

HEATING VENTILATING AIR CONDITIONING GUIDE 1941

TABLE 2. CLIMATIC CONDITIONS COMPILED FROM WEATHER BUREAU RECORDS^a

COL. A	COL. B	COL. C	COL. D	COL. E	COL. F	COL. G
State	City	Average Temperature, Oct. 1-May 1	Lowest Temperature Ever Reported	Recommended Design Temperature	Average Wind Velocity Dec., Jan., Feb., Miles per Hour	Direction of Prevailing Wind, Dec., Jan., Feb.
Ala.	Birmingham	53.8	-10	10	8.5	N
	Mobile	58.9	-1	20	10.4	N
Ariz.	Flagstaff	35.8	-25	-10	7.8	SW
	Phoenix	59.5	12	25	6.4	E
Ark.	Fort Smith	50.4	-15	5	8.1	E
	Little Rock	51.6	-12	10	8.7	NW
Calif.	Los Angeles	58.5	28	30	6.3	NE
	San Francisco	54.2	27	30	7.6	N
Colo.	Denver	38.9	-29	-15	7.5	S
	Grand Junction	38.9	-21	-10	5.3	NW
Conn.	New Haven	38.4	-15	0	9.7	N
D. C.	Washington	43.4	-15	0	7.1	NW
Fla.	Jacksonville	62.0	10	25	9.2	NE
Ga.	Atlanta	51.5	-8	10	12.1	NW
	Savannah	58.5	8	15	9.5	NW
Idaho	Lewiston	42.3	-23	-5	5.3	E
	Pocatello	35.7	-28	-10	9.6	SE
Ill.	Chicago	36.4	-23	-10	12.5	W
	Springfield	39.8	-24	-10	10.1	NW
Ind.	Evansville	45.1	-16	0	9.8	S
	Indianapolis	40.3	-25	-10	11.5	SW
Iowa	Dubuque	33.9	-32	-20	7.1	NW
	Sioux City	32.6	-35	-20	11.6	NW
Kans.	Concordia	39.8	-25	-10	8.1	S
	Dodge City	41.4	-26	-10	9.8	NW
Ky.	Louisville	45.3	-20	-5	9.9	SW
La.	New Orleans	61.6	7	20	8.8	N
	Shreveport	56.2	-5	10	8.9	SE
Me.	Eastport	31.5	-23	-10	12.0	W
	Portland	33.8	-21	-10	9.2	NW
Md.	Baltimore	43.8	-7	10	7.8	NW
Mass.	Boston	38.1	-18	0	11.2	W
Mich.	Alpena	29.6	-28	-10	12.4	W
	Detroit	35.8	-24	-10	12.7	SW
	Marquette	28.3	-27	-10	11.1	NW
Minn.	Duluth	24.3	-41	-30	12.6	SW
	Minneapolis	29.4	-33	-20	11.3	NW
Miss.	Vicksburg	56.8	-1	15	8.3	SE
Mo.	St. Joseph	40.7	-24	-10	9.3	NW
	St. Louis	43.6	-22	-5	11.6	S
	Springfield	44.3	-29	-10	10.8	SE
Mont.	Billings	34.0	-49	-30		W
	Havre	27.6	-57	-30	9.5	SW
Nebr.	Lincoln	37.0	-29	-15	10.5	S
	North Platte	35.4	-35	-20	8.5	W
Nev.	Tonopah	39.4	-10	5	10.0	SE
	Winnemucca	37.9	-28	-15	8.7	NE
N. H.	Concord	33.3	-35	-20	6.6	NW
N. J.	Atlantic City	41.6	-9	5	15.9	NW
N. Y.	Albany	35.2	-24	-5	8.1	S
	Buffalo	34.8	-20	0	17.2	W
	New York	40.7	-14	0	17.1	NW
N. M.	Santa Fe	38.3	-13	0	7.8	NE

^aUnited States data from U. S. Weather Bureau.
Canadian data from Meteorological Service of Canada.

CHAPTER 5. HEATING LOAD

TABLE 2. CLIMATIC CONDITIONS COMPILED FROM WEATHER BUREAU RECORDS^a—(Concluded)

COL. A	COL. B	COL. C	COL. D	COL. E	COL. F	COL. G
State or Province	City	Average Temperature, Oct. 1-May 1	Lowest Temperature Ever Reported	Recommended Design Temperature	Average Wind Velocity Dec., Jan., Feb., Miles per Hour	Direction of Prevailing Wind, Dec., Jan., Feb.
N. C.	Raleigh	50.0	-2	15	8.2	SW
	Wilmington	54.2	5	20	8.5	SW
N. D.	Bismarck	24.6	-45	-30	9.1	NW
	Devils Lake	20.3	-44	-30	10.6	W
Ohio	Cleveland	37.2	-17	-5	13.0	SW
	Columbus	39.9	-20	-10	12.0	SW
Okla.	Oklahoma City	47.9	-17	0	12.0	N
Ore.	Baker	35.2	-24	-15	6.9	SE
	Portland	46.1	-2	10	7.5	S
Pa.	Philadelphia	42.7	-6	0	11.0	NW
	Pittsburgh	41.0	-20	-5	11.7	W
R. I.	Providence	37.2	-17	0	12.8	NW
S. C.	Charleston	57.4	7	15	10.6	SW
	Columbia	54.0	-2	10	8.1	NE
S. D.	Huron	28.2	-43	-25	10.6	NW
	Rapid City	33.4	-34	-20	8.2	W
Tenn.	Knoxville	47.9	-16	0	7.8	SW
	Memphis	51.1	-9	0	9.7	S
Texas	El Paso	53.5	-5	0	10.4	NW
	Ft. Worth	55.2	-8	0	10.4	NW
	San Antonio	60.6	4	10	8.0	NE
Utah	Modena	36.3	-24	-15	8.8	W
	Salt Lake City	40.0	-20	-10	6.7	SE
Vt.	Burlington	31.5	-29	-20	11.8	S
Va.	Lynchburg	46.8	-7	10	7.1	NW
	Norfolk	49.3	2	15	12.5	N
	Richmond	47.0	-3	10	7.9	SW
Wash.	Seattle	44.8	3	15	11.3	SE
	Spokane	37.7	-30	-15	7.1	SW
W. Va.	Elkins	39.4	-28	-10	6.6	W
	Parkersburg	42.6	-27	-10	7.5	SW
Wis.	Green Bay	30.0	-36	-20	10.4	SW
	LaCrosse	31.7	-43	-25	7.3	S
	Milwaukee	33.4	-25	-10	11.5	W
Wyo.	Lander	30.0	-40	-25	5.0	SW
	Sheridan	30.7	-41	-25	6.0	NW
Alta.	Edmonton	23.0	-57	-20	6.5	SW
B. C.	Vancouver	42.0	2	15	4.5	E
	Victoria	43.9	-1.5	15	12.5	N
Man.	Winnipeg	17.5	-47	-30	10.0	NW
N. B.	Fredericton	27.0	-35	-10	9.6	NW
N. S.	Yarmouth	35.0	-12	0	14.2	NW
Ont.	London	32.6	-27	0	10.3	SW
	Ottawa	26.5	-34	-10	8.4	NW
	Port Arthur	22.4	-37	-15	7.8	NW
	Toronto	32.9	-26.5	-5	13.0	SW
P. E. I.	Charlottetown	29.0	-27	-5	9.4	SW
Que.	Montreal	27.8	-29	-10	14.3	SW
	Quebec	24.2	-34	-10	13.6	SW
Sask.	Prince Albert	15.8	-70	-55	5.1	W
Yukon	Dawson	2.1	-68	-50	3.7	S

^aUnited States data from U. S. Weather Bureau.
Canadian data from Meteorological Service of Canada.