

Location	Climatic Conditions ¹		
	Winter (°F)	Summer (°F)	
	Design Dry Bulb	Design Dry Bulb	Design Wet Bulb
Florida			
Daytona Beach	32	92	80
Jacksonville	29	96	79
Miami	44	91	79
Orlando	35	94	79
Tallahassee	27	94	79
Tampa	36	92	79
West Palm Beach	41	92	80
Georgia			
Atlanta	17	94	77
Augusta	20	97	80
Macon	21	96	79
Savannah	24	96	80
Hawaii			
Hilo	61	84	75
Honolulu	62	87	76
Idaho			
Boise	3	96	68
Lewiston	-1	96	67
Pocatello	-8	94	64
Illinois			
Chicago	-8	91	77
Moline	-9	93	78
Springfield	-3	94	79
Indiana			
Evansville	4	95	79
Fort Wayne	-4	92	77
Indianapolis	-2	92	78
South Bend	-3	91	77
Iowa			
Burlington	-7	94	78
Des Moines	-10	94	78
Mason City	-15	90	77
Sioux City	-11	95	78

Location	Climatic Conditions ¹		
	Winter (°F)	Summer (°F)	
	Design Dry Bulb	Design Dry Bulb	Design Wet Bulb
Kansas			
Dodge City	0	100	74
Goodland	-5	99	71
Topeka	0	99	79
Kentucky			
Lexington	3	93	77
Louisville	5	95	79
Louisiana			
Baton Rouge	25	95	80
Lake Charles	27	95	80
New Orleans	29	93	81
Shreveport	20	99	79
Maine			
Bangor	-11	86	73
Portland	-6	87	74
Maryland			
Baltimore	10	94	78
Massachusetts			
Boston	6	91	75
Michigan			
Alpena	-11	89	73
Detroit	3	91	76
Flint	-4	90	76
Grand Rapids	1	91	75
Transverse City	-3	89	75
Minnesota			
Minneapolis	-16	92	77
Rochester	-17	90	77
Mississippi			
Jackson	21	97	79
Meridian	19	97	80
Missouri			
Columbia	-1	97	78
Kansas City	2	99	78
Saint Louis	2	97	78
Springfield	3	96	78

Location	Climatic Conditions ¹		
	Winter (°F)	Summer (°F)	
	Design Dry Bulb	Design Dry Bulb	Design Wet Bulb
Montana			
Billings	-15	94	67
Helena	-21	91	64
Miles City	-20	98	70
Nebraska			
Grand Island	-8	97	75
North Platte	-8	97	74
Omaha	-8	94	78
Scottsbluff	-8	95	70
Nevada			
Elko	-8	94	63
Ely	-10	89	60
Las Vegas	25	108	71
Lovelock	8	98	66
Reno	5	95	64
Tonopah	5	94	64
Winnemucca	-1	96	64
New Hampshire			
Concord	-8	90	74
New Jersey			
Newark	10	94	77
New Mexico			
Albuquerque	12	96	66
Roswell	13	100	71
Tucumcari	8	99	70
New York			
Albany	-6	91	75
Binghamton	-2	86	73
Buffalo	2	88	74
Massena	-13	86	73
New York	11	92	76
Rochester	1	91	75
Syracuse	-3	90	75
North Carolina			
Asheville	10	89	75
Charlotte	18	95	77
Greensboro	14	93	77
Raleigh	16	94	78
North Dakota			
Bismarck	-23	95	73
Fargo	-22	92	76
Minot	-24	92	72

Location	Climatic Conditions ¹		
	Winter (°F)	Summer (°F)	
	Design Dry Bulb	Design Dry Bulb	Design Wet Bulb
Ohio			
Akron	1	89	75
Cincinnati	1	92	77
Columbus	0	92	77
Dayton	-1	91	76
Toledo	-3	90	76
Youngstown	-1	88	74
Oklahoma			
Oklahoma City	9	100	78
Tulsa	8	101	79
Oregon			
Astoria	25	75	65
Medford	19	98	70
Portland	17	89	69
Salem	18	92	69
Pennsylvania			
Allentown	4	92	76
Erie	4	88	75
Harrisburg	7	94	77
Philadelphia	10	93	77
Pittsburgh	1	89	74
Rhode Island:			
Providence	5	89	75
South Carolina			
Charleston	24	93	81
Columbia	20	97	79
Greenville	18	93	77
South Dakota			
Huron	-18	96	77
Pierre	-15	99	75
Rapid City	-11	95	71
Sioux Falls	-15	94	76
Tennessee			
Chattanooga	13	96	78
Knoxville	13	94	77
Memphis	13	98	80
Nashville	9	97	78
Texas			
Abilene	15	101	75
Amarillo	6	98	71
Austin	24	100	78
Brownsville	35	94	80

Location	Climatic Conditions ¹		
	Winter (°F)	Summer (°F)	
	Design Dry Bulb	Design Dry Bulb	Design Wet Bulb
Corpus Christi	31	95	80
Dallas	18	102	78
Del Rio	26	100	79
El Paso	20	100	69
Fort Worth	17	101	78
Houston	27	96	80
Laredo	32	102	78
Lubbock	10	98	73
Lufkin	25	99	80
Midland	16	100	73
Port Arthur	27	95	81
San Angelo	18	101	75
San Antonio	25	99	77
Waco	21	101	78
Wichita Falls	14	103	77
Utah			
Cedar City	-2	93	65
Salt Lake City	3	97	66
Vermont			
Burlington	-12	88	74
Virginia			
Norfolk	20	93	79
Richmond	14	95	79
Roanoke	12	93	75
Washington			
Olympia	16	87	67
Seattle/Tacoma	21	84	66
Spokane	-6	93	65
Yakima	-2	96	68
West Virginia			
Charleston	7	92	76
Wisconsin			
Eau Claire	-15	92	77
Green Bay	-13	88	76
LaCrosse	-13	91	77
Madison	-11	91	77
Milwaukee	-8	90	76
Wyoming			
Casper	-11	92	63
Cheyenne	-9	89	63
Rock Springs	-9	86	59
Sheridan	-14	94	66

¹ Climatic conditions data derived from Table 1, 1993 ASHRAE Handbook—Fundamentals, pages 24.4-24.15

APPENDIX 4: PSYCHROMETRIC TABLE

Dew-Point Temperature (°F)															
Relative Humidity	Design Dry Bulb (Interior) Temperature (°F)														
	32°F	35°F	40°F	45°F	50°F	55°F	60°F	65°F	70°F	75°F	80°F	85°F	90°F	95°F	100°F
100%	32	35	40	45	50	55	60	65	70	75	80	85	90	95	100
90%	30	33	37	42	47	52	57	62	67	72	77	82	87	92	97
80%	27	30	34	39	44	49	54	58	64	68	73	78	83	88	93
70%	24	27	31	36	40	45	50	55	60	64	69	74	79	84	88
60%	20	24	28	32	36	41	46	51	55	60	65	69	74	79	83
50%	16	20	24	28	33	36	41	46	50	55	60	64	69	73	78
40%	12	15	18	23	27	31	35	40	45	49	53	58	62	67	71
30%	8	10	14	16	21	25	29	33	37	42	46	50	54	59	62
20%	6	7	8	9	13	16	20	24	28	31	35	40	43	48	52
10%	4	4	5	5	6	8	9	10	13	17	20	24	27	30	34

Adapted from ASHRAE Psychrometric Chart, 1993 ASHRAE Fundamentals Handbook.