	Housing unit type							
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home		
All homes	123.53	77.07	7.45	9.34	22.84	6.83		
Air-conditioning equipment								
Uses air-conditioning equipment	109.51	69.75	6.57	7.57	19.56	6.07		
Does not use air-conditioning								
equipment	14.02	7.32	0.88	1.77	3.28	0.76		
Apartment primarily air conditioned								
by equipment that serves multiple								
units in the building								
Yes	6.85	N	N	1.39	5.46	N		
No	20.27	N	N	6.18	14.10	N		
Does not use air-conditioning								
equipment	5.05	Ν	Ν	1.77	3.28	N		
Not asked (single family and mobile								
homes)	91.35	77.07	7.45	N	N	6.83		
Main type of air-conditioning								
equipment used								
Central air-conditioning equipment								
(including central heat pump)	82.69	57.73	5.15	3.80	12.11	3.90		
Ductless heat pump (mini-split)	1.76	1.16	0.12	Q	0.36	0.08		
Window or wall air conditioner	21.43	8.92	1.07	3.41	6.18	1.84		
Portable air conditioner	2.68	1.28	0.21	0.27	0.79	0.13		
Evaporative or swamp cooler	0.95	0.66	Q	Q	0.11	0.12		
Does not use air-conditioning								
equipment	14.02	7.32	0.88	1.77	3.28	0.76		
Main air-conditioning equipment age								
Less than 2 years old	15.63	10.39	0.82	0.99	2.02	1.41		
2 to 4 years old	21.76	13.77	1.32	1.92	3.30	1.46		
5 to 9 years old	30.08	19.27	1.83	2.31	5.17	1.49		
10 to 14 years old	20.49	12.92	1.40	1.63	3.72	0.82		
15 to 19 years old	11.01	6.90	0.65	0.46	2.57	0.43		
20 or more years old	10.55	6.50	0.56					
Does not use air-conditioning	10.33	0.50	0.50	0.25	2.78	0.45		
equipment	14.02	7.32	0.88	1.77	3.28	0.76		

	Housing unit type							
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home		
All homes	123.53	77.07	7.45	9.34	22.84	6.83		
Secondary type of air-conditioning								
equipment used								
No other equipment used	100.18	62.86	6.10	7.11	18.81	5.29		
Central air-conditioning equipment								
(including central heat pump)	0.86	0.63	Q	Q	Q	0.09		
Ductless heat pump (mini-split)	0.81	0.72	Q	N	Q	Q		
Window or wall air conditioner	4.62	3.55	0.19	0.21	0.20	0.47		
Portable air conditioner	2.64	1.71	0.19	0.19	0.40	0.15		
Evaporative or swamp cooler	0.41	0.27	Q	Q	Q	Q		
Does not use air-conditioning	14.02	7 2 2	0.00	4 77	2.20	0.70		
equipment	14.02	7.32	0.88	1.77	3.28	0.76		
Number of ductless heat pump								
indoor units								
One	1.21	0.91	0.04	Q	0.17	Q		
Two	0.64	0.45	Q	Q	0.11	Q		
Three	0.32	0.19	Q	Q	Q	Q		
Four or more	0.41	0.33	Q	N	Q	Q		
Does not use a ductless heat pump	106.94	67.86	6.42	7.52	19.20	5.95		
Does not use air-conditioning								
equipment	14.02	7.32	0.88	1.77	3.28	0.76		
Number of window or wall air								
conditioners used	11.00	F 47	0.47	4 50	2.02	0.00		
One	11.90	5.17	0.47	1.58	3.83	0.86		
Two	8.24	3.80	0.41	1.29	1.86	0.88		
Inree	3.72	1.98	0.27	0.48	0.61	0.39		
Four or more Does not use window or wall air	2.18	1.52	0.12	0.27	0.09	0.18		
conditioners	83.46	57.27	5.31	3.95	13.18	3.75		
Does not use air-conditioning	00.40	57.27	5.51	3.33	13.10	5.75		
equipment	14.02	7.32	0.88	1.77	3.28	0.76		
Number of portable air conditioners								
used								
One	3.64	2.05	0.25	0.28	0.91	0.15		
Тwo	1.28	0.65	0.12	0.14	0.26	0.11		
Three	0.29	0.22	Q	Q	Q	N		
Four or more	0.10	0.08	Q	N	N	Q		
Does not use portable air		<u> </u>	- · · ·					
conditioners Does not use air-conditioning	104.20	66.75	6.18	7.11	18.37	5.79		
equipment	14.02	7.32	0.88	1.77	3.28	0.76		
equipment	14.02	/.52	0.00	1.//	5.28	0.70		

		Housing unit ty)e			
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home
All homes	123.53	77.07	7.45	9.34	22.84	6.83
Has thermostat						
Yes	109.45	72.51	6.83	7.32	17.21	5.58
Smart or internet-connected						
thermostat	12.78	10.58	0.68	0.32	0.94	0.26
Programmable thermostat	52.59	37.28	3.50	2.90	6.52	2.39
Non-programmable thermostat	44.08	24.66	2.64	4.10	9.75	2.93
No	12.73	4.04	0.53	1.85	5.09	1.22
Does not use heating or air-						
conditioning equipment	1.35	0.52	0.09	0.17	0.54	Q
Air-conditioning equipment control						
Sets one temperature and leaves it	45.04	20.02	2.70	2.02	7.00	2.00
there most of the time	45.94	30.02	2.78	2.83	7.30	3.00
Manually adjusts the temperature Programmable or smart thermostat	25.20	15.16	1.60	1.82	5.25	1.36
automatically adjusts the						
temperature	16.60	13.76	0.91	0.37	1.13	0.41
Turns equipment on or off as needed	18.71	9.58	1.12	2.12	4.78	1.10
Household does not have control over						
the air-conditioning equipment	3.04	1.19	0.15	0.42	1.09	0.19
Controls air-conditioning equipment						
some other way	Q	Q	N	Q	N	N
Does not use air-conditioning						
equipment	14.02	7.32	0.88	1.77	3.28	0.76
Summer indoor daytime						
temperature when someone is home						
69 degrees or less	22.99	12.26	1.57	2.55	5.14	1.47
70 degrees	18.42	11.17	1.06	1.39	3.58	1.22
71 to 73 degrees	24.18	16.63	1.43	1.46	3.64	1.02
74 to 76 degrees	27.17	18.26	1.59	1.23	4.87	1.23
77 to 79 degrees	11.68	8.53	0.63	0.43	1.46	0.62
80 degrees or more	5.07	2.89	0.29	0.50	0.87	0.52
Does not use air-conditioning	44.00				2.22	0.75
equipment	14.02	7.32	0.88	1.77	3.28	0.76

Apartments (5 or more unit building) 22.84	Mobile home
5 or more (5 or more unit building)	
22.84	6.83
4.05	1.35
2.86	0.97
2.55	0.88
4.84	1.20
2.17	0.70
3.08	0.98
3.28	0.76
	1.85
3.92	1.32
3.60	1.01
4.04	1.04
1.13	0.55
0.65	0.30
	0.7
3.28	0.76
N	N
N	N
N	Ν
22.04	c. 0.
22.84	6.83
N	Ν
N	Ν
N	N
22.84	6.83
	4.84 2.17 3.08 3.28 6.23 3.92 3.60 4.04 1.13 0.65 3.28 N N N N 22.84 N N N N N

	Housing unit type							
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home		
All homes	123.53	77.07	7.45	9.34	22.84	6.83		
Air-conditioned attached garage								
Yes	1.64	1.59	0.06	N	N	N		
No	46.13	42.93	3.20	N	N	N		
Not asked (air-conditioned homes								
with no attached garage)	28.54	25.23	3.31	Ν	N	N		
Not asked (un-air-conditioned homes,								
apartments, and mobile homes)	47.21	7.32	0.88	9.34	22.84	6.83		
Dehumidifier usage								
Uses a dehumidifier	20.53	17.37	1.09	0.71	0.89	0.45		
Uses only occasionally	2.95	2.20	0.19	0.21	0.22	0.12		
Uses only during summer months	8.30	7.29	0.43	0.21	0.28	0.10		
Uses about half of the year	3.14	2.64	0.17	0.11	0.11	0.11		
Uses all or almost all of the year	6.11	5.22	0.30	0.19	0.28	0.12		
Does not use a dehumidifier	103.00	59.69	6.36	8.63	21.94	6.38		
Fan types used (more than one may apply)								
Ceiling fans	89.45	63.52	5.20	4.64	11.15	4.95		
Floor or window fans	54.39	33.41	3.19	4.60	9.63	3.56		
Whole house fans	7.99	7.30	0.69	N	N	N		
Attic fans	10.72	10.25	0.47	Ν	Ν	Ν		
Number of ceiling fans used								
0	34.08	13.55	2.25	4.70	11.68	1.88		
1	19.94	9.94	1.32	1.98	5.21	1.49		
2	19.42	11.57	1.45	1.39	3.50	1.51		
3	16.02	11.20	1.11	0.88	1.87	0.96		
4 or more	34.07	30.81	1.31	0.39	0.57	0.99		
Most used ceiling fan usage								
Uses a ceiling fan	89.45	63.52	5.20	4.64	11.15	4.95		
Uses only occasionally	28.83	19.44	1.77	1.78	4.13	1.71		
Uses only during summer months	22.13	16.30	1.40	1.05	2.32	1.06		
Uses about half of the year	9.56	7.20	0.55	0.46	0.82	0.52		
Uses all or almost all of the year	28.92	20.56	1.48	1.34	3.88	1.65		
Does not use a ceiling fan	34.08	13.55	2.25	4.70	11.68	1.88		
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	Number of housing units (million)							
		Housing unit ty	be					
	Total U.S.ª		Single-family attached	Apartments (2–4 unit building)	•	Mobile home		
All homes	123.53	77.07	7.45	9.34	22.84	6.83		
Number of floor or window fans used								
0	69.14	43.66	4.26	4.74	13.21	3.27		
1	24.53	14.07	1.48	2.08	5.44	1.46		
2	18.85	11.68	1.02	1.67	3.12	1.35		
3	7.04	4.75	0.46	0.57	0.80	0.45		
4 or more	3.96	2.90	0.22	0.28	0.26	0.30		

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2020 Residential Energy Consumption Survey

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for the definitions of terms used in these tables.

^a *Total U.S.* includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.

Q = Data withheld because either the relative standard error (RSE) was greater than 50% or fewer than 10 households were in the reporting sample. N = No households in reporting sample.

		Housing unit typ				
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home
All homes	0.00	0.00	0.00	0.00	0.00	0.00
Air-conditioning equipment						
Uses air-conditioning equipment	0.35	0.35	0.98	1.57	0.85	1.18
Does not use air-conditioning						
equipment	2.70	3.35	7.28	6.69	5.10	9.41
Apartment primarily air conditioned by equipment that serves multiple units in the building						
Yes	4.12	0.00	0.00	8.87	4.32	0.00
No	1.61	0.00	0.00	2.59	1.92	0.00
Does not use air-conditioning						
equipment	3.83	0.00	0.00	6.69	5.10	0.00
Not asked (single family and mobile						
homes)	0.00	0.00	0.00	0.00	0.00	0.00
Main type of air-conditioning equipment used						
Central air-conditioning equipment						
(including central heat pump)	0.55	0.52	1.89	3.47	1.90	3.28
Ductless heat pump (mini-split)	6.82	7.31	23.68	42.72	16.87	32.76
Window or wall air conditioner	2.04	2.81	7.02	4.33	3.62	6.36
Portable air conditioner	5.77	7.66	18.49	17.29	12.62	25.09
Evaporative or swamp cooler	8.39	9.70	41.16	42.21	30.17	19.57
Does not use air-conditioning						
equipment	2.70	3.35	7.28	6.69	5.10	9.41
Main air-conditioning equipment age						
Less than 2 years old	2.46	3.08	8.75	9.36	7.20	7.33
2 to 4 years old	1.90	2.63	6.40	8.27	4.73	6.50
5 to 9 years old	1.31	1.58	4.63	6.04	4.11	7.47
10 to 14 years old	1.99	2.34	6.96	8.42	5.15	9.44
15 to 19 years old	2.71	3.51	9.65	13.75	5.34	11.80
20 or more years old	3.06	3.43	10.04	25.26	5.86	12.31
Does not use air-conditioning	5.50	313	10.04	25.20	5.50	12.51
equipment	2.70	3.35	7.28	6.69	5.10	9.41

		Housing unit typ	be			
	Total U.S.ª	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home
All homes	0.00	0.00	0.00	0.00	0.00	0.00
Secondary type of air-conditioning						
equipment used						
No other equipment used	0.46	0.55	1.43	1.74	0.97	1.62
Central air-conditioning equipment	0.70	40.40	44.22	50.07	20.05	27.22
(including central heat pump)	9.79	10.10	44.23	50.27	38.85	27.32
Ductless heat pump (mini-split)	10.68	11.73	38.78	0.00	100.96	52.48
Window or wall air conditioner	4.16	4.66	20.42	24.82	24.36	13.52
Portable air conditioner	5.52	5.64	17.66	22.74	20.14	25.74
Evaporative or swamp cooler Does not use air-conditioning	15.63	18.59	48.68	70.93	46.08	45.36
equipment	2.70	3.35	7.28	6.69	5.10	9.41
Number of ductless heat pump indoor units						
One	9.21	9.08	40.04	100.40	29.17	38.03
Two	10.49	12.41	43.23	65.19	32.93	56.20
Three	16.59	19.64	41.65	70.11	35.65	101.11
Four or more	13.67	15.25	42.43	0.00	70.83	71.62
Does not use a ductless heat pump	0.36	0.38	1.06	1.57	0.92	1.31
Does not use air-conditioning						
equipment	2.70	3.35	7.28	6.69	5.10	9.41
Number of window or wall air						
conditioners used						
One	2.62	3.36	12.03	8.58	4.86	7.92
Тwo	3.20	4.10	12.87	8.00	7.82	10.62
Three	4.52	5.87	13.77	14.19	13.69	14.50
Four or more	6.10	6.37	25.61	22.47	34.08	21.72
Does not use window or wall air						
conditioners	0.56	0.57	1.96	3.27	1.83	3.26
Does not use air-conditioning equipment	2.70	3.35	7.28	6.69	5.10	9.41
Number of portable air conditioners						
used						
One	4.80	7.01	13.76	19.02	10.31	27.54
Тwo	9.08	10.69	21.72	27.54	22.05	25.35
Three	15.80	18.97	65.40	51.92	73.13	0.00
Four or more	23.68	24.59	101.29	0.00	0.00	61.63
Does not use portable air						
conditioners	0.41	0.43	1.24	1.84	0.95	1.46
Does not use air-conditioning					- / -	
equipment	2.70	3.35	7.28	6.69	5.10	9.41

RSEs for number of housing units

		Housing unit ty				
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home
All homes	0.00	0.00	0.00	0.00	0.00	0.00
Has thermostat						
Yes	0.33	0.28	0.69	1.87	1.29	1.76
Smart or internet-connected thermostat	2.22	2.39	8.35	18.03	11.90	16.60
Programmable thermostat	0.88	1.00	3.23	4.94	3.35	4.63
Non-programmable thermostat	1.29	1.81	4.36	3.56	2.36	4.28
No	2.69	4.95	9.02	7.16	4.31	8.40
Does not use heating or air-						
conditioning equipment	8.55	11.38	32.35	28.21	14.05	60.63
Air-conditioning equipment control						
Sets one temperature and leaves it						
there most of the time	1.19	1.33	4.18	4.83	3.44	3.75
Manually adjusts the temperature Programmable or smart thermostat	1.60	1.85	5.48	7.50	4.51	7.16
automatically adjusts the						
temperature	1.72	2.02	6.93	20.44	8.92	14.74
Turns equipment on or off as needed	2.00	2.92	7.58	7.54	3.65	8.63
Household does not have control over						
the air-conditioning equipment	5.17	7.68	22.06	15.38	10.33	23.40
Controls air-conditioning equipment						
some other way	59.14	74.20	0.00	100.75	0.00	0.00
Does not use air-conditioning equipment	2.70	3.35	7.28	6.69	5.10	9.41
Summer indoor daytime						
temperature when someone is home						
69 degrees or less	1.59	2.58	5.39	4.53	3.71	6.54
70 degrees	2.04	2.62	5.85	8.89	5.05	6.64
71 to 73 degrees	1.50	1.71	5.17	7.23	5.05	8.06
74 to 76 degrees	1.47	1.49	5.08	8.65	4.47	7.50
77 to 79 degrees	2.57	2.64	8.17	17.19	8.16	12.06
80 degrees or more	3.78	5.19	15.41	15.03	10.63	10.91
Does not use air-conditioning						
aquinment	2 70	2.25	2 20	6.60	Г 10	0.41

3.35

7.28

6.69

5.10

9.41

2.70

equipment

Housing unit type								
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home		
All homes	0.00	0.00	0.00	0.00	0.00	0.00		
Summer indoor daytime temperature when no one is home								
69 degrees or less	1.89	2.69	6.73	6.70	4.46	6.46		
70 degrees	2.28	2.91	7.81	10.28	5.58	8.60		
71 to 73 degrees	1.78	1.94	5.66	8.32	5.25	8.27		
74 to 76 degrees	1.48	1.80	5.05	7.02	3.74	6.70		
77 to 79 degrees	2.05	2.48	7.15	13.46	5.95	9.20		
80 degrees or more	2.14	2.98	6.97	8.04	5.81	7.86		
Does not use air-conditioning								
equipment	2.70	3.35	7.28	6.69	5.10	9.41		
Summer indoor temperature at night								
69 degrees or less	1.28	1.81	4.83	4.23	3.06	5.44		
70 degrees	2.01	2.24	6.63	8.50	4.92	6.86		
71 to 73 degrees	1.68	1.69	6.71	7.82	5.67	9.99		
74 to 76 degrees	1.55	1.76	5.09	9.77	4.53	8.25		
77 to 79 degrees	3.09	3.29	10.81	21.92	10.02	11.76		
80 degrees or more	4.89	6.02	13.50	16.10	12.05	17.85		
Does not use air-conditioning								
equipment	2.70	3.35	7.28	6.69	5.10	9.41		
Air-conditioned basement								
Yes	1.75	1.84	7.21	0.00	0.00	0.00		
No	1.77	1.98	5.78	0.00	0.00	0.00		
Not asked (air-conditioned homes								
with no basement)	0.60	0.61	2.51	0.00	0.00	0.00		
Not asked (un-air-conditioned homes,								
apartments, and mobile homes)	0.55	3.35	7.28	0.00	0.00	0.00		
Air-conditioned attic								
Yes	5.62	5.77	18.04	0.00	0.00	0.00		
No	0.75	0.77	2.84	0.00	0.00	0.00		
Not asked (air-conditioned homes with no attic)	1.53	1.67	2.59	0.00	0.00	0.00		
	1.35	1.07	2.39	0.00	0.00	0.00		
Not asked (un-air-conditioned homes, apartments, and mobile homes)	0.55	3.35	7.28	0.00	0.00	0.00		
	0.35	5.35	1.20	0.00	0.00	0.00		

RSEs for number of housing units

RSEs for number of housing units

	Housing unit type										
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	Apartments (5 or more unit building)	Mobile home					
All homes	0.00	0.00	0.00	0.00	0.00	0.00					
Air-conditioned attached garage											
Yes	6.88	6.79	28.40	0.00	0.00	0.00					
No	0.67	0.77	3.68	0.00	0.00	0.00					
Not asked (air-conditioned homes											
with no attached garage)	1.32	1.53	3.07	0.00	0.00	0.00					
Not asked (un-air-conditioned homes,											
apartments, and mobile homes)	0.55	3.35	7.28	0.00	0.00	0.00					
Dehumidifier usage											
Uses a dehumidifier	1.57	1.84	6.26	12.03	12.77	15.72					
Uses only occasionally	5.43	6.21	20.64	25.81	24.16	29.67					
Uses only during summer months	2.63	2.78	11.40	21.60	18.84	35.66					
Uses about half of the year	5.38	5.19	17.27	30.81	33.75	27.83					
Uses all or almost all of the year	3.33	3.67	12.72	22.83	27.55	26.39					
Does not use a dehumidifier	0.31	0.54	1.08	1.00	0.52	1.11					
Fan types used (more than one may											
apply)											
Ceiling fans	0.49	0.48	2.23	3.77	2.31	2.52					
Floor or window fans	0.71	0.94	2.86	3.16	2.39	3.29					
Whole house fans	2.75	3.02	11.13	0.00	0.00	0.00					
Attic fans	2.19	2.31	10.11	0.00	0.00	0.00					
Number of ceiling fans used											
0	1.30	2.26	5.13	3.72	2.20	6.63					
1	1.98	2.68	5.82	7.50	4.20	7.53					
2	1.63	2.20	5.80	7.78	5.31	7.59					
3	1.95	2.24	6.33	11.31	7.39	8.08					
4 or more	1.16	1.11	5.92	19.72	12.81	8.81					
Most used ceiling fan usage											
Uses a ceiling fan	0.49	0.48	2.23	3.77	2.31	2.52					
Uses only occasionally	1.31	1.59	4.63	7.62	4.99	6.76					
Uses only during summer months	1.76	2.14	5.40	9.71	7.04	8.23					
Uses about half of the year	3.28	3.51	9.64	15.08	12.94	13.22					
Uses all or almost all of the year	1.36	1.69	5.87	8.10	4.73	5.63					
Does not use a ceiling fan	1.30	2.26	5.13	3.72	2.20	6.63					

		Housing unit typ	be			
	Total U.S. ^a	Single-family detached	Single-family attached	Apartments (2–4 unit building)	-	Mobile home
All homes	0.00	0.00	0.00	0.00	0.00	0.00
Number of floor or window fans used						
0	0.56	0.72	2.14	3.07	1.74	3.58
1	1.82	2.25	5.12	6.56	3.97	7.04
2	2.24	2.71	7.65	7.20	5.24	8.02
3	3.51	4.33	11.36	12.59	10.83	13.20
4 or more	4.98	5.13	16.66	19.44	24.12	18.97

RSEs for number of housing units

Data source: U.S. Energy Information Administration, Office of Energy Demand and Integrated Statistics, Form EIA-457A of the 2020 Residential Energy Consumption Survey

Notes: See RECS Terminology for the definitions of terms used in these tables.

^a *Total U.S.* includes all primary occupied housing units in the 50 states and the District of Columbia. Vacant housing units, seasonal units, second homes, military houses, and group quarters are excluded.