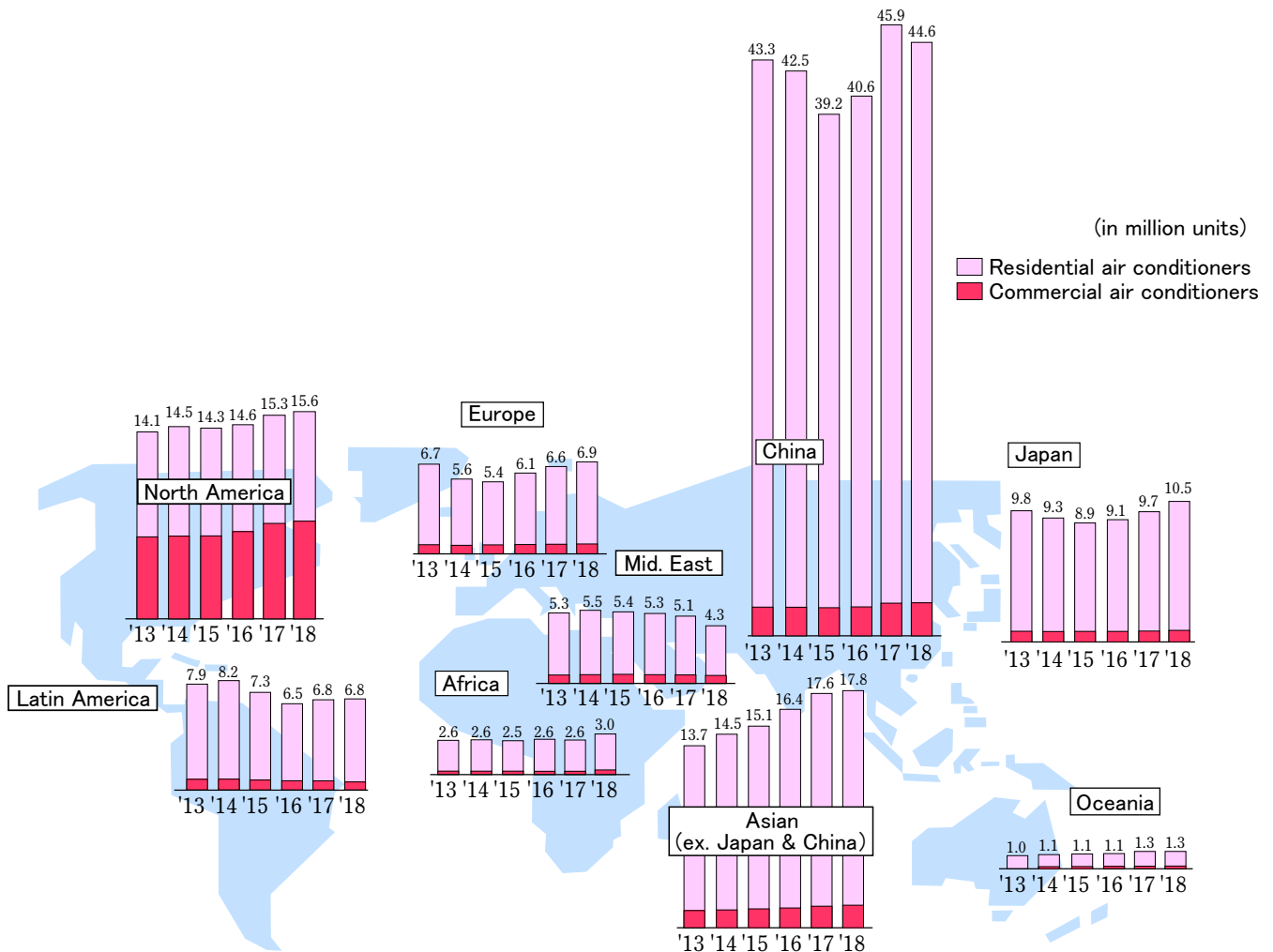
The 2018 world RAC demand is estimated to reach 96.07 million, which is the same as the previous year. The largest market is China, whose demand reached 42.15 million units with a 3% decrease. The second largest market is Asia, excluding Japan and China, whose demand reached 16.12 million units. The third largest market is Japan, whose demand reached 9.65 million units.

North America reached 8.24 million units, followed by Latin America with 6.23 million units, and Europe with 6.17 million.

### 3) “Commercial Air Conditioners”

The 2018 world Commercial Air Conditioners demand is estimated to reach 14.90 million units with a 2% increase compared with the previous year. The largest market is North America, whose demand reached 7.35 million units with a 2% increase. The second largest market is China, whose demand reached 2.48 million units. The third largest market is Asia, excluding the countries of Japan and China, whose demand reached 1.70 million units. Japan reached 0.87 million units, followed by Europe with 0.75 million units, and the Middle East with 0.6 million.

Note: The graph shows RAC and Commercial Air Conditioners demand by region



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 a hydronic system are excluded.

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

Commercial Air Conditioners 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 2017 have been revised and adjusted as necessary.
- \* The VRF demand in each country is shown only if country demand exceeds 3,000 units, but the VRF total in each area is the total demand of all countries in each area.

## (1) Overall AC demand

(in thousands)

	2013	2014	2015	2016	2017	2018	y/y
<b>World total</b>	104,367	103,790	99,355	102,312	110,972	110,971	100
Japan	9,817	9,336	8,899	9,146	9,744	10,521	108
Overseas	94,550	94,454	90,456	93,166	101,229	100,450	99
China	43,308	42,477	39,222	40,587	45,945	44,633	97
Asian countries	13,672	14,540	15,146	16,411	17,604	17,817	101
India	3,633	3,862	4,063	4,507	5,394	5,241	97
Indonesia	2,246	2,287	2,202	2,300	2,337	2,339	100
Vietnam	998	1,229	1,607	1,984	1,943	2,037	105
Thailand	1,163	1,315	1,388	1,561	1,536	1,493	97
Taiwan	952	1,014	1,014	1,005	1,090	1,097	101
Malaysia	902	898	878	936	970	1,002	103
Philippines	664	687	717	800	867	955	110
Pakistan	613	672	675	720	774	824	106
South Korea	1,236	1,236	1,253	1,252	1,263	1,263	100
Hong Kong incl. Macao	539	538	531	530	585	604	103
Myanmar	123	180	181	206	224	226	101
Bangladesh	156	170	183	185	188	202	108
Cambodia	81	85	90	110	119	130	109
Singapore	163	162	158	157	143	142	100
Sri Lanka	80	81	84	88	101	108	107
Laos			0			84	-
Others	123	123	123	71	73	69	96
Middle East	5,300	5,505	5,384	5,264	5,062	4,337	86
Saudi Arabia	2,226	2,238	2,164	1,926	1,827	1,365	75
Israel	495	495	517	729	715	753	105
Iran	452	563	589	577	560	498	89
UAE	713	739	763	731	718	606	84
Oman	297	321	320	296	286	260	91
Qatar	275	284	286	278	244	217	89
Kuwait	214	217	225	211	209	206	98
Iraq	315	320	193	187	179	157	88
Bahrain	82	78	77	80	81	74	91
Lebanon	69	77	76	80	77	67	87
Others	162	173	174	169	166	134	81
Europe	6,739	5,622	5,411	6,071	6,670	6,912	104
Russia	1,891	1,442	926	1,012	1,221	1,283	105
Italy	958	774	870	1,029	1,078	1,163	108
Turkey	1,027	776	787	790	839	706	84
Spain	510	477	644	713	749	747	100
France	362	348	408	453	534	585	110
Greece	229	180	186	210	238	243	102
Ukraine	339	233	184	195	199	197	99
Romania	101	87	93	134	145	149	103
Bulgaria	95	88	92	105	129	134	104
Germany	129	128	138	150	157	172	110
Portugal	66	65	67	77	124	131	106
UK	153	167	169	168	188	203	108
Hungary	45	44	49	90	93	110	119
Poland	69	77	82	92	104	115	111
Croatia	43	46	47	68	69	75	108
Norway	61	56	57	57	56	67	119
Sweden	53	57	55	60	60	66	109
Netherlands	49	51	51	51	63	70	112
Others	559	526	506	619	626	696	111
North America	14,060	14,461	14,348	14,603	15,315	15,589	102
USA	13,662	14,061	13,916	14,163	14,850	15,129	102
Canada	398	400	431	440	465	460	99
Latin America	7,943	8,203	7,324	6,469	6,767	6,834	101
Brazil	4,212	4,451	3,729	2,906	3,063	3,100	101
Argentina	1,302	1,299	1,195	1,062	1,095	981	90
Mexico	1,034	1,073	1,037	1,078	1,095	1,071	98
Venezuela	371	330	322	312	332	356	107
Colombia	187	210	235	277	286	323	113
Panama	170	161	161	149	183	194	106
Ecuador	102	103	103	128	139	143	103
Chile	86	71	71	113	116	134	115
Peru	117	115	115	113	112	111	99
Cuba	106	116	116	92	91	93	102
Puerto Rico	133	134	103	103	105	104	99
Jamaica		53	53	53	52	48	92
Others	123	86	83	83	97	176	182
Africa	2,555	2,597	2,526	2,633	2,578	3,036	118
Egypt	765	781	782	758	768	872	114
Nigeria	566	603	549	505	487	480	98
Algeria	206	205	194	229	208	455	218
South Africa	221	232	225	253	249	245	99
Libya	189	159	159	155	157	156	99
Morocco	132	135	135	130	134	154	115
Ghana	97	97	97	92	105	127	121
Tunisia		54	54	58	59	68	115
Others	379	329	329	453	411	479	117
Oceania	973	1,050	1,096	1,127	1,289	1,291	100
Australia	869	946	985	1,008	1,154	1,140	99
New Zealand	97	97	105	113	129	144	112
Others	7	7	6	6	6	7	117

## (2) Room Air Conditioners (RAC)

(in thousands)

	2013	2014	2015	2016	2017	2018	y/y
<b>World total</b>	91,432	90,704	86,244	88,807	96,405	96,071	100
Japan	9,013	8,500	8,104	8,352	8,924	9,650	108
Overseas	82,419	82,204	78,140	80,455	87,481	86,421	99
China	41,148	40,325	37,103	38,409	43,487	42,150	97
Asian countries	12,379	13,196	13,724	14,923	15,983	16,121	101
India	3,446	3,674	3,847	4,282	5,138	4,957	96
Indonesia	2,153	2,198	2,109	2,209	2,253	2,254	100
Vietnam	956	1,178	1,546	1,912	1,863	1,949	105
Thailand	1,072	1,203	1,268	1,423	1,322	1,267	96
Taiwan	901	960	959	950	1,026	1,037	101
Malaysia	821	811	789	843	881	914	104
Philippines	608	628	651	731	793	873	110
Pakistan	583	640	644	679	730	777	106
South Korea	668	668	667	666	667	667	100
Hong Kong incl. Macao	506	505	499	497	553	570	103
Myanmar	117	174	174	197	211	210	100
Bangladesh	142	152	164	166	168	180	107
Cambodia	78	81	85	103	111	118	106
Singapore	140	135	130	129	117	114	97
Sri Lanka	73	74	77	81	94	101	107
Laos						76	-
Others	115	115	115	55	56	57	102
Middle East	4,667	4,843	4,699	4,607	4,422	3,737	85
Saudi Arabia	2,051	2,063	1,980	1,746	1,662	1,227	74
Israel	398	398	418	635	624	661	106
Iran	415	519	535	525	508	448	88
UAE	570	577	594	570	554	444	80
Oman	261	282	280	257	248	229	92
Qatar	241	252	250	243	209	187	89
Kuwait	163	166	173	162	161	151	94
Iraq	286	290	174	170	163	143	88
Bahrain	70	66	65	70	70	63	90
Lebanon	62	70	69	73	70	61	87
Others	150	160	161	156	153	123	80
Europe	6,048	4,974	4,731	5,366	5,943	6,165	104
Russia	1,771	1,349	861	951	1,151	1,205	105
Italy	915	731	821	976	1,024	1,103	108
Turkey	944	700	708	710	761	638	84
Spain	413	377	511	578	606	601	99
France	279	275	324	363	439	485	110
Greece	219	170	177	197	225	230	102
Ukraine	325	225	178	188	193	191	99
Romania	96	80	85	126	137	141	103
Bulgaria	93	86	90	103	126	130	103
Germany	84	85	92	103	114	130	114
Portugal	59	58	60	69	115	122	106
UK	73	84	80	80	98	110	112
Hungary	41	41	46	87	88	105	119
Poland	56	63	66	75	87	97	111
Croatia	40	43	44	65	67	72	108
Norway	59	54	55	55	54	65	120
Sweden	50	54	52	57	57	62	109
Netherlands	34	35	36	36	47	54	115
Others	497	464	445	548	554	624	113
North America	7,894	8,237	8,107	8,038	8,133	8,240	101
USA	7,754	8,092	7,958	7,881	7,958	8,056	101
Canada	140	145	149	157	175	184	105
Latin America	7,145	7,393	6,583	5,782	6,089	6,235	102
Brazil	3,809	4,028	3,349	2,578	2,758	2,811	102
Argentina	1,248	1,261	1,166	1,035	1,069	957	90
Mexico	847	882	847	891	904	911	101
Venezuela	349	311	303	293	313	338	108
Colombia	170	190	212	253	263	304	116
Panama	151	141	141	128	163	178	109
Ecuador	97	98	98	123	134	139	104
Chile	78	66	66	108	111	129	116
Peru	99	97	97	93	92	95	103
Cuba	104	114	114	90	89	91	102
Puerto Rico	83	82	64	64	66	77	117
Jamaica		43	43	43	42	41	98
Others	110	80	83	83	85	164	193
Africa	2,294	2,337	2,267	2,385	2,327	2,687	115
Egypt	696	717	718	695	705	761	108
Nigeria	533	567	517	477	456	444	97
Algeria	192	191	180	215	194	411	212
South Africa	158	173	163	200	196	195	99
Libya	186	156	156	152	154	141	92
Morocco	120	122	122	117	121	137	113
Ghana	84	84	84	79	91	113	124
Tunisia		44	44	48	49	59	120
Others	325	283	283	402	361	426	118
Oceania	844	899	926	946	1,097	1,086	99
Australia	756	811	830	843	982	959	98
New Zealand	82	82	90	97	109	121	111
Others	6	6	6	6	6	6	100

## (3) Breakdown for RAC demand

(in thousands)

	2016		2017			2018		
	Window-Type	Split-Type	Window-Type	Split-Type(single)	Split-Type(multi)	Window-Type	Split-Type(single)	Split-Type(multi)
<b>World total</b>	13,119	75,688	13,074	79,480	3,851	12,614	79,250	4,207
Japan		8,352		8,924			9,650	
Overseas	13,119	67,336	13,074	70,556	3,851	12,614	69,600	4,207
China	309	38,100	309	40,600	2,578	301	39,000	2,849
Asian countries	1,730	13,193	1,743	13,956	284	1,766	14,074	281
India	620	3,662	603	4,444	91	571	4,316	70
Indonesia	9	2,200	8	2,239	6	6	2,241	7
Vietnam	2	1,910	2	1,844	17	2	1,928	19
Thailand	3	1,420	3	1,318	1	2	1,264	1
Taiwan	198	752	194	755	77	192	761	84
Malaysia	4	839	4	869	8	3	903	8
Philippines	487	244	503	285	5	561	307	5
Pakistan	34	645	32	698	0	32	745	0
South Korea	11	655	0	667	0	0	667	0
Hong Kong incl. Macao	299	198	332	201	20	335	214	21
Myanmar	4	193	5	206	0	5	205	0
Bangladesh	30	136	28	140	0	28	152	0
Cambodia	1	102	1	109	1	1	115	2
Singapore	4	125	3	58	56	2	52	60
Sri Lanka	24	57	25	67	2	25	73	3
Laos							75	1
Others	0	55	0	56	0	1	56	0
Middle East	2,080	2,527	2,015	2,405	2	1,514	2,222	1
Saudi Arabia	1,091	655	1,076	585	1	772	455	0
Israel	10	625	10	614	0	10	651	0
Iran	177	348	172	336	0	137	311	0
UAE	305	265	294	260	0	196	248	0
Oman	137	120	134	114	0	115	114	0
Qatar	151	92	121	88	0	102	85	0
Kuwait	85	77	84	77	0	71	80	0
Iraq	57	113	55	108	0	53	90	0
Bahrain	27	43	28	42	0	27	36	0
Lebanon	1	72	1	68	1	1	59	1
Others	39	117	40	113	0	30	93	0
Europe	66	5,300	70	5,202	671	66	5,386	713
Russia	14	937	15	1,080	56	14	1,136	55
Italy	6	970	6	788	230	4	845	254
Turkey	0	710	0	736	25	0	618	20
Spain	5	573	5	531	70	5	528	68
France	4	359	4	315	120	3	344	138
Greece	0	197	0	221	4	0	226	4
Ukraine	3	185	3	180	10	4	179	8
Romania	1	125	1	132	4	1	135	5
Bulgaria	1	102	1	120	5	1	124	5
Germany	3	100	1	89	24	1	102	27
Portugal	0	69	0	87	28	0	93	29
UK	1	79	1	90	7	1	101	8
Hungary	1	86	1	79	8	1	95	9
Poland	1	74	1	79	7	1	89	7
Croatia	1	64	1	60	6	1	64	7
Norway	0	55	0	53	1	0	64	1
Sweden	0	57	0	55	2	0	60	2
Netherlands	0	36	0	38	9	0	45	9
Others	26	522	30	469	55	29	538	57
North America	7,288	750	7,326	586	221	7,367	628	245
USA	7,223	658	7,261	495	202	7,312	521	223
Canada	65	92	65	91	19	55	107	22
Latin America	1,236	4,546	1,214	4,816	59	1,197	4,975	63
Brazil	532	2,046	499	2,234	25	482	2,304	25
Argentina	105	930	108	950	11	106	843	8
Mexico	239	652	245	640	19	247	642	22
Venezuela	73	220	73	240	0	71	266	1
Colombia	42	211	42	221	0	42	261	1
Panama	23	105	24	139	0	23	154	1
Ecuador	23	100	24	110	0	24	114	1
Chile	20	88	20	90	1	21	107	1
Peru	25	68	25	67	0	26	69	0
Cuba	76	14	76	13	0	76	15	0
Puerto Rico	33	31	33	30	3	34	40	3
Jamaica	23	20	23	19	0	23	18	0
Others	22	61	22	63	0	22	142	0
Africa	353	2,032	337	1,985	5	349	2,314	24
Egypt	80	615	81	622	2	86	673	2
Nigeria	75	402	63	393	0	58	386	0
Algeria	32	183	32	162	0	34	364	13
South Africa	26	174	21	173	2	13	180	2
Libya	10	142	10	144	0	11	130	0
Morocco	3	114	2	119	0	2	131	4
Ghana	1	78	1	90	0	1	112	0
Tunisia	3	45	3	46	0	3	54	2
Others	123	279	124	236	1	141	284	1
Oceania	58	888	60	1,006	31	54	1,001	31
Australia	55	788	57	896	29	52	879	28
New Zealand	2	95	2	105	2	1	117	3
Others	1	5	1	5	0	1	5	0

#### (4) Commercial Air Conditioners

(in thousands)

	2013	2014	2015	2016	2017	2018	y/y
<b>World total</b>	12,935	13,086	13,111	13,505	14,567	14,900	102
Japan	804	836	795	794	820	871	106
Overseas	12,131	12,250	12,316	12,710	13,748	14,029	102
China	2,160	2,152	2,119	2,178	2,458	2,483	101
Asian countries	1,293	1,344	1,422	1,488	1,621	1,696	105
India	187	188	216	225	256	284	111
Indonesia	93	89	93	91	84	85	101
Vietnam	42	51	61	72	80	88	110
Thailand	91	112	120	138	214	226	106
Taiwan	51	54	55	55	64	60	94
Malaysia	81	87	89	93	89	88	99
Philippines	56	59	66	69	74	82	112
Pakistan	30	32	31	41	44	47	105
South Korea	568	568	586	586	596	596	100
Hong Kong incl. Macao	33	33	32	33	32	34	108
Myanmar	6	6	7	9	13	16	127
Bangladesh	14	18	19	19	20	22	111
Cambodia	3	4	5	7	8	12	146
Singapore	23	27	28	28	26	28	110
Sri Lanka	7	7	7	7	7	7	101
Laos						8	-
Others	8	8	8	16	17	12	75
Middle East	633	662	685	657	640	600	94
Saudi Arabia	175	175	184	180	165	138	83
Israel	97	97	99	94	91	92	101
Iran	37	44	54	52	52	50	95
UAE	143	162	169	161	164	162	99
Oman	36	39	40	39	38	31	81
Qatar	34	32	36	35	35	30	86
Kuwait	51	51	52	49	48	55	114
Iraq	29	30	19	17	16	14	90
Bahrain	12	12	12	10	11	11	97
Lebanon	7	7	7	7	7	6	85
Others	12	13	13	13	13	11	88
Europe	691	648	680	705	727	747	103
Russia	120	93	65	61	70	78	112
Italy	43	43	49	53	54	60	112
Turkey	83	76	79	80	78	68	88
Spain	97	100	133	135	143	146	102
France	83	73	84	90	95	100	105
Greece	10	10	9	13	13	13	102
Ukraine	14	8	6	7	6	6	100
Romania	5	7	8	8	8	8	100
Bulgaria	2	2	2	3	3	4	160
Germany	45	43	46	47	43	42	98
Portugal	7	7	7	8	9	9	101
UK	80	83	89	89	90	93	104
Hungary	4	3	3	3	5	5	109
Poland	13	14	16	17	17	18	108
Croatia	3	3	3	3	3	3	120
Norway	2	2	2	2	2	2	91
Sweden	3	3	3	3	3	4	121
Netherlands	15	16	15	15	16	16	102
Others	62	62	61	71	72	72	101
North America	6,166	6,224	6,241	6,565	7,182	7,349	102
USA	5,908	5,969	5,958	6,282	6,892	7,073	103
Canada	258	255	282	283	290	276	95
Latin America	798	810	741	687	678	599	88
Brazil	403	423	380	328	305	289	95
Argentina	54	38	29	27	26	24	91
Mexico	187	191	190	187	191	160	84
Venezuela	22	19	19	19	19	18	93
Colombia	17	20	23	24	23	19	82
Panama	19	20	20	21	20	16	80
Ecuador	5	5	5	5	5	4	75
Chile	8	5	5	5	5	5	94
Peru	18	18	18	20	20	16	81
Cuba	2	2	2	2	2	2	100
Puerto Rico	50	52	39	39	39	27	69
Jamaica		10	10	10	10	7	67
Others	13	6	0	0	12	12	103
Africa	261	260	259	249	251	349	139
Egypt	69	64	64	63	63	111	176
Nigeria	33	36	32	28	31	36	115
Algeria	14	14	14	14	14	44	308
South Africa	63	59	62	53	53	50	95
Libya	3	3	3	3	3	15	469
Morocco	12	13	13	13	13	17	129
Ghana	13	13	13	13	14	14	98
Tunisia		10	10	10	10	9	88
Others	54	46	46	51	50	53	106
Oceania	129	151	170	182	192	205	107
Australia	113	135	155	165	172	181	105
New Zealand	15	15	15	17	20	23	117
Others	1	1	0	0	0	1	-



(5) Breakdown for Commercial Air conditioners demand

(in thousands)

	2013		2014		2015		2016		2017		2018	
	PAC	VRF	PAC	VRF	PAC	VRF	PAC	VRF	PAC	VRF	PAC	VRF
<b>World total</b>	11,831	1,104	11,906	1,180	11,955	1,156	12,193	1,311	13,108	1,459	13,315	1,584
Japan	678	126	702	134	666	129	663	131	685	135	724	146
Overseas	11,153	978	11,204	1,046	11,289	1,027	11,530	1,180	12,423	1,325	12,591	1,438
China	1,563	597	1,499	653	1,508	611	1,468	710	1,640	818	1,626	857
Asian countries	1,122	171	1,163	181	1,227	195	1,268	220	1,388	233	1,450	246
India	165	22	163	25	186	30	193	32	221	35	244	40
Indonesia	86	7	80	9	86	7	83	8	76	8	76	9
Vietnam	36	6	43	8	51	10	60	12	64	16	70	18
Thailand	86	5	107	5	114	6	130	8	204	10	215	11
Taiwan	43	8	45	9	45	10	45	10	52	12	47	13
Malaysia	76	5	82	5	83	6	86	7	82	7	81	7
Philippines	52	4	55	4	60	6	62	7	66	8	73	9
Pakistan	28		31		29		36	5	39	5	41	6
South Korea	469	100	469	100	483	103	483	103	491	105	491	105
Hong Kong incl. Macao	29	4	28	5	27	5	25	8	25	7	27	7
Myanmar	5		5		6		8		11		14	
Bangladesh	14		17		18		18		19		21	
Cambodia	3		4		5		6		7		10	
Singapore	16	7	20	7	20	8	19	9	17	9	18	10
Sri Lanka	7		6		6		6		6		6	
Laos												8
Others	8		8		8		8	8	8	9	8	4
Middle East	619	14	642	20	663	22	633	24	614	26	569	31
Saudi Arabia	173		172	3	181	3	177	3	162	3	134	4
Israel	95		93	4	95	4	88	6	85	6	86	6
Iran	37		42		51	3	49	3	49	3	46	4
UAE	140	3	158	4	164	5	156	5	158	6	154	8
Oman	34		37		38		37		36		29	
Qatar	33		30		34		33		32		27	3
Kuwait	50		51		52		49		48		54	
Iraq	28		29		18		16		15		13	
Bahrain	12		12		12		10		11		10	
Lebanon	6		6		6		6		6		5	
Others	12		12		12		12		12		11	
Europe	563	128	525	123	554	126	560	145	572	154	580	167
Russia	107	13	82	11	58	7	55	6	63	7	70	8
Italy	31	12	31	12	35	14	35	18	35	19	38	22
Turkey	59	24	48	28	50	29	47	33	46	32	40	28
Spain	90	7	93	7	125	8	125	10	132	11	133	13
France	68	15	58	15	67	17	70	20	73	22	75	25
Greece	8		8		8		9	4	9	4	9	4
Ukraine	13		7		5		6		6		5	
Romania	4		6		7		7		7		7	
Bulgaria	1		2		2		2		2		2	
Germany	35	10	32	11	35	11	35	12	31	12	30	12
Portugal	5		5		5		5		6		6	3
UK	65	15	66	17	71	18	70	19	71	19	74	19
Hungary	3		2		2		2		3		3	
Poland	9	4	11	3	12	4	13	4	13	4	14	4
Croatia	3		3		3		2		2		2	
Norway	2		2		2		2		2		2	
Sweden	3		3		3		3		3		3	
Netherlands	13		14		13		13		13		13	3
Others	45	17	52	10	51	10	59	12	57	15	54	18
North America	6,135	31	6,194	30	6,207	34	6,527	38	7,141	41	7,291	58
USA	5,881	27	5,942	27	5,928	30	6,249	33	6,856	36	7,021	52
Canada	254	4	252	3	279	3	278	5	285	5	270	6
Latin America	777	21	788	22	719	22	664	22	648	30	563	36
Brazil	391	12	410	13	368	12	318	10	295	10	276	13
Argentina	52		36		27		25		24		21	
Mexico	184	3	188	3	186	4	183	4	187	4	156	4
Venezuela	21		19		19		19		19		17	
Colombia	16		19		22		22		21		16	
Panama	19		20		20		21		19		14	
Ecuador	5		5		5		5		5		4	
Chile	7		4		4		4		4		4	
Peru	18		18		18		18		18		14	
Cuba	2		2		2		2		2		2	
Puerto Rico	49		51		38		38		38		26	
Jamaica			10		10		10		10		7	
Others	13		6		0				6	6	6	6
Africa	256	5	255	5	254	5	242	6	243	7	327	22
Egypt	69		64		64		62		62		108	
Nigeria	33		36		32		28		30		31	5
Algeria	14		14		14		14		14		41	
South Africa	60	3	56	3	59	3	49	4	49	4	46	4
Libya	3		3		3		3		3		14	
Morocco	12		13		13		13		13		15	
Ghana	13		13		13		13		14		12	
Tunisia			10		10		10		10		9	
Others	53	1	46		46		50		48		51	
Oceania	118	11	139	12	158	12	167	15	176	16	185	20
Australia	103	10	124	11	144	11	151	14	158	14	163	18
New Zealand	14		14		14		16		18		21	
Others	1		1		0		0		0		1	

---

## World Air Conditioner Demand by Region

June 2019

**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

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

---

