



# ENERGY STAR Certified Homes

## County-Level Design Temperature Reference Guide

### Introduction

One requirement of the ENERGY STAR Certified Homes program is to use outdoor design temperatures that do not exceed the maximum cooling season temperature and minimum heating season temperature listed in this reference guide for the state and county in which the home is to be certified. Only two exceptions apply:

1. Jurisdiction-Specified Temperatures: If the outdoor design temperatures to be used in load calculations are specified by the jurisdiction where the home will be certified, then these specified temperatures shall be used.
2. Temperature Exception Request: In rare cases, the designer may believe that an exception to the limits in the reference guide are warranted for a particular state and county. If so, the designer must complete and submit a Design Temperature Exception Request, including a justification for the exception, to [energystarhomes@energystar.gov](mailto:energystarhomes@energystar.gov) for review and approval prior to the home's certification.

To obtain the most accurate load calculations, EPA recommends that designers always use the ACCA Manual J, 8th edition, 1% cooling season design temperature and 99% heating season design temperature for the weather location that is geographically closest to the home to be certified.

### How to Use this Reference Guide

1. Determine the state and county in which the home is to be certified.
2. Locate the state and county in Exhibit 1 of this document.
3. Utilize the corresponding design temperatures in the load calculations, as follows, and document the values in Item 3.3 of the HVAC Design Report:
  - a. Use a cooling season outdoor design temperature less than or equal to the 1% Cooling Temperature.
  - b. Use a heating season outdoor design temperature equal to or greater than the 99% Heating Temperature.
4. If a Condition B Climate will be used to select the cooling sizing limit, then utilize the corresponding HDD/CDD Ratio and document the value in Item 4.14.2 of the HVAC Design Report.

### Example

A home will be certified in Travis County, TX. By consulting the reference guide, we find that the cooling season outdoor design temperature limit is 98 F and the heating season outdoor design temperature limit is 30 F. This means that the designer must:

- Use a cooling season design temperature that is less than or equal to 98 F.
- Use a heating season design temperature that is equal to or greater than 30 F.
- Not use the cooling sizing limit for a Condition B Climate because the HDD/CDD Ratio is 0.2, which is < 2.0.

### Methodology

The temperatures in this reference guide utilize the 1% cooling and 99% heating design temperatures in the *ASHRAE 2013 Handbook of Fundamentals* and *Manual J Design Conditions 8<sup>th</sup> Edition*. Individual counties were assigned the design values in this document using the following logic:

- One weather station within the county. If only one weather station was present within the county's boundaries, then the cooling and heating design temperatures for that weather station were assigned to the entire county.
- Multiple weather stations within the county. If more than one weather station was present within the county's boundary, then the highest cooling and lowest heating design temperatures among the weather stations in the county were assigned to the entire county.
- No weather stations within the county. If no weather stations were present within the county's boundary, then the cooling and heating design temperatures for the closest weather station were assigned to the entire county. To determine the closest weather station, only the weather stations assigned to other counties were considered. The closest station was determined by assessing the distance between the geographic center of the county and the location of the applicable weather stations.



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## County-Level Design Temperature Reference Guide

### Design Temperatures by State & County

**Exhibit 1: Cooling and Heating Design Temperatures by State and County**

State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
<b>Alaska</b>								
Alaska	Aleutians East	59	12	70	Sand Point Alaska	Manual J	COLD BAY AK	ASHRAE
Alaska	Anchorage Municipality	72	-14	14.7	FT. RICHARDSON/BRYA AK	ASHRAE	FT. RICHARDSON/BRYA AK	ASHRAE
Alaska	Bethel	71	-33	26.2	SLEETMUTE AK	ASHRAE	SLEETMUTE AK	ASHRAE
Alaska	Bristol Bay	68	-20	23.8	KING SALMON AK	ASHRAE	KING SALMON AK	ASHRAE
Alaska	Denali	72	-36	34.0	McKinley Park Alaska	Manual J	MCKINLEY NATIONAL PK AK	ASHRAE
Alaska	Dillingham	66	-15	29.5	DILLINGHAM MUNI AK	ASHRAE	DILLINGHAM MUNI AK	ASHRAE
Alaska	Fairbanks North Star	78	-40	13.4	FAIRBANKS INTL ARPT AK	ASHRAE	FAIRBANKS/EIELSON A AK	ASHRAE
Alaska	Haines	70	4	11.8	HAINES AK	ASHRAE	HAINES AK	ASHRAE
Alaska	Hoonah-Angoon	66	8	16.3	GUSTAVUS AK	ASHRAE	GUSTAVUS AK	ASHRAE
Alaska	Juneau	70	8	13.0	JUNEAU AK	ASHRAE	Juneau International Airport Alaska	Manual J
Alaska	Kenai Peninsula	68	-20	25.0	Soldotna Alaska	Manual J	SOLDOTNA AK	ASHRAE
Alaska	Ketchikan Gateway	69	19	8.7	KETCHIKAN INTL. AK	ASHRAE	KETCHIKAN INTL. AK	ASHRAE
Alaska	Kodiak Island	65	13	20.7	Kodiak Airport Alaska	Manual J	KODIAK AK	ASHRAE
Alaska	Lake and Peninsula	67	-16	23.0	ILIAMNA/ILIAMNA AIR AK	ASHRAE	ILIAMNA/ILIAMNA AIR AK	ASHRAE
Alaska	Matanuska-Susitna	74	-19	14.0	Talkeetna State Airport Alaska	Manual J	Talkeetna State Airport Alaska	Manual J
Alaska	Nome	66	-29	189.0	Unalakleet Field Alaska	Manual J	Shishmaref Alaska	Manual J
Alaska	North Slope	67	-42	131.8	ANAKTUVUK PASS AK	ASHRAE	NUIQSUT AK	ASHRAE
Alaska	Northwest Arctic	75	-40	30.8	NOATAK AK	ASHRAE	SELAWIK AK	ASHRAE
Alaska	Petersburg	66	12	15.8	Kake Seaplane Base Alaska	Manual J	PETERSBURG AK	ASHRAE
Alaska	Prince of Wales-Hyder	70	20	9.9	ANNETTE ISLAND AK	ASHRAE	KLAWOCK AK	ASHRAE
Alaska	Sitka	64	20	11.0	Sitka Japonski Airport Alaska	Manual J	Sitka Japonski Airport Alaska	Manual J
Alaska	Skagway Municipality	69	5	12.0	Skagway Airport Alaska	Manual J	SKAGWAY AK	ASHRAE
Alaska	Southeast Fairbanks	79	-46	23.0	EAGLE AIRPORT AK	ASHRAE	Northway Airport Alaska	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Alaska	Valdez-Cordova	74	-33	25.0	Gulkana Intermediate Field Alaska	Manual J	Gulkana Intermediate Field Alaska	Manual J
Alaska	Wade Hampton	69	-20	45.5	Cape Romanzof Alaska	Manual J	EMMONAK AK	ASHRAE
Alaska	Wrangell	68	15	10.0	Wrangell Alaska	Manual J	Wrangell Alaska	Manual J
Alaska	Yakutat	64	6	26.0	YAKUTAT AK	ASHRAE	Yakutat State Airport Alaska	Manual J
Alaska	Yukon-Koyukuk	77	-44	19.8	Nenana Municipal Airport Alaska	Manual J	BETTLES AK	ASHRAE

### Alabama

Alabama	Autauga	95	27	0.4	MAXWELL AFB AL	ASHRAE	Montgomery Dannelly Field Alabama	Manual J
Alabama	Baldwin	93	29	0.3	Mobile City Office Alabama	Manual J	Mobile City Office Alabama	Manual J
Alabama	Barbour	95	24	0.4	FORT BENNING GA	ASHRAE	Columbus Lawson Air Force Base Georgia	Manual J
Alabama	Bibb	92	26	0.5	Centreville Alabama	Manual J	Centreville Alabama	Manual J
Alabama	Blount	93	24	0.5	Birmingham-Shuttlesworth International Airport Alabama	Manual J	Birmingham-Shuttlesworth International Airport Alabama	Manual J
Alabama	Bullock	91	28	0.4	AUBURN OPELIKA ROBE AL	ASHRAE	AUBURN OPELIKA ROBE AL	ASHRAE
Alabama	Butler	93	28	0.3	MIDDLETON FLD AL	ASHRAE	MIDDLETON FLD AL	ASHRAE
Alabama	Calhoun	93	25	0.5	ANNISTON METROPOLIT AL	ASHRAE	ANNISTON METROPOLIT AL	ASHRAE
Alabama	Chambers	91	28	0.4	AUBURN OPELIKA ROBE AL	ASHRAE	AUBURN OPELIKA ROBE AL	ASHRAE
Alabama	Cherokee	91	22	0.7	GADSDEN MUNI AL	ASHRAE	GADSDEN MUNI AL	ASHRAE
Alabama	Chilton	93	27	0.4	BIRMINGHAM AL	ASHRAE	BIRMINGHAM AL	ASHRAE
Alabama	Choctaw	95	26	0.4	MERIDIAN NAS MS	ASHRAE	Meridian Key Field Mississippi	Manual J
Alabama	Clarke	93	28	0.3	MIDDLETON FLD AL	ASHRAE	MIDDLETON FLD AL	ASHRAE
Alabama	Clay	94	22	0.7	Talladega Alabama	Manual J	Talladega Alabama	Manual J
Alabama	Cleburne	93	25	0.5	ANNISTON METROPOLIT AL	ASHRAE	ANNISTON METROPOLIT AL	ASHRAE
Alabama	Coffee	94	30	0.3	CAIRNS AAF AL	ASHRAE	CAIRNS AAF AL	ASHRAE
Alabama	Colbert	94	21	0.6	Florence Airport Alabama	Manual J	Florence Airport Alabama	Manual J
Alabama	Conecuh	93	28	0.3	MIDDLETON FLD AL	ASHRAE	MIDDLETON FLD AL	ASHRAE
Alabama	Coosa	93	22	0.6	Alexander City Alabama	Manual J	Alexander City Alabama	Manual J
Alabama	Covington	93	27	0.3	BOB SIKES FL	ASHRAE	BOB SIKES FL	ASHRAE
Alabama	Crenshaw	95	27	0.4	MAXWELL AFB AL	ASHRAE	Montgomery Dannelly Field Alabama	Manual J
Alabama	Cullman	93	16	0.8	Decatur Alabama	Manual J	Decatur Alabama	Manual J
Alabama	Dale	94	30	0.3	CAIRNS AAF AL	ASHRAE	CAIRNS AAF AL	ASHRAE



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Alabama	Dallas	95	26	0.4	Selma-Craig Air Force Base Alabama	Manual J	Selma-Craig Air Force Base Alabama	Manual J
Alabama	DeKalb	91	22	0.7	GADSDEN MUNI AL	ASHRAE	GADSDEN MUNI AL	ASHRAE
Alabama	Elmore	95	27	0.4	MAXWELL AFB AL	ASHRAE	Montgomery Dannelly Field Alabama	Manual J
Alabama	Escambia	93	28	0.3	MIDDLETON FLD AL	ASHRAE	MIDDLETON FLD AL	ASHRAE
Alabama	Etowah	91	22	0.7	GADSDEN MUNI AL	ASHRAE	GADSDEN MUNI AL	ASHRAE
Alabama	Fayette	94	25	0.4	TUSCALOOSA RGNL AL	ASHRAE	Tuscaloosa Municipal Airport Alabama	Manual J
Alabama	Franklin	94	21	0.6	Florence Airport Alabama	Manual J	Florence Airport Alabama	Manual J
Alabama	Geneva	94	30	0.3	CAIRNS AAF AL	ASHRAE	CAIRNS AAF AL	ASHRAE
Alabama	Greene	94	25	0.4	TUSCALOOSA RGNL AL	ASHRAE	Tuscaloosa Municipal Airport Alabama	Manual J
Alabama	Hale	94	25	0.4	TUSCALOOSA RGNL AL	ASHRAE	Tuscaloosa Municipal Airport Alabama	Manual J
Alabama	Henry	94	30	0.3	CAIRNS AAF AL	ASHRAE	CAIRNS AAF AL	ASHRAE
Alabama	Houston	93	30	0.2	MARIANNA MUNI FL	ASHRAE	MARIANNA MUNI FL	ASHRAE
Alabama	Jackson	93	13	0.9	Tullahoma Tennessee	Manual J	Tullahoma Tennessee	Manual J
Alabama	Jefferson	93	24	0.5	Birmingham-Shuttlesworth International Airport Alabama	Manual J	Birmingham-Shuttlesworth International Airport Alabama	Manual J
Alabama	Lamar	95	25	0.5	COLUMBUS AFB MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE
Alabama	Lauderdale	94	21	0.6	Florence Airport Alabama	Manual J	Florence Airport Alabama	Manual J
Alabama	Lawrence	93	16	0.8	Decatur Alabama	Manual J	Decatur Alabama	Manual J
Alabama	Lee	91	28	0.4	AUBURN OPELIKA ROBE AL	ASHRAE	AUBURN OPELIKA ROBE AL	ASHRAE
Alabama	Limestone	93	23	0.6	PRYOR FLD RGNL AL	ASHRAE	HUNTSVILLE/MADISON AL	ASHRAE
Alabama	Lowndes	95	27	0.4	MAXWELL AFB AL	ASHRAE	Montgomery Dannelly Field Alabama	Manual J
Alabama	Macon	91	28	0.4	AUBURN OPELIKA ROBE AL	ASHRAE	AUBURN OPELIKA ROBE AL	ASHRAE
Alabama	Madison	92	22	0.6	Huntsville International Airport Jones Field Alabama	Manual J	Huntsville International Airport Jones Field Alabama	Manual J
Alabama	Marengo	95	26	0.4	Selma-Craig Air Force Base Alabama	Manual J	Selma-Craig Air Force Base Alabama	Manual J
Alabama	Marion	94	21	0.6	Florence Airport Alabama	Manual J	Florence Airport Alabama	Manual J
Alabama	Marshall	91	22	0.7	GADSDEN MUNI AL	ASHRAE	GADSDEN MUNI AL	ASHRAE
Alabama	Mobile	93	29	0.3	Mobile City Office Alabama	Manual J	Mobile City Office Alabama	Manual J
Alabama	Monroe	93	28	0.3	MIDDLETON FLD AL	ASHRAE	MIDDLETON FLD AL	ASHRAE
Alabama	Montgomery	95	27	0.4	MAXWELL AFB AL	ASHRAE	Montgomery Dannelly Field Alabama	Manual J
Alabama	Morgan	93	16	0.8	Decatur Alabama	Manual J	Decatur Alabama	Manual J



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Alabama	Perry	92	26	0.5	Centreville Alabama	Manual J	Centreville Alabama	Manual J
Alabama	Pickens	94	25	0.4	TUSCALOOSA RGNL AL	ASHRAE	Tuscaloosa Municipal Airport Alabama	Manual J
Alabama	Pike	94	30	0.3	CAIRNS AAF AL	ASHRAE	CAIRNS AAF AL	ASHRAE
Alabama	Randolph	93	25	0.5	ANNISTON METROPOLIT AL	ASHRAE	ANNISTON METROPOLIT AL	ASHRAE
Alabama	Russell	95	24	0.4	FORT BENNING GA	ASHRAE	Columbus Lawson Air Force Base Georgia	Manual J
Alabama	Shelby	93	27	0.4	BIRMINGHAM AL	ASHRAE	BIRMINGHAM AL	ASHRAE
Alabama	St. Clair	94	22	0.7	Talladega Alabama	Manual J	Talladega Alabama	Manual J
Alabama	Sumter	95	26	0.4	MERIDIAN NAS MS	ASHRAE	Meridian Key Field Mississippi	Manual J
Alabama	Talladega	94	22	0.7	Talladega Alabama	Manual J	Talladega Alabama	Manual J
Alabama	Tallapoosa	93	22	0.6	Alexander City Alabama	Manual J	Alexander City Alabama	Manual J
Alabama	Tuscaloosa	94	25	0.4	TUSCALOOSA RGNL AL	ASHRAE	Tuscaloosa Municipal Airport Alabama	Manual J
Alabama	Walker	93	24	0.5	Birmingham-Shuttlesworth International Airport Alabama	Manual J	Birmingham-Shuttlesworth International Airport Alabama	Manual J
Alabama	Washington	93	29	0.3	Mobile City Office Alabama	Manual J	Mobile City Office Alabama	Manual J
Alabama	Wilcox	95	26	0.4	Selma-Craig Air Force Base Alabama	Manual J	Selma-Craig Air Force Base Alabama	Manual J
Alabama	Winston	93	16	0.8	Decatur Alabama	Manual J	Decatur Alabama	Manual J

### Arkansas

Arkansas	Arkansas	93	25	0.6	Stuttgart Arkansas	Manual J	Stuttgart Arkansas	Manual J
Arkansas	Ashley	96	27	0.5	MONTICELLO MUNI AR	ASHRAE	MONTICELLO MUNI AR	ASHRAE
Arkansas	Baxter	94	18	0.8	FLIPPIN (AWOS) AR	ASHRAE	FLIPPIN (AWOS) AR	ASHRAE
Arkansas	Benton	93	16	0.9	SMITH FLD AR	ASHRAE	ROGERS MUNI CARTER F AR	ASHRAE
Arkansas	Boone	91	16	0.9	BOONE CO AR	ASHRAE	BOONE CO AR	ASHRAE
Arkansas	Bradley	96	27	0.5	MONTICELLO MUNI AR	ASHRAE	MONTICELLO MUNI AR	ASHRAE
Arkansas	Calhoun	96	23	0.5	Camden Arkansas	Manual J	Camden Arkansas	Manual J
Arkansas	Carroll	91	16	0.9	BOONE CO AR	ASHRAE	BOONE CO AR	ASHRAE
Arkansas	Chicot	93	20	0.5	Greenville Air Force Base Mississippi	Manual J	Greenville Air Force Base Mississippi	Manual J
Arkansas	Clark	97	23	0.6	Hot Springs Arkansas	Manual J	Hot Springs Arkansas	Manual J
Arkansas	Clay	92	16	0.9	Poplar Bluff Missouri	Manual J	Poplar Bluff Missouri	Manual J
Arkansas	Cleburne	95	20	0.7	BATESVILLE RGNL AR	ASHRAE	BATESVILLE RGNL AR	ASHRAE
Arkansas	Cleveland	95	25	0.5	Pine Bluff Airport Arkansas	Manual J	Pine Bluff Airport Arkansas	Manual J



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Arkansas	Columbia	96	25	0.5	EI Dorado Goodwin Field Arkansas	Manual J	EI Dorado Goodwin Field Arkansas	Manual J
Arkansas	Conway	95	21	0.6	RUSSELLVILLE RGNL AR	ASHRAE	RUSSELLVILLE RGNL AR	ASHRAE
Arkansas	Craighead	94	19	0.7	JONESBORO MUNI AR	ASHRAE	Jonesboro Municipal Airport Arkansas	Manual J
Arkansas	Crawford	97	20	0.6	FORT SMITH MUNI AR	ASHRAE	Fort Smith Regional Airport Arkansas	Manual J
Arkansas	Crittenden	95	20	0.6	MILLINGTON MUNI ARP TN	ASHRAE	Millington Municipal Airport Tennessee	Manual J
Arkansas	Cross	94	19	0.7	JONESBORO MUNI AR	ASHRAE	Jonesboro Municipal Airport Arkansas	Manual J
Arkansas	Dallas	96	23	0.5	Camden Arkansas	Manual J	Camden Arkansas	Manual J
Arkansas	Desha	93	20	0.5	Greenville Air Force Base Mississippi	Manual J	Greenville Air Force Base Mississippi	Manual J
Arkansas	Drew	96	27	0.5	MONTICELLO MUNI AR	ASHRAE	MONTICELLO MUNI AR	ASHRAE
Arkansas	Faulkner	97	20	0.6	LITTLE ROCK AFB AR	ASHRAE	Little Rock Air Force Base Arkansas	Manual J
Arkansas	Franklin	97	20	0.6	FORT SMITH MUNI AR	ASHRAE	Fort Smith Regional Airport Arkansas	Manual J
Arkansas	Fulton	91	16	1.0	WEST PLAINS MUNI MO	ASHRAE	WEST PLAINS MUNI MO	ASHRAE
Arkansas	Garland	97	23	0.6	Hot Springs Arkansas	Manual J	Hot Springs Arkansas	Manual J
Arkansas	Grant	95	25	0.5	Pine Bluff Airport Arkansas	Manual J	Pine Bluff Airport Arkansas	Manual J
Arkansas	Greene	94	19	0.7	JONESBORO MUNI AR	ASHRAE	Jonesboro Municipal Airport Arkansas	Manual J
Arkansas	Hempstead	96	26	0.4	TEXARKANA RGNL WEBB AR	ASHRAE	Texarkana Webb Field Arkansas	Manual J
Arkansas	Hot Spring	97	23	0.6	Hot Springs Arkansas	Manual J	Hot Springs Arkansas	Manual J
Arkansas	Howard	96	25	0.5	J L HELMS SEVIER CO AR	ASHRAE	J L HELMS SEVIER CO AR	ASHRAE
Arkansas	Independence	95	20	0.7	BATESVILLE RGNL AR	ASHRAE	BATESVILLE RGNL AR	ASHRAE
Arkansas	Izard	95	20	0.7	BATESVILLE RGNL AR	ASHRAE	BATESVILLE RGNL AR	ASHRAE
Arkansas	Jackson	95	20	0.7	BATESVILLE RGNL AR	ASHRAE	BATESVILLE RGNL AR	ASHRAE
Arkansas	Jefferson	95	25	0.5	Pine Bluff Airport Arkansas	Manual J	Pine Bluff Airport Arkansas	Manual J
Arkansas	Johnson	95	21	0.6	RUSSELLVILLE RGNL AR	ASHRAE	RUSSELLVILLE RGNL AR	ASHRAE
Arkansas	Lafayette	96	26	0.4	TEXARKANA RGNL WEBB AR	ASHRAE	Texarkana Webb Field Arkansas	Manual J
Arkansas	Lawrence	93	19	0.8	Walnut Ridge Arkansas	Manual J	Walnut Ridge Arkansas	Manual J
Arkansas	Lee	94	19	0.6	Clarksdale Mississippi	Manual J	Clarksdale Mississippi	Manual J
Arkansas	Lincoln	95	25	0.5	Pine Bluff Airport Arkansas	Manual J	Pine Bluff Airport Arkansas	Manual J
Arkansas	Little River	96	26	0.4	TEXARKANA RGNL WEBB AR	ASHRAE	Texarkana Webb Field Arkansas	Manual J
Arkansas	Logan	95	21	0.6	RUSSELLVILLE RGNL AR	ASHRAE	RUSSELLVILLE RGNL AR	ASHRAE



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Arkansas	Lonoke	97	20	0.6	LITTLE ROCK AFB AR	ASHRAE	Little Rock Air Force Base Arkansas	Manual J
Arkansas	Madison	93	15	0.9	Fayetteville Drake Field Arkansas	Manual J	Fayetteville Drake Field Arkansas	Manual J
Arkansas	Marion	94	18	0.8	Flippin Arkansas	Manual J	Flippin Arkansas	Manual J
Arkansas	Miller	96	26	0.4	TEXARKANA RGNL WEBB AR	ASHRAE	Texarkana Webb Field Arkansas	Manual J
Arkansas	Mississippi	95	17	0.7	Blytheville Air Force Base Arkansas	Manual J	Eaker Air Force Base Arkansas	Manual J
Arkansas	Monroe	94	25	0.5	STUTTGART MUNI AR	ASHRAE	STUTTGART MUNI AR	ASHRAE
Arkansas	Montgomery	95	23	0.6	MOUNT IDA AR	ASHRAE	MOUNT IDA AR	ASHRAE
Arkansas	Nevada	96	23	0.5	Camden Arkansas	Manual J	Camden Arkansas	Manual J
Arkansas	Newton	91	16	0.9	BOONE CO AR	ASHRAE	BOONE CO AR	ASHRAE
Arkansas	Ouachita	96	23	0.5	Camden Arkansas	Manual J	Camden Arkansas	Manual J
Arkansas	Perry	95	21	0.6	RUSSELLVILLE RGNL AR	ASHRAE	RUSSELLVILLE RGNL AR	ASHRAE
Arkansas	Phillips	94	19	0.6	Clarksdale Mississippi	Manual J	Clarksdale Mississippi	Manual J
Arkansas	Pike	95	23	0.6	MOUNT IDA AR	ASHRAE	MOUNT IDA AR	ASHRAE
Arkansas	Poinsett	94	19	0.7	JONESBORO MUNI AR	ASHRAE	Jonesboro Municipal Airport Arkansas	Manual J
Arkansas	Polk	96	25	0.5	J L HELMS SEVIER CO AR	ASHRAE	J L HELMS SEVIER CO AR	ASHRAE
Arkansas	Pope	95	21	0.6	RUSSELLVILLE RGNL AR	ASHRAE	RUSSELLVILLE RGNL AR	ASHRAE
Arkansas	Prairie	94	25	0.5	STUTTGART MUNI AR	ASHRAE	STUTTGART MUNI AR	ASHRAE
Arkansas	Pulaski	97	20	0.6	LITTLE ROCK AFB AR	ASHRAE	Little Rock Air Force Base Arkansas	Manual J
Arkansas	Randolph	93	16	0.9	Siloam Spring Arkansas	Manual J	Siloam Spring Arkansas	Manual J
Arkansas	Saline	97	23	0.6	Hot Springs Arkansas	Manual J	Hot Springs Arkansas	Manual J
Arkansas	Scott	97	20	0.6	FORT SMITH MUNI AR	ASHRAE	Fort Smith Regional Airport Arkansas	Manual J
Arkansas	Searcy	94	18	0.8	Flippin Arkansas	Manual J	Flippin Arkansas	Manual J
Arkansas	Sebastian	97	20	0.6	FORT SMITH MUNI AR	ASHRAE	Fort Smith Regional Airport Arkansas	Manual J
Arkansas	Sevier	96	25	0.5	J L HELMS SEVIER CO AR	ASHRAE	J L HELMS SEVIER CO AR	ASHRAE
Arkansas	Sharp	95	20	0.7	BATESVILLE RGNL AR	ASHRAE	BATESVILLE RGNL AR	ASHRAE
Arkansas	St. Francis	94	19	0.7	JONESBORO MUNI AR	ASHRAE	Jonesboro Municipal Airport Arkansas	Manual J
Arkansas	Stone	95	20	0.7	BATESVILLE RGNL AR	ASHRAE	BATESVILLE RGNL AR	ASHRAE
Arkansas	Union	96	25	0.5	EI Dorado Goodwin Field Arkansas	Manual J	EI Dorado Goodwin Field Arkansas	Manual J
Arkansas	Van Buren	95	21	0.6	RUSSELLVILLE RGNL AR	ASHRAE	RUSSELLVILLE RGNL AR	ASHRAE



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Arkansas	Washington	93	15	0.9	Fayetteville Drake Field Arkansas	Manual J	Fayetteville Drake Field Arkansas	Manual J
Arkansas	White	95	20	0.7	BATESVILLE RGNL AR	ASHRAE	BATESVILLE RGNL AR	ASHRAE
Arkansas	Woodruff	95	20	0.7	BATESVILLE RGNL AR	ASHRAE	BATESVILLE RGNL AR	ASHRAE
Arkansas	Yell	95	21	0.6	RUSSELLVILLE RGNL AR	ASHRAE	RUSSELLVILLE RGNL AR	ASHRAE
<b>Arizona</b>								
Arizona	Apache	97	-13	6.8	Dennehotso Arizona	Manual J - Micro	Maverick Arizona	Manual J - Micro
Arizona	Cochise	103	16	1.7	Cascabel Arizona	Manual J - Micro	Portal Arizona	Manual J - Micro
Arizona	Coconino	110	-3	6.8	Phantom Ranch Arizona	Manual J - Micro	Ft Valley Arizona	Manual J - Micro
Arizona	Gila	108	11	1.6	Winkelman Arizona	Manual J - Micro	Pleasant Valley Ranger Station Arizona	Manual J - Micro
Arizona	Graham	105	8	1.9	Ft Thomas Arizona	Manual J - Micro	Black River Pumps Arizona	Manual J - Micro
Arizona	Greenlee	104	7	2.0	Clifton Arizona	Manual J - Micro	Blue Arizona	Manual J - Micro
Arizona	La Paz	112	25	0.2	Ehrenburg Arizona	Manual J - Micro	Salome Arizona	Manual J - Micro
Arizona	Maricopa	111	24	0.2	Gila Bend Arizona	Manual J - Micro	Harquahala Arizona	Manual J - Micro
Arizona	Mohave	116	8	1.3	Willow Beach Arizona	Manual J - Micro	Colorado City Arizona	Manual J - Micro
Arizona	Navajo	96	-7	1.6	Holbrook Arizona	Manual J - Micro	Pinedale Arizona	Manual J - Micro
Arizona	Pima	109	22	1.3	Santa Rosa School Arizona	Manual J - Micro	Kitt Peak Arizona	Manual J - Micro
Arizona	Pinal	110	25	0.6	Casa Grande National Monument Arizona	Manual J - Micro	Willow Spring Ranch Arizona	Manual J - Micro
Arizona	Santa Cruz	105	19	0.9	Tumacacori National Monument Arizona	Manual J - Micro	San Rafael Ranch Arizona	Manual J - Micro
Arizona	Yavapai	107	11	1.6	Childs Arizona	Manual J - Micro	Groom Creek Arizona	Manual J - Micro
Arizona	Yuma	112	27	0.2	Dateland Ranch Arizona	Manual J - Micro	Tacha Arizona	Manual J - Micro
<b>California</b>								
California	Alameda	95	32	0.8	Livermore California	Manual J	Castro Valley California	Manual J - Micro
California	Alpine	88	4	11.5	Woodfords California	Manual J - Micro	Twin Lakes California	Manual J - Micro
California	Amador	102	28	1.0	Electra Power House California	Manual J - Micro	Salt Springs Power House California	Manual J - Micro



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California	Butte	102	27	1.2	Oroville Ranger Station California	Manual J - Micro	De Sabla California	Manual J - Micro
California	Calaveras	102	23	2.9	Camp Pardee California	Manual J - Micro	Calaveras Big Trees California	Manual J - Micro
California	Colusa	98	28	0.9	Williams California	Manual J - Micro	East Park Res California	Manual J - Micro
California	Contra Costa	97	27	0.6	Concord California	Manual J	Concord California	Manual J
California	Del Norte	96	27	1.4	Idlewild California	Manual J - Micro	Elk Valley California	Manual J - Micro
California	El Dorado	97	6	9.0	Placerville California	Manual J - Micro	Tahoe Valley Airport California	Manual J - Micro
California	Fresno	102	16	5.7	Clovis California	Manual J - Micro	Huntington Lake California	Manual J - Micro
California	Glenn	101	30	0.8	Orland California	Manual J - Micro	Stony Gorge Res California	Manual J - Micro
California	Humboldt	96	29	1.0	Willow Creek California	Manual J - Micro	Butler Vly California	Manual J - Micro
California	Imperial	110	33	0.1	El Centro Airport California	Manual J - Micro	Brawley 2 SW California	Manual J - Micro
California	Inyo	118	8	1.1	Death Valley California	Manual J - Micro	Deer Springs Clg California	Manual J - Micro
California	Kern	108	23	1.7	China Lake California	Manual J - Micro	Glennville California	Manual J - Micro
California	Kings	102	30	0.5	Corcoran California	Manual J - Micro	HANFORD MUNI CA	ASHRAE
California	Lake	101	26	1.2	Enterprise California	Manual J - Micro	Clearlake Highlands California	Manual J - Micro
California	Lassen	94	-4	5.8	Susanville Airport California	Manual J - Micro	Termo California	Manual J - Micro
California	Los Angeles	101	24	0.5	Palmdale City Office California	Manual J - Micro	Palmdale Airport California	Manual J
California	Madera	104	26	0.6	Friant Gov Camp California	Manual J - Micro	North Fork Ranger Station California	Manual J - Micro
California	Marin	88	32	0.7	Kentfield California	Manual J - Micro	Novato California	Manual J - Micro
California	Mariposa	98	20	4.1	Catheys Valley California	Manual J - Micro	South Entr Yosemite California	Manual J - Micro
California	Mendocino	97	26	1.2	UKIAH MUNI CA	ASHRAE	Covelo California	Manual J - Micro
California	Merced	99	31	0.5	MERCED MUNI MACREADY CA	ASHRAE	Los Banos Res California	Manual J - Micro
California	Modoc	95	0	4.0	Alturas Ranger Station California	Manual J - Micro	Alturas Ranger Station California	Manual J - Micro
California	Mono	88	-13	18.9	Mono Lake California	Manual J - Micro	Bodie California	Manual J - Micro



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California	Monterey	92	24	1.3	San Antonio Mission California	Manual J - Micro	Priest Valley California	Manual J - Micro
California	Napa	98	31	0.7	Monticello Dam California	Manual J - Micro	St. Helena California	Manual J - Micro
California	Nevada	95	-10	8.0	Grass Valley California	Manual J - Micro	Boca California	Manual J - Micro
California	Orange	102	35	0.2	Hillcrest Center California	Manual J - Micro	Hillcrest Center California	Manual J - Micro
California	Placer	103	0	6.7	Rocklin California	Manual J - Micro	Squaw Valley California	Manual J - Micro
California	Plumas	97	1	5.3	Quincy California	Manual J - Micro	Portola California	Manual J - Micro
California	Riverside	112	11	2.2	Palm Desert California	Manual J - Micro	Mount San Jacinto California	Manual J - Micro
California	Sacramento	100	31	0.6	Orangevale California	Manual J - Micro	Brannan Island California	Manual J - Micro
California	San Benito	93	29	0.7	Pinnacles NM California	Manual J - Micro	Pinnacles NM California	Manual J - Micro
California	San Bernardino	112	7	4.3	Baker California	Manual J - Micro	Big Bear Lake California	Manual J - Micro
California	San Diego	105	23	1.1	Borrego Desert Pk California	Manual J - Micro	Palomar Obsy California	Manual J - Micro
California	San Francisco	79	40	1.8	ALAMEDA(USN) CA	ASHRAE	San Francisco City Office California	Manual J
California	San Joaquin	98	30	0.5	Stockton Metropolitan Airport California	Manual J	Stockton Airport California	Manual J - Micro
California	San Luis Obispo	99	23	0.8	Camp Roberts California	Manual J - Micro	Paso Robles City Office California	Manual J - Micro
California	San Mateo	86	31	0.8	San Carlos California	Manual J - Micro	Woodside California	Manual J - Micro
California	Santa Barbara	93	24	2.0	Cuyama California	Manual J - Micro	Cuyama California	Manual J - Micro
California	Santa Clara	90	27	1.5	Gilroy California	Manual J - Micro	Mount Hamilton California	Manual J - Micro
California	Santa Cruz	87	33	0.9	Aptos California	Manual J - Micro	Ben Lomond California	Manual J - Micro
California	Shasta	102	8	6.0	REDDING MUNICIPAL CA	ASHRAE	Manzanita Lake California	Manual J - Micro
California	Sierra	94	0	4.4	Downieville Ranger Station California	Manual J - Micro	Sierraville Ranger Station California	Manual J - Micro
California	Siskiyou	96	0	3.0	Happy Camp Ranger Station California	Manual J - Micro	Mount Hebron Ranger Station California	Manual J - Micro
California	Solano	99	31	0.5	NUT TREE CA	ASHRAE	Vacaville California	Manual J - Micro
California	Sonoma	96	29	1.0	Rohnert Park California	Manual J - Micro	Rohnert Park California	Manual J - Micro



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California	Stanislaus	99	28	1.0	Turlock California	Manual J - Micro	Knights Ferry California	Manual J - Micro
California	Sutter	101	31	0.7	Yuba City California	Manual J	Yuba City California	Manual J
California	Tehama	102	14	6.2	RED BLUFF MUNICIPAL CA	ASHRAE	Mineral California	Manual J - Micro
California	Trinity	97	22	1.6	Big Bar Ranger Station California	Manual J - Micro	Weaverville Ranger Station California	Manual J - Micro
California	Tulare	102	7	8.7	Lemoncove California	Manual J - Micro	Lodgepole California	Manual J - Micro
California	Tuolumne	99	21	1.7	Sonora Ranger Station California	Manual J - Micro	Cherry Valley Dam California	Manual J - Micro
California	Ventura	95	32	0.5	Ojai California	Manual J - Micro	Ojai California	Manual J - Micro
California	Yolo	100	28	0.6	Woodland California	Manual J - Micro	Brooks Ranch California	Manual J - Micro
California	Yuba	100	25	2.4	Dobbins California	Manual J - Micro	Strawberry Valley California	Manual J - Micro

### Colorado

Colorado	Adams	91	5	1.9	DENVER/STAPLETON CO	ASHRAE	DENVER/STAPLETON CO	ASHRAE
Colorado	Alamosa	83	-10	6.0	ALAMOSA MUNI(AWOS) CO	ASHRAE	Alamosa San Luis Valley Regional Airport Colorado	Manual J
Colorado	Arapahoe	91	4	2.4	BUCKLEY AFB CO	ASHRAE	Denver Centennial Airport Colorado	Manual J
Colorado	Archuleta	88	5	3.3	DURANGO-LA PLATA CO CO	ASHRAE	DURANGO-LA PLATA CO CO	ASHRAE
Colorado	Baca	95	10	1.4	SPRINGFIELD COMANCHE CO	ASHRAE	SPRINGFIELD COMANCHE CO	ASHRAE
Colorado	Bent	98	7	1.5	Lamar Municipal Airport Colorado	Manual J	LAMAR MUNI CO	ASHRAE
Colorado	Boulder	91	0	2.2	Boulder Colorado	Manual J	Boulder Colorado	Manual J
Colorado	Broomfield	91	0	2.2	Boulder Colorado	Manual J	Boulder Colorado	Manual J
Colorado	Chaffee	81	-14	29.1	Leadville Colorado	Manual J	Leadville Colorado	Manual J
Colorado	Cheyenne	93	7	1.9	KIT CARSON COUNTY CO	ASHRAE	KIT CARSON COUNTY CO	ASHRAE
Colorado	Clear Creek	91	0	2.2	Boulder Colorado	Manual J	Boulder Colorado	Manual J
Colorado	Conejos	83	-10	6.0	ALAMOSA MUNI(AWOS) CO	ASHRAE	Alamosa San Luis Valley Regional Airport Colorado	Manual J
Colorado	Costilla	83	-10	6.0	ALAMOSA MUNI(AWOS) CO	ASHRAE	Alamosa San Luis Valley Regional Airport Colorado	Manual J
Colorado	Crowley	97	7	1.4	LA JUNTA MUNI CO	ASHRAE	La Junta Municipal Airport Colorado	Manual J
Colorado	Custer	83	-10	6.0	ALAMOSA MUNI(AWOS) CO	ASHRAE	Alamosa San Luis Valley Regional Airport Colorado	Manual J



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Colorado	Delta	91	9	2.1	MONTROSE RGNL CO	ASHRAE	MONTROSE RGNL CO	ASHRAE
Colorado	Denver	92	3	2.1	Denver International Airport Colorado	Manual J	Denver Stapleton International Airport Colorado	Manual J
Colorado	Dolores	91	7	2.6	CORTEZ MUNI CO	ASHRAE	CORTEZ MUNI CO	ASHRAE
Colorado	Douglas	91	4	2.4	BUCKLEY AFB CO	ASHRAE	Denver Centennial Airport Colorado	Manual J
Colorado	Eagle	86	-2	5.1	EAGLE CO RGNL CO	ASHRAE	Eagle Co. Airport Colorado	Manual J
Colorado	El Paso	88	7	2.5	COLORADO SPRINGS/MU CO	ASHRAE	COLORADO SPRINGS/MU CO	ASHRAE
Colorado	Elbert	90	1	3.0	LIMON MUNI CO	ASHRAE	LIMON MUNI CO	ASHRAE
Colorado	Fremont	88	7	2.5	COLORADO SPRINGS/MU CO	ASHRAE	COLORADO SPRINGS/MU CO	ASHRAE
Colorado	Garfield	93	6	2.6	Rifle Garfield Co. Regional Airport Colorado	Manual J	Colorado Springs Municipal Airport Colorado	Manual J
Colorado	Gilpin	91	0	2.2	Boulder Colorado	Manual J	Boulder Colorado	Manual J
Colorado	Grand	91	0	2.2	Boulder Colorado	Manual J	Boulder Colorado	Manual J
Colorado	Gunnison	81	-11	8.8	GUNNISON CO. (AWOS) CO	ASHRAE	GUNNISON CO. (AWOS) CO	ASHRAE
Colorado	Hinsdale	81	-11	8.8	GUNNISON CO. (AWOS) CO	ASHRAE	GUNNISON CO. (AWOS) CO	ASHRAE
Colorado	Huerfano	96	5	1.7	Pueblo Memorial Airport Colorado	Manual J	Pueblo Memorial Airport Colorado	Manual J
Colorado	Jackson	84	1	4.8	HAYDEN/YAMPA (AWOS) CO	ASHRAE	HAYDEN/YAMPA (AWOS) CO	ASHRAE
Colorado	Jefferson	91	5	1.9	DENVER/STAPLETON CO	ASHRAE	DENVER/STAPLETON CO	ASHRAE
Colorado	Kiowa	98	7	1.5	Lamar Municipal Airport Colorado	Manual J	LAMAR MUNI CO	ASHRAE
Colorado	Kit Carson	93	7	1.9	KIT CARSON COUNTY CO	ASHRAE	KIT CARSON COUNTY CO	ASHRAE
Colorado	La Plata	88	5	3.3	DURANGO-LA PLATA CO CO	ASHRAE	DURANGO-LA PLATA CO CO	ASHRAE
Colorado	Lake	81	-14	29.1	Leadville Colorado	Manual J	Leadville Colorado	Manual J
Colorado	Larimer	91	3	2.5	Fort Collins Colorado	Manual J	Fort Collins SAWRS Station Colorado	Manual J
Colorado	Las Animas	91	8	1.8	Trinidad Las Animas Co. Airport Colorado	Manual J	Trinidad Las Animas Co. Airport Colorado	Manual J
Colorado	Lincoln	90	1	3.0	Limon Colorado	Manual J	Limon Colorado	Manual J
Colorado	Logan	93	-2	2.2	Sterling Colorado	Manual J	Sterling Colorado	Manual J
Colorado	Mesa	95	10	1.5	GRAND JUNCTION/WALK CO	ASHRAE	GRAND JUNCTION/WALK CO	ASHRAE
Colorado	Mineral	81	-11	8.8	GUNNISON CO. (AWOS) CO	ASHRAE	GUNNISON CO. (AWOS) CO	ASHRAE
Colorado	Moffat	88	-9	5.7	Craig Moffat Field Colorado	Manual J	Craig Moffat Field Colorado	Manual J
Colorado	Montezuma	91	7	2.6	CORTEZ MUNI CO	ASHRAE	CORTEZ MUNI CO	ASHRAE
Colorado	Montrose	91	9	2.1	MONTROSE RGNL CO	ASHRAE	MONTROSE RGNL CO	ASHRAE



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Colorado	Morgan	91	3	2.1	COLORADO PLAINS RGNL CO	ASHRAE	COLORADO PLAINS RGNL CO	ASHRAE
Colorado	Otero	97	7	1.4	LA JUNTA MUNI CO	ASHRAE	La Junta Municipal Airport Colorado	Manual J
Colorado	Ouray	91	9	2.1	MONTROSE RGNL CO	ASHRAE	MONTROSE RGNL CO	ASHRAE
Colorado	Park	81	-14	29.1	Leadville Colorado	Manual J	Leadville Colorado	Manual J
Colorado	Phillips	93	5	2.2	SEARLE FLD NE	ASHRAE	SEARLE FLD NE	ASHRAE
Colorado	Pitkin	82	1	6.6	Aspen Pitkin Co. SAWRS Station Colorado	Manual J	ASPEN PITKIN CO SARD CO	ASHRAE
Colorado	Prowers	98	7	1.5	Lamar Municipal Airport Colorado	Manual J	LAMAR MUNI CO	ASHRAE
Colorado	Pueblo	96	5	1.7	Pueblo Memorial Airport Colorado	Manual J	Pueblo Memorial Airport Colorado	Manual J
Colorado	Rio Blanco	88	-2	4.1	MEEKER CO	ASHRAE	MEEKER CO	ASHRAE
Colorado	Rio Grande	83	-10	6.0	ALAMOSA MUNI(AWOS) CO	ASHRAE	Alamosa San Luis Valley Regional Airport Colorado	Manual J
Colorado	Routt	84	1	4.8	HAYDEN/YAMPA (AWOS) CO	ASHRAE	HAYDEN/YAMPA (AWOS) CO	ASHRAE
Colorado	Saguache	83	-10	6.0	ALAMOSA MUNI(AWOS) CO	ASHRAE	Alamosa San Luis Valley Regional Airport Colorado	Manual J
Colorado	San Juan	88	5	3.3	DURANGO-LA PLATA CO CO	ASHRAE	DURANGO-LA PLATA CO CO	ASHRAE
Colorado	San Miguel	91	9	2.1	MONTROSE RGNL CO	ASHRAE	MONTROSE RGNL CO	ASHRAE
Colorado	Sedgwick	93	5	2.2	SEARLE FLD NE	ASHRAE	SEARLE FLD NE	ASHRAE
Colorado	Summit	81	-14	29.1	Leadville Colorado	Manual J	Leadville Colorado	Manual J
Colorado	Teller	88	7	2.5	COLORADO SPRINGS/MU CO	ASHRAE	COLORADO SPRINGS/MU CO	ASHRAE
Colorado	Washington	91	3	2.1	COLORADO PLAINS RGNL CO	ASHRAE	COLORADO PLAINS RGNL CO	ASHRAE
Colorado	Weld	92	0	2.5	Greeley-Weld Co. Airport Colorado	Manual J	GREELEY WELD CO CO	ASHRAE
Colorado	Yuma	93	7	1.9	KIT CARSON COUNTY CO	ASHRAE	KIT CARSON COUNTY CO	ASHRAE

### Connecticut

Connecticut	Fairfield	85	9	2.1	Bridgeport Sikorsky Memorial Airport Connecticut	Manual J	Norwalk Connecticut	Manual J
Connecticut	Hartford	89	8	2.1	HARTFORD/BRADLEY IN CT	ASHRAE	Hartford Bradley International Airport Connecticut	Manual J
Connecticut	Litchfield	88	2	1.8	MERIDEN MARKHAM MUNI CT	ASHRAE	Waterbury Connecticut	Manual J
Connecticut	Middlesex	88	9	2.2	MERIDEN MARKHAM MUNI CT	ASHRAE	Willimantic ASOS Connecticut	Manual J
Connecticut	New Haven	88	2	1.8	MERIDEN MARKHAM MUNI CT	ASHRAE	Waterbury Connecticut	Manual J
Connecticut	New London	86	7	2.1	Norwich Connecticut	Manual J	Norwich Connecticut	Manual J



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Connecticut	Tolland	86	9	2.2	WINDHAM AIRPORT CT	ASHRAE	Willimantic ASOS Connecticut	Manual J
Connecticut	Windham	86	9	2.2	WINDHAM AIRPORT CT	ASHRAE	Willimantic ASOS Connecticut	Manual J
<b>District of Columbia</b>								
District of Columbia	District of Columbia	92	21	0.9	WASHINGTON/NATIONAL DC	ASHRAE	WASHINGTON/NATIONAL DC	ASHRAE
<b>Delaware</b>								
Delaware	Kent	90	18	1.2	Dover Air Force Base Delaware	Manual J	Dover Air Force Base Delaware	Manual J
Delaware	New Castle	89	16	1.3	WILMINGTON NEW CAST DE	ASHRAE	Wilmington New Castle Co. Airport Delaware	Manual J
Delaware	Sussex	91	19	1.1	SUSSEX CO DE	ASHRAE	Georgetown Sussex Co. Airport Delaware	Manual J
<b>Florida</b>								
Florida	Alachua	92	33	0.2	Gainesville Regional Airport Florida	Manual J	Gainesville Regional Airport Florida	Manual J
Florida	Baker	94	32	0.2	Jacksonville Cecil Field Florida	Manual J	CECIL FLD FL	ASHRAE
Florida	Bay	91	36	0.2	PANAMA CITY BAY CO FL	ASHRAE	TYNDALL AFB FL	ASHRAE
Florida	Bradford	92	33	0.2	Gainesville Regional Airport Florida	Manual J	Gainesville Regional Airport Florida	Manual J
Florida	Brevard	91	42	0.1	Melbourne Regional Airport Florida	Manual J	NASA Shuttle Facility Florida	Manual J
Florida	Broward	91	48	0.0	NORTH PERRY FL	ASHRAE	NORTH PERRY FL	ASHRAE
Florida	Calhoun	93	30	0.2	MARIANNA MUNI FL	ASHRAE	MARIANNA MUNI FL	ASHRAE
Florida	Charlotte	91	41	0.1	CHARLOTTE CO FL	ASHRAE	CHARLOTTE CO FL	ASHRAE
Florida	Citrus	91	34	0.1	HERNANDO CO FL	ASHRAE	HERNANDO CO FL	ASHRAE
Florida	Clay	94	32	0.2	Jacksonville Cecil Field Florida	Manual J	CECIL FLD FL	ASHRAE
Florida	Collier	90	47	0.0	NAPLES MUNI FL	ASHRAE	NAPLES MUNI FL	ASHRAE
Florida	Columbia	92	33	0.2	Gainesville Regional Airport Florida	Manual J	Gainesville Regional Airport Florida	Manual J
Florida	DeSoto	91	41	0.1	CHARLOTTE CO FL	ASHRAE	CHARLOTTE CO FL	ASHRAE
Florida	Dixie	92	30	0.2	CROSS CITY/CROSS CI FL	ASHRAE	CROSS CITY/CROSS CI FL	ASHRAE
Florida	Duval	94	32	0.2	Jacksonville Cecil Field Florida	Manual J	CECIL FLD FL	ASHRAE
Florida	Escambia	92	32	0.2	Pensacola Regional Airport Florida	Manual J	Pensacola Forest Sherman Naval Air Station Florida	Manual J
Florida	Flagler	91	39	0.1	Daytona Beach International Airport Florida	Manual J	Daytona Beach International Airport Florida	Manual J
Florida	Franklin	91	36	0.2	APALACHICOLA MUNI FL	ASHRAE	APALACHICOLA MUNI FL	ASHRAE
Florida	Gadsden	94	29	0.2	Tallahassee Regional Airport Florida	Manual J	TALLAHASSEE MUNICIP FL	ASHRAE



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Florida	Gilchrist	92	30	0.2	CROSS CITY/CROSS CI FL	ASHRAE	CROSS CITY/CROSS CI FL	ASHRAE
Florida	Glades	91	44	0.0	Belle Glade Florida	Manual J	Belle Glade Florida	Manual J
Florida	Gulf	86	40	0.2	Cape San Blas Florida	Manual J	Cape San Blas Florida	Manual J
Florida	Hamilton	94	31	0.2	Moody Air Force Base Valdosta Georgia	Manual J	VALDOSTA RGNL GA	ASHRAE
Florida	Hardee	91	41	0.1	Lakeland City Office Florida	Manual J	Lakeland City Office Florida	Manual J
Florida	Hendry	91	44	0.0	Belle Glade Florida	Manual J	Belle Glade Florida	Manual J
Florida	Hernando	91	34	0.1	HERNANDO CO FL	ASHRAE	HERNANDO CO FL	ASHRAE
Florida	Highlands	91	41	0.1	CHARLOTTE CO FL	ASHRAE	CHARLOTTE CO FL	ASHRAE
Florida	Hillsborough	92	43	0.1	MacDill Air Force Base Tampa Florida	Manual J	TAMPA INTL AIRPORT FL	ASHRAE
Florida	Holmes	94	30	0.3	CAIRNS AAF AL	ASHRAE	CAIRNS AAF AL	ASHRAE
Florida	Indian River	91	43	0.0	Vero Beach Municipal Airport Florida	Manual J	VERO BEACH MUNI FL	ASHRAE
Florida	Jackson	93	30	0.2	MARIANNA MUNI FL	ASHRAE	MARIANNA MUNI FL	ASHRAE
Florida	Jefferson	94	29	0.2	Tallahassee Regional Airport Florida	Manual J	TALLAHASSEE MUNICIP FL	ASHRAE
Florida	Lafayette	91	30	0.2	PERRY FOLEY FL	ASHRAE	PERRY FOLEY FL	ASHRAE
Florida	Lake	92	39	0.1	LEESBURG RGNL FL	ASHRAE	LEESBURG RGNL FL	ASHRAE
Florida	Lee	93	45	0.0	Fort Myers Page Field Florida	Manual J	Southwest Florida (Lat: 26.5;Long: 81.8) Florida	Manual J
Florida	Leon	94	29	0.2	Tallahassee Regional Airport Florida	Manual J	TALLAHASSEE MUNICIP FL	ASHRAE
Florida	Levy	92	30	0.2	CROSS CITY/CROSS CI FL	ASHRAE	CROSS CITY/CROSS CI FL	ASHRAE
Florida	Liberty	94	29	0.2	Tallahassee Regional Airport Florida	Manual J	TALLAHASSEE MUNICIP FL	ASHRAE
Florida	Madison	91	31	0.2	PERRY FOLEY FL	ASHRAE	VALDOSTA RGNL GA	ASHRAE
Florida	Manatee	91	44	0.1	SARASOTA BRADENTON FL	ASHRAE	SARASOTA BRADENTON FL	ASHRAE
Florida	Marion	92	34	0.1	Ocala Muni Florida	Manual J	OCALA INTL J TAYLOR FL	ASHRAE
Florida	Martin	90	41	0.1	ST LUCIE CO INTL FL	ASHRAE	ST LUCIE CO INTL FL	ASHRAE
Florida	Miami-Dade	91	48	0.0	KENDALL TAMIAAMI EXEC FL	ASHRAE	Miami Beach City Office Florida	Manual J
Florida	Monroe	91	55	0.0	Marathon Airport Florida	Manual J	FLORIDA KEYS MARATHO FL	ASHRAE
Florida	Nassau	94	32	0.2	Jacksonville Cecil Field Florida	Manual J	CECIL FLD FL	ASHRAE
Florida	Okaloosa	93	27	0.3	BOB SIKES FL	ASHRAE	BOB SIKES FL	ASHRAE
Florida	Okeechobee	90	41	0.1	ST LUCIE CO INTL FL	ASHRAE	ST LUCIE CO INTL FL	ASHRAE
Florida	Orange	93	42	0.1	Orlando Executive Airport Florida	Manual J	Orlando International Airport Florida	Manual J



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Florida	Osceola	91	42	0.1	Melbourne Regional Airport Florida	Manual J	Orlando International Airport Florida	Manual J
Florida	Palm Beach	91	44	0.0	Belle Glade Florida	Manual J	Belle Glade Florida	Manual J
Florida	Pasco	91	34	0.1	HERNANDO CO FL	ASHRAE	HERNANDO CO FL	ASHRAE
Florida	Pinellas	92	45	0.1	St Petersburg / Clearwater Florida	Manual J	ST PETERSBURG CLEAR FL	ASHRAE
Florida	Polk	91	41	0.1	Lakeland City Office Florida	Manual J	Lakeland City Office Florida	Manual J
Florida	Putnam	92	33	0.2	Gainesville Regional Airport Florida	Manual J	Gainesville Regional Airport Florida	Manual J
Florida	Santa Rosa	93	31	0.3	WHITING FLD NAS NORT FL	ASHRAE	Milton Whiting Field Naval Air Station Florida	Manual J
Florida	Sarasota	92	43	0.1	Sarasota/Bradenton Florida	Manual J	Sarasota/Bradenton Florida	Manual J
Florida	Seminole	93	38	0.1	Sanford Florida	Manual J	Sanford Florida	Manual J
Florida	St. Johns	90	37	0.2	ST AUGUSTINE FL	ASHRAE	ST AUGUSTINE FL	ASHRAE
Florida	St. Lucie	90	41	0.1	ST LUCIE CO INTL FL	ASHRAE	ST LUCIE CO INTL FL	ASHRAE
Florida	Sumter	92	39	0.1	LEESBURG RGNL FL	ASHRAE	LEESBURG RGNL FL	ASHRAE
Florida	Suwannee	91	30	0.2	PERRY FOLEY FL	ASHRAE	PERRY FOLEY FL	ASHRAE
Florida	Taylor	91	30	0.2	PERRY FOLEY FL	ASHRAE	PERRY FOLEY FL	ASHRAE
Florida	Union	92	33	0.2	Gainesville Regional Airport Florida	Manual J	Gainesville Regional Airport Florida	Manual J
Florida	Volusia	91	39	0.1	Daytona Beach International Airport Florida	Manual J	Daytona Beach International Airport Florida	Manual J
Florida	Wakulla	94	29	0.2	Tallahassee Regional Airport Florida	Manual J	TALLAHASSEE MUNICIP FL	ASHRAE
Florida	Walton	93	27	0.3	BOB SIKES FL	ASHRAE	BOB SIKES FL	ASHRAE
Florida	Washington	91	30	0.2	PANAMA CITY BAY CO FL	ASHRAE	MARIANNA MUNI FL	ASHRAE

### Georgia

Georgia	Appling	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Atkinson	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Bacon	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Baker	95	30	0.3	Albany Dougherty Co. Airport Georgia	Manual J	ALBANY MUNICIPAL GA	ASHRAE
Georgia	Baldwin	95	27	0.4	MACON/LEWIS B.WILSO GA	ASHRAE	Macon Middle GA. Regional Airport Georgia	Manual J
Georgia	Banks	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
Georgia	Barrow	91	28	0.6	WINDER BARROW GA	ASHRAE	WINDER BARROW GA	ASHRAE
Georgia	Bartow	91	23	0.6	CARTERSVILLE GA	ASHRAE	CARTERSVILLE GA	ASHRAE



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Georgia	Ben Hill	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Berrien	94	31	0.2	Moody Air Force Base Valdosta Georgia	Manual J	VALDOSTA RGNL GA	ASHRAE
Georgia	Bibb	95	27	0.4	MACON/LEWIS B.WILSO GA	ASHRAE	Macon Middle GA. Regional Airport Georgia	Manual J
Georgia	Bleckley	95	28	0.4	Warner Robins Air Force Base Georgia	Manual J	ROBINS AFB GA	ASHRAE
Georgia	Brantley	95	31	0.2	WAYCROSS/WARE CO. GA	ASHRAE	Waycross Ware Co. Airport Georgia	Manual J
Georgia	Brooks	94	31	0.2	Moody Air Force Base Valdosta Georgia	Manual J	VALDOSTA RGNL GA	ASHRAE
Georgia	Bryan	93	30	0.3	HUNTER AAF GA	ASHRAE	SAVANNAH MUNICIPAL GA	ASHRAE
Georgia	Bulloch	93	30	0.3	HUNTER AAF GA	ASHRAE	SAVANNAH MUNICIPAL GA	ASHRAE
Georgia	Burke	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
Georgia	Butts	90	22	0.5	Griffin Georgia	Manual J	Griffin Georgia	Manual J
Georgia	Calhoun	95	30	0.3	Albany Dougherty Co. Airport Georgia	Manual J	ALBANY MUNICIPAL GA	ASHRAE
Georgia	Camden	93	30	0.2	BRUNSWICK GOLDEN IS GA	ASHRAE	BRUNSWICK GOLDEN IS GA	ASHRAE
Georgia	Candler	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Carroll	90	21	0.8	NEWNAN COWETA CO GA	ASHRAE	NEWNAN COWETA CO GA	ASHRAE
Georgia	Catoosa	93	22	0.7	CHATTANOOGA/LOVELL TN	ASHRAE	Chattanooga Lovell Field Airport Tennessee	Manual J
Georgia	Charlton	95	31	0.2	WAYCROSS/WARE CO. GA	ASHRAE	Waycross Ware Co. Airport Georgia	Manual J
Georgia	Chatham	93	30	0.3	HUNTER AAF GA	ASHRAE	SAVANNAH MUNICIPAL GA	ASHRAE
Georgia	Chattahoochee	95	24	0.4	FORT BENNING GA	ASHRAE	Columbus Lawson Air Force Base Georgia	Manual J
Georgia	Chattooga	93	22	0.6	ROME/RUSSELL(RAMOS) GA	ASHRAE	Rome R. B. Russell Airport Georgia	Manual J
Georgia	Cherokee	91	25	0.6	MARIETTA/DOBBINS AF GA	ASHRAE	MARIETTA/DOBBINS AF GA	ASHRAE
Georgia	Clarke	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Clay	95	24	0.4	FORT BENNING GA	ASHRAE	Columbus Lawson Air Force Base Georgia	Manual J
Georgia	Clayton	92	26	0.5	Atlanta Hartsfield International Airport Georgia	Manual J	Atlanta Hartsfield International Airport Georgia	Manual J
Georgia	Clinch	95	31	0.2	WAYCROSS/WARE CO. GA	ASHRAE	Waycross Ware Co. Airport Georgia	Manual J
Georgia	Cobb	91	25	0.6	MARIETTA/DOBBINS AF GA	ASHRAE	MARIETTA/DOBBINS AF GA	ASHRAE
Georgia	Coffee	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Colquitt	95	30	0.3	Moultrie Georgia	Manual J	Moultrie Georgia	Manual J
Georgia	Columbia	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J



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Georgia	Cook	94	30	0.3	Moody Air Force Base Valdosta Georgia	Manual J	Moultrie Georgia	Manual J
Georgia	Coweta	90	21	0.8	NEWNAN COWETA CO GA	ASHRAE	NEWNAN COWETA CO GA	ASHRAE
Georgia	Crawford	95	27	0.4	MACON/LEWIS B.WILSO GA	ASHRAE	Macon Middle GA. Regional Airport Georgia	Manual J
Georgia	Crisp	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	Dade	93	22	0.7	CHATTANOOGA/LOVELL TN	ASHRAE	Chattanooga Lovell Field Airport Tennessee	Manual J
Georgia	Dawson	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
Georgia	Decatur	94	29	0.2	Tallahassee Regional Airport Florida	Manual J	TALLAHASSEE MUNICIP FL	ASHRAE
Georgia	DeKalb	91	25	0.6	DEKALB PEACHTREE GA	ASHRAE	DEKALB PEACHTREE GA	ASHRAE
Georgia	Dodge	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Dooly	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	Dougherty	95	30	0.3	Albany Dougherty Co. Airport Georgia	Manual J	ALBANY MUNICIPAL GA	ASHRAE
Georgia	Douglas	92	25	0.6	FULTON CO ARPT BROW GA	ASHRAE	Fulton Co. Airport Georgia	Manual J
Georgia	Early	93	30	0.2	MARIANNA MUNI FL	ASHRAE	MARIANNA MUNI FL	ASHRAE
Georgia	Echols	94	31	0.2	Moody Air Force Base Valdosta Georgia	Manual J	VALDOSTA RGNL GA	ASHRAE
Georgia	Effingham	93	30	0.3	HUNTER AAF GA	ASHRAE	SAVANNAH MUNICIPAL GA	ASHRAE
Georgia	Elbert	93	26	0.6	Anderson County Airport South Carolina	Manual J	ANDERSON RGNL SC	ASHRAE
Georgia	Emanuel	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Evans	93	30	0.3	HUNTER AAF GA	ASHRAE	SAVANNAH MUNICIPAL GA	ASHRAE
Georgia	Fannin	92	18	1.0	Athens Tennessee	Manual J	Athens Tennessee	Manual J
Georgia	Fayette	91	23	0.7	PEACHTREE CITY FALCO GA	ASHRAE	Atlanta Nexrad (33.37N 84.55 W) Georgia	Manual J
Georgia	Floyd	93	22	0.6	ROME/RUSSELL(RAMOS) GA	ASHRAE	Rome R. B. Russell Airport Georgia	Manual J
Georgia	Forsyth	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
Georgia	Franklin	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Fulton	92	25	0.6	FULTON CO ARPT BROW GA	ASHRAE	Fulton Co. Airport Georgia	Manual J
Georgia	Gilmer	93	22	0.7	Dalton Georgia	Manual J	Dalton Georgia	Manual J
Georgia	Glascock	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
Georgia	Glynn	93	30	0.2	BRUNSWICK GOLDEN IS GA	ASHRAE	BRUNSWICK GOLDEN IS GA	ASHRAE
Georgia	Gordon	93	22	0.7	Dalton Georgia	Manual J	Dalton Georgia	Manual J



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Georgia	Grady	94	29	0.2	Tallahassee Regional Airport Florida	Manual J	TALLAHASSEE MUNICIP FL	ASHRAE
Georgia	Greene	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Gwinnett	91	25	0.6	DEKALB PEACHTREE GA	ASHRAE	DEKALB PEACHTREE GA	ASHRAE
Georgia	Habersham	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
Georgia	Hall	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
Georgia	Hancock	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Haralson	91	23	0.6	CARTERSVILLE GA	ASHRAE	CARTERSVILLE GA	ASHRAE
Georgia	Harris	94	29	0.3	COLUMBUS METROPOLIT GA	ASHRAE	Columbus Metropolitan Airport Georgia	Manual J
Georgia	Hart	93	26	0.6	Anderson County Airport South Carolina	Manual J	ANDERSON RGNL SC	ASHRAE
Georgia	Heard	91	23	0.6	La Grange Georgia	Manual J	La Grange Georgia	Manual J
Georgia	Henry	90	22	0.5	Griffin Georgia	Manual J	Griffin Georgia	Manual J
Georgia	Houston	95	28	0.4	Warner Robins Air Force Base Georgia	Manual J	ROBINS AFB GA	ASHRAE
Georgia	Irwin	94	30	0.3	Moody Air Force Base Valdosta Georgia	Manual J	Moultrie Georgia	Manual J
Georgia	Jackson	91	28	0.6	WINDER BARROW GA	ASHRAE	WINDER BARROW GA	ASHRAE
Georgia	Jasper	90	22	0.5	Griffin Georgia	Manual J	Griffin Georgia	Manual J
Georgia	Jeff Davis	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Jefferson	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
Georgia	Jenkins	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
Georgia	Johnson	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Jones	95	27	0.4	MACON/LEWIS B.WILSO GA	ASHRAE	Macon Middle GA. Regional Airport Georgia	Manual J
Georgia	Lamar	90	22	0.5	Griffin Georgia	Manual J	Griffin Georgia	Manual J
Georgia	Lanier	94	31	0.2	Moody Air Force Base Valdosta Georgia	Manual J	VALDOSTA RGNL GA	ASHRAE
Georgia	Laurens	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Lee	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	Liberty	93	30	0.3	HUNTER AAF GA	ASHRAE	SAVANNAH MUNICIPAL GA	ASHRAE
Georgia	Lincoln	93	22	0.7	Greenwood South Carolina	Manual J	Greenwood South Carolina	Manual J
Georgia	Long	93	30	0.2	BRUNSWICK GOLDEN IS GA	ASHRAE	BRUNSWICK GOLDEN IS GA	ASHRAE
Georgia	Lowndes	94	31	0.2	Moody Air Force Base Valdosta Georgia	Manual J	VALDOSTA RGNL GA	ASHRAE
Georgia	Lumpkin	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE



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Georgia	Macon	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	Madison	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Marion	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	McDuffie	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
Georgia	McIntosh	93	30	0.2	BRUNSWICK GOLDEN IS GA	ASHRAE	BRUNSWICK GOLDEN IS GA	ASHRAE
Georgia	Meriwether	90	21	0.8	NEWNAN COWETA CO GA	ASHRAE	NEWNAN COWETA CO GA	ASHRAE
Georgia	Miller	93	30	0.2	MARIANNA MUNI FL	ASHRAE	MARIANNA MUNI FL	ASHRAE
Georgia	Mitchell	95	30	0.3	Albany Dougherty Co. Airport Georgia	Manual J	ALBANY MUNICIPAL GA	ASHRAE
Georgia	Monroe	90	22	0.5	Griffin Georgia	Manual J	Griffin Georgia	Manual J
Georgia	Montgomery	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Morgan	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Murray	93	22	0.7	Dalton Georgia	Manual J	Dalton Georgia	Manual J
Georgia	Muscogee	94	29	0.3	COLUMBUS METROPOLIT GA	ASHRAE	Columbus Metropolitan Airport Georgia	Manual J
Georgia	Newton	91	28	0.6	WINDER BARROW GA	ASHRAE	WINDER BARROW GA	ASHRAE
Georgia	Oconee	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Oglethorpe	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Paulding	91	23	0.6	CARTERSVILLE GA	ASHRAE	CARTERSVILLE GA	ASHRAE
Georgia	Peach	95	27	0.4	MACON/LEWIS B. WILSON GA	ASHRAE	Macon Middle GA. Regional Airport Georgia	Manual J
Georgia	Pickens	91	23	0.6	CARTERSVILLE GA	ASHRAE	CARTERSVILLE GA	ASHRAE
Georgia	Pierce	95	31	0.2	WAYCROSS/WARE CO. GA	ASHRAE	Waycross Ware Co. Airport Georgia	Manual J
Georgia	Pike	90	22	0.5	Griffin Georgia	Manual J	Griffin Georgia	Manual J
Georgia	Polk	93	22	0.6	ROME/RUSSELL(RAMOS) GA	ASHRAE	Rome R. B. Russell Airport Georgia	Manual J
Georgia	Pulaski	95	28	0.4	Warner Robins Air Force Base Georgia	Manual J	ROBINS AFB GA	ASHRAE
Georgia	Putnam	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Quitman	95	24	0.4	FORT BENNING GA	ASHRAE	Columbus Lawson Air Force Base Georgia	Manual J
Georgia	Rabun	91	28	0.5	OCONEE CO RGNL SC	ASHRAE	OCONEE CO RGNL SC	ASHRAE
Georgia	Randolph	95	30	0.3	Albany Dougherty Co. Airport Georgia	Manual J	ALBANY MUNICIPAL GA	ASHRAE
Georgia	Richmond	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
Georgia	Rockdale	91	25	0.6	DEKALB PEACHTREE GA	ASHRAE	DEKALB PEACHTREE GA	ASHRAE



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Georgia	Schley	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	Screven	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
Georgia	Seminole	93	30	0.2	MARIANNA MUNI FL	ASHRAE	MARIANNA MUNI FL	ASHRAE
Georgia	Spalding	90	22	0.5	Griffin Georgia	Manual J	Griffin Georgia	Manual J
Georgia	Stephens	91	28	0.5	OCONEE CO RGNL SC	ASHRAE	OCONEE CO RGNL SC	ASHRAE
Georgia	Stewart	95	24	0.4	FORT BENNING GA	ASHRAE	Columbus Lawson Air Force Base Georgia	Manual J
Georgia	Sumter	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	Talbot	94	29	0.3	COLUMBUS METROPOLIT GA	ASHRAE	Columbus Metropolitan Airport Georgia	Manual J
Georgia	Taliaferro	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Tattnall	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Taylor	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	Telfair	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Terrell	95	30	0.3	Albany Dougherty Co. Airport Georgia	Manual J	ALBANY MUNICIPAL GA	ASHRAE
Georgia	Thomas	95	30	0.3	Moultrie Georgia	Manual J	Moultrie Georgia	Manual J
Georgia	Tift	95	30	0.3	Moultrie Georgia	Manual J	Moultrie Georgia	Manual J
Georgia	Toombs	93	30	0.3	ALMA/BACON CO. GA	ASHRAE	ALMA/BACON CO. GA	ASHRAE
Georgia	Towns	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
Georgia	Treutlen	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Troup	91	23	0.6	La Grange Georgia	Manual J	La Grange Georgia	Manual J
Georgia	Turner	95	30	0.3	Moultrie Georgia	Manual J	Moultrie Georgia	Manual J
Georgia	Twiggs	95	28	0.4	Warner Robins Air Force Base Georgia	Manual J	ROBINS AFB GA	ASHRAE
Georgia	Union	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
Georgia	Upson	90	22	0.5	Griffin Georgia	Manual J	Griffin Georgia	Manual J
Georgia	Walker	93	22	0.7	CHATTANOOGA/LOVELL TN	ASHRAE	Chattanooga Lovell Field Airport Tennessee	Manual J
Georgia	Walton	91	28	0.6	WINDER BARROW GA	ASHRAE	WINDER BARROW GA	ASHRAE
Georgia	Ware	95	31	0.2	WAYCROSS/WARE CO. GA	ASHRAE	Waycross Ware Co. Airport Georgia	Manual J
Georgia	Warren	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
Georgia	Washington	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Wayne	93	30	0.2	BRUNSWICK GOLDEN IS GA	ASHRAE	BRUNSWICK GOLDEN IS GA	ASHRAE



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Georgia	Webster	94	25	0.4	Americus Georgia	Manual J	Americus Georgia	Manual J
Georgia	Wheeler	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	White	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
Georgia	Whitfield	93	22	0.7	Dalton Georgia	Manual J	Dalton Georgia	Manual J
Georgia	Wilcox	95	28	0.4	Warner Robins Air Force Base Georgia	Manual J	ROBINS AFB GA	ASHRAE
Georgia	Wilkes	93	26	0.5	ATHENS MUNICIPAL GA	ASHRAE	Athens Ben Epps Airport Georgia	Manual J
Georgia	Wilkinson	93	25	0.4	Dublin Georgia	Manual J	Dublin Georgia	Manual J
Georgia	Worth	95	30	0.3	Albany Dougherty Co. Airport Georgia	Manual J	ALBANY MUNICIPAL GA	ASHRAE
<b>Hawaii</b>								
Hawaii	Hawaii	87	63	0.0	Keahole-Kona International Airport Hawaii	Manual J	HILO INTL HI	ASHRAE
Hawaii	Honolulu	90	59	0.0	Barbers Point Naval Air Station Hawaii	Manual J	Wahiawa Hawaii	Manual J
Hawaii	Kalawao	88	61	0.0	KAHULUI ARPT/MAUI HI	ASHRAE	KAHULUI ARPT/MAUI HI	ASHRAE
Hawaii	Kauai	84	62	0.0	LIHUE/KAUAI ISLAND HI	ASHRAE	Lihue Airport Hawaii	Manual J
Hawaii	Maui	88	61	0.0	KAHULUI ARPT/MAUI HI	ASHRAE	KAHULUI ARPT/MAUI HI	ASHRAE
<b>Iowa</b>								
Iowa	Adair	91	1	1.9	Creston Iowa	Manual J	CRESTON MUNI IA	ASHRAE
Iowa	Adams	91	1	1.9	Creston Iowa	Manual J	CRESTON MUNI IA	ASHRAE
Iowa	Allamakee	86	-3	2.4	DECORAH MUNI IA	ASHRAE	DECORAH MUNI IA	ASHRAE
Iowa	Appanoose	91	3	1.7	Chariton Iowa	Manual J	CHARITON MUNI IA	ASHRAE
Iowa	Audubon	90	0	2.2	AUDUBON CO IA	ASHRAE	AUDUBON CO IA	ASHRAE
Iowa	Benton	89	-4	2.2	Cedar Rapids Municipal Airport Iowa	Manual J	Cedar Rapids Municipal Airport Iowa	Manual J
Iowa	Black Hawk	89	-6	2.4	Waterloo Municipal Airport Iowa	Manual J	Waterloo Municipal Airport Iowa	Manual J
Iowa	Boone	90	0	2.0	Boone Municipal Airport Iowa	Manual J	Boone Municipal Airport Iowa	Manual J
Iowa	Bremer	89	-6	2.4	Waterloo Municipal Airport Iowa	Manual J	Waterloo Municipal Airport Iowa	Manual J
Iowa	Buchanan	88	-1	2.3	OELWEIN MUNI IA	ASHRAE	OELWEIN MUNI IA	ASHRAE
Iowa	Buena Vista	90	-4	2.0	STORM LAKE MUNI IA	ASHRAE	Storm Lake Iowa	Manual J
Iowa	Butler	88	-4	2.5	Charles City Iowa	Manual J	CHARLES CITY MUNI IA	ASHRAE
Iowa	Calhoun	91	-1	2.0	Carroll Iowa	Manual J	ARTHUR N NEU IA	ASHRAE



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Iowa	Carroll	91	-1	2.0	Carroll Iowa	Manual J	ARTHUR N NEU IA	ASHRAE
Iowa	Cass	91	0	2.0	Atlantic Iowa	Manual J	ATLANTIC MUNI IA	ASHRAE
Iowa	Cedar	91	3	1.7	MUSCATINE MUNI IA	ASHRAE	MUSCATINE MUNI IA	ASHRAE
Iowa	Cerro Gordo	88	-8	2.8	Mason City Municipal Airport Iowa	Manual J	Mason City Municipal Airport Iowa	Manual J
Iowa	Cherokee	90	-4	2.0	STORM LAKE MUNI IA	ASHRAE	Storm Lake Iowa	Manual J
Iowa	Chickasaw	88	-4	2.5	Charles City Iowa	Manual J	CHARLES CITY MUNI IA	ASHRAE
Iowa	Clarke	92	0	2.0	Lamoni Iowa	Manual J	Lamoni Iowa	Manual J
Iowa	Clay	89	-8	2.7	Spencer Iowa	Manual J	Spencer Iowa	Manual J
Iowa	Clayton	86	0	2.3	PRAIRIE DU CHIEN MUN WI	ASHRAE	PRAIRIE DU CHIEN MUN WI	ASHRAE
Iowa	Clinton	88	-1	2.2	Clinton Municipal Airport Iowa	Manual J	CLINTON MUNI IA	ASHRAE
Iowa	Crawford	90	0	2.0	DENISON MUNICIPAL IA	ASHRAE	DENISON MUNICIPAL IA	ASHRAE
Iowa	Dallas	90	-2	1.8	Boone Municipal Airport Iowa	Manual J	Des Moines International Airport Iowa	Manual J
Iowa	Davis	90	0	1.8	OTTUMWA INDUSTRIAL IA	ASHRAE	Ottumwa Industrial Airport Iowa	Manual J
Iowa	Decatur	92	0	2.0	Lamoni Iowa	Manual J	Lamoni Iowa	Manual J
Iowa	Delaware	88	-2	2.3	MONTICELLO RGNL IA	ASHRAE	MONTICELLO RGNL IA	ASHRAE
Iowa	Des Moines	90	1	1.6	SOUTHEAST IOWA RGNL IA	ASHRAE	Burlington Municipal Airport Iowa	Manual J
Iowa	Dickinson	89	-8	2.7	Spencer Iowa	Manual J	Spencer Iowa	Manual J
Iowa	Dubuque	86	-3	2.6	Dubuque Regional Airport Iowa	Manual J	Dubuque Regional Airport Iowa	Manual J
Iowa	Emmet	88	-8	2.8	Estherville Municipal Airport Iowa	Manual J	ESTHERVILLE MUNI IA	ASHRAE
Iowa	Fayette	88	-1	2.3	OELWEIN MUNI IA	ASHRAE	OELWEIN MUNI IA	ASHRAE
Iowa	Floyd	88	-4	2.5	Charles City Iowa	Manual J	CHARLES CITY MUNI IA	ASHRAE
Iowa	Franklin	88	-8	2.8	Mason City Municipal Airport Iowa	Manual J	Mason City Municipal Airport Iowa	Manual J
Iowa	Fremont	93	3	1.5	SHENANDOAH MUNI IA	ASHRAE	SHENANDOAH MUNI IA	ASHRAE
Iowa	Greene	91	-1	2.0	Carroll Iowa	Manual J	ARTHUR N NEU IA	ASHRAE
Iowa	Grundy	88	-2	2.3	Marshall Town Municipal Airport Iowa	Manual J	MARSHALL TOWN MUNI IA	ASHRAE
Iowa	Guthrie	90	0	2.2	AUDUBON CO IA	ASHRAE	AUDUBON CO IA	ASHRAE
Iowa	Hamilton	91	-2	2.1	Webster City Iowa	Manual J	WEBSTER CITY MUNI IA	ASHRAE
Iowa	Hancock	90	-4	2.3	Clarion Iowa	Manual J	CLARION MUNI IA	ASHRAE
Iowa	Hardin	88	-2	2.3	Marshall Town Municipal Airport Iowa	Manual J	MARSHALL TOWN MUNI IA	ASHRAE



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Iowa	Harrison	92	-1	1.9	Omaha Eppley Airfield Nebraska	Manual J	TEKAMAH MUNI NE	ASHRAE
Iowa	Henry	91	3	1.7	Washington Iowa	Manual J	Washington Iowa	Manual J
Iowa	Howard	88	-4	2.5	Charles City Iowa	Manual J	CHARLES CITY MUNI IA	ASHRAE
Iowa	Humboldt	88	-6	2.5	FORT DODGE (AWOS) IA	ASHRAE	Fort Dodge Iowa	Manual J
Iowa	Ida	90	-4	2.0	STORM LAKE MUNI IA	ASHRAE	Storm Lake Iowa	Manual J
Iowa	Iowa	89	-4	2.2	Cedar Rapids Municipal Airport Iowa	Manual J	Cedar Rapids Municipal Airport Iowa	Manual J
Iowa	Jackson	86	-3	2.6	Dubuque Regional Airport Iowa	Manual J	Dubuque Regional Airport Iowa	Manual J
Iowa	Jasper	91	-5	2.0	Newton Iowa	Manual J	Newton Iowa	Manual J
Iowa	Jefferson	91	1	1.7	Fair Field Municipal Airport Iowa	Manual J	FAIRFIELD MUNI IA	ASHRAE
Iowa	Johnson	90	-6	1.7	IOWA CITY MUNI IA	ASHRAE	Iowa City Iowa	Manual J
Iowa	Jones	88	-2	2.3	MONTICELLO RGNL IA	ASHRAE	MONTICELLO RGNL IA	ASHRAE
Iowa	Keokuk	91	1	1.7	Fair Field Municipal Airport Iowa	Manual J	FAIRFIELD MUNI IA	ASHRAE
Iowa	Kossuth	88	-4	2.4	ALGONA IA	ASHRAE	ALGONA IA	ASHRAE
Iowa	Lee	91	7	1.4	Keokuk Municipal Airport Iowa	Manual J	KEOKUK MUNI IA	ASHRAE
Iowa	Linn	89	-4	2.2	Cedar Rapids Municipal Airport Iowa	Manual J	Cedar Rapids Municipal Airport Iowa	Manual J
Iowa	Louisa	91	3	1.7	MUSCATINE MUNI IA	ASHRAE	MUSCATINE MUNI IA	ASHRAE
Iowa	Lucas	91	3	1.7	Chariton Iowa	Manual J	CHARITON MUNI IA	ASHRAE
Iowa	Lyon	90	-4	2.4	SHELDON MUNI IA	ASHRAE	SHELDON MUNI IA	ASHRAE
Iowa	Madison	91	-2	1.8	Creston Iowa	Manual J	Des Moines International Airport Iowa	Manual J
Iowa	Mahaska	90	0	1.8	OTTUMWA INDUSTRIAL IA	ASHRAE	Ottumwa Industrial Airport Iowa	Manual J
Iowa	Marion	90	3	1.6	KNOXVILLE IA	ASHRAE	KNOXVILLE IA	ASHRAE
Iowa	Marshall	88	-2	2.3	Marshall Town Municipal Airport Iowa	Manual J	MARSHALL TOWN MUNI IA	ASHRAE
Iowa	Mills	91	2	1.6	Offutt Air Force Base Bellevue Nebraska	Manual J	Offutt Air Force Base Bellevue Nebraska	Manual J
Iowa	Mitchell	88	-4	2.5	Charles City Iowa	Manual J	CHARLES CITY MUNI IA	ASHRAE
Iowa	Monona	91	-1	1.9	Tekamah ASOS Nebraska	Manual J	TEKAMAH MUNI NE	ASHRAE
Iowa	Monroe	90	3	1.6	KNOXVILLE IA	ASHRAE	KNOXVILLE IA	ASHRAE
Iowa	Montgomery	93	3	1.6	RED OAK MUNI IA	ASHRAE	RED OAK MUNI IA	ASHRAE
Iowa	Muscatine	91	3	1.7	MUSCATINE MUNI IA	ASHRAE	MUSCATINE MUNI IA	ASHRAE
Iowa	O'Brien	90	-4	2.4	SHELDON MUNI IA	ASHRAE	SHELDON MUNI IA	ASHRAE



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Iowa	Osceola	85	-4	2.4	Worthington Minnesota	Manual J	SHELDON MUNI IA	ASHRAE
Iowa	Page	91	1	1.7	SCHENCK FLD IA	ASHRAE	SCHENCK FLD IA	ASHRAE
Iowa	Palo Alto	88	-8	2.8	Estherville Municipal Airport Iowa	Manual J	ESTHERVILLE MUNI IA	ASHRAE
Iowa	Plymouth	90	-2	2.1	LE MARS MUNI IA	ASHRAE	LE MARS MUNI IA	ASHRAE
Iowa	Pocahontas	88	-4	2.0	FORT DODGE (AWOS) IA	ASHRAE	Storm Lake Iowa	Manual J
Iowa	Polk	91	-2	1.8	Ankeny Regional Airport Iowa	Manual J	Des Moines International Airport Iowa	Manual J
Iowa	Pottawattamie	91	-3	1.8	Council Bluffs Iowa	Manual J	Council Bluffs Iowa	Manual J
Iowa	Poweshiek	91	-5	2.0	Newton Iowa	Manual J	Newton Iowa	Manual J
Iowa	Ringgold	92	1	1.9	Lamoni Iowa	Manual J	CRESTON MUNI IA	ASHRAE
Iowa	Sac	90	-4	2.0	STORM LAKE MUNI IA	ASHRAE	Storm Lake Iowa	Manual J
Iowa	Scott	88	0	2.0	DAVENPORT MUNI IA	ASHRAE	DAVENPORT MUNI IA	ASHRAE
Iowa	Shelby	90	0	2.0	DENISON MUNICIPAL IA	ASHRAE	DENISON MUNICIPAL IA	ASHRAE
Iowa	Sioux	90	-4	2.2	ORANGE CITY MUNI IA	ASHRAE	ORANGE CITY MUNI IA	ASHRAE
Iowa	Story	88	0	2.1	AMES MUNI IA	ASHRAE	AMES MUNI IA	ASHRAE
Iowa	Tama	88	-2	2.3	Marshall Town Municipal Airport Iowa	Manual J	MARSHALL TOWN MUNI IA	ASHRAE
Iowa	Taylor	91	1	1.7	SCHENCK FLD IA	ASHRAE	SCHENCK FLD IA	ASHRAE
Iowa	Union	91	1	1.9	Creston Iowa	Manual J	CRESTON MUNI IA	ASHRAE
Iowa	Van Buren	91	1	1.7	Fair Field Municipal Airport Iowa	Manual J	FAIRFIELD MUNI IA	ASHRAE
Iowa	Wapello	90	0	1.8	OTTUMWA INDUSTRIAL IA	ASHRAE	Ottumwa Industrial Airport Iowa	Manual J
Iowa	Warren	91	-2	1.8	Ankeny Regional Airport Iowa	Manual J	Des Moines International Airport Iowa	Manual J
Iowa	Washington	91	3	1.7	Washington Iowa	Manual J	Washington Iowa	Manual J
Iowa	Wayne	91	3	1.7	Chariton Iowa	Manual J	CHARITON MUNI IA	ASHRAE
Iowa	Webster	88	-6	2.5	FORT DODGE (AWOS) IA	ASHRAE	Fort Dodge Iowa	Manual J
Iowa	Winnebago	86	-8	2.8	Albert Lea Minnesota	Manual J	Mason City Municipal Airport Iowa	Manual J
Iowa	Winneshiek	86	-3	2.4	DECORAH MUNI IA	ASHRAE	DECORAH MUNI IA	ASHRAE
Iowa	Woodbury	90	-4	2.1	SIOUX CITY MUNI IA	ASHRAE	Sioux City Sioux Gateway Airport Iowa	Manual J
Iowa	Worth	88	-8	2.8	Mason City Municipal Airport Iowa	Manual J	Mason City Municipal Airport Iowa	Manual J
Iowa	Wright	90	-4	2.3	Clarion Iowa	Manual J	CLARION MUNI IA	ASHRAE



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<b>Idaho</b>								
Idaho	Ada	95	11	1.9	BOISE MUNICIPAL ID	ASHRAE	Boise Air Terminal Idaho	Manual J
Idaho	Adams	83	-2	9.2	McCall Airport Idaho	Manual J	McCall Airport Idaho	Manual J
Idaho	Bannock	91	1	3.2	POCATELLO MUNICIPAL ID	ASHRAE	Pocatello Regional Airport Idaho	Manual J
Idaho	Bear Lake	91	0	3.2	LOGAN CACHE UT	ASHRAE	Logan-Cache Airport Utah	Manual J
Idaho	Benewah	89	10	3.7	Coeur D'Alene Idaho	Manual J	COEUR D ALENE AIR TE ID	ASHRAE
Idaho	Bingham	91	1	3.2	POCATELLO MUNICIPAL ID	ASHRAE	Pocatello Regional Airport Idaho	Manual J
Idaho	Blaine	90	12	2.6	JEROME CO ID	ASHRAE	JEROME CO ID	ASHRAE
Idaho	Boise	95	11	1.9	BOISE MUNICIPAL ID	ASHRAE	Boise Air Terminal Idaho	Manual J
Idaho	Bonner	89	10	3.7	Coeur D'Alene Idaho	Manual J	COEUR D ALENE AIR TE ID	ASHRAE
Idaho	Bonneville	90	-2	4.1	IDAHO FALLS RGNL ID	ASHRAE	Idaho Falls Fanning Field Idaho	Manual J
Idaho	Boundary	89	10	3.7	Coeur D'Alene Idaho	Manual J	COEUR D ALENE AIR TE ID	ASHRAE
Idaho	Butte	91	1	3.2	POCATELLO MUNICIPAL ID	ASHRAE	Pocatello Regional Airport Idaho	Manual J
Idaho	Camas	90	-11	16.3	JEROME CO ID	ASHRAE	STANLEY RANGER STN ID	ASHRAE
Idaho	Canyon	93	16	2.1	CALDWELL (AWOS) ID	ASHRAE	Caldwell Idaho	Manual J
Idaho	Caribou	90	-2	4.1	IDAHO FALLS RGNL ID	ASHRAE	Idaho Falls Fanning Field Idaho	Manual J
Idaho	Cassia	91	6	2.6	Burley Municipal Airport Idaho	Manual J	Burley Municipal Airport Idaho	Manual J
Idaho	Clark	88	0	4.5	REXBURG MADISON CO ID	ASHRAE	REXBURG MADISON CO ID	ASHRAE
Idaho	Clearwater	93	15	3.4	Kamiah Idaho	Manual J	Kamiah Idaho	Manual J
Idaho	Custer	89	-11	16.3	Challis Idaho	Manual J	STANLEY RANGER STN ID	ASHRAE
Idaho	Elmore	97	9	2.0	MOUNTAIN HOME AFB ID	ASHRAE	Mountain Home Air Force Base Idaho	Manual J
Idaho	Franklin	91	0	3.2	LOGAN CACHE UT	ASHRAE	Logan-Cache Airport Utah	Manual J
Idaho	Fremont	88	0	4.5	REXBURG MADISON CO ID	ASHRAE	REXBURG MADISON CO ID	ASHRAE
Idaho	Gem	93	16	2.1	CALDWELL (AWOS) ID	ASHRAE	Caldwell Idaho	Manual J
Idaho	Gooding	90	12	2.6	JEROME CO ID	ASHRAE	JEROME CO ID	ASHRAE
Idaho	Idaho	93	15	3.4	Kamiah Idaho	Manual J	Kamiah Idaho	Manual J
Idaho	Jefferson	90	-2	4.1	IDAHO FALLS RGNL ID	ASHRAE	Idaho Falls Fanning Field Idaho	Manual J
Idaho	Jerome	90	12	2.6	JEROME CO ID	ASHRAE	JEROME CO ID	ASHRAE
Idaho	Kootenai	89	10	3.7	Coeur D'Alene Idaho	Manual J	COEUR D ALENE AIR TE ID	ASHRAE



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Idaho	Latah	87	0	3.6	Moscow Idaho	Manual J	Moscow Idaho	Manual J
Idaho	Lemhi	88	0	4.8	Salmon Lemhi Co Airport Idaho	Manual J	LEMHI CO ID	ASHRAE
Idaho	Lewis	93	15	3.4	Kamiah Idaho	Manual J	Kamiah Idaho	Manual J
Idaho	Lincoln	90	12	2.6	JEROME CO ID	ASHRAE	JEROME CO ID	ASHRAE
Idaho	Madison	88	0	4.5	REXBURG MADISON CO ID	ASHRAE	REXBURG MADISON CO ID	ASHRAE
Idaho	Minidoka	91	6	2.6	Burley Municipal Airport Idaho	Manual J	Burley Municipal Airport Idaho	Manual J
Idaho	Nez Perce	95	18	1.7	LEWISTON NEZ PERCE ID	ASHRAE	Lewiston Nez Perce Co. Airport Idaho	Manual J
Idaho	Oneida	91	1	3.2	POCATELLO MUNICIPAL ID	ASHRAE	Pocatello Regional Airport Idaho	Manual J
Idaho	Owyhee	97	9	2.0	MOUNTAIN HOME AFB ID	ASHRAE	Mountain Home Air Force Base Idaho	Manual J
Idaho	Payette	95	16	1.9	ONTARIO MUNI OR	ASHRAE	ONTARIO MUNI OR	ASHRAE
Idaho	Power	91	1	3.2	POCATELLO MUNICIPAL ID	ASHRAE	Pocatello Regional Airport Idaho	Manual J
Idaho	Shoshone	84	8	5.6	MULLAN (AWRS) ID	ASHRAE	Mullan AWRS Idaho	Manual J
Idaho	Teton	82	0	4.5	JACKSON HOLE WY	ASHRAE	REXBURG MADISON CO ID	ASHRAE
Idaho	Twin Falls	95	2	2.5	Twin Falls Airport Idaho	Manual J	Twin Falls Airport Idaho	Manual J
Idaho	Valley	83	-2	9.2	McCall Airport Idaho	Manual J	McCall Airport Idaho	Manual J
Idaho	Washington	95	16	1.9	ONTARIO MUNI OR	ASHRAE	ONTARIO MUNI OR	ASHRAE

## Illinois

Illinois	Adams	90	3	1.5	QUINCY RGNL BALDWIN IL	ASHRAE	Quincy Municipal Airport Baldwin Field Illinois	Manual J
Illinois	Alexander	95	14	1.0	Sikeston Missouri	Manual J	Cape Girardeau Municipal Airport Missouri	Manual J
Illinois	Bond	92	4	1.5	Greenville Illinois	Manual J	Greenville Illinois	Manual J
Illinois	Boone	90	-3	2.5	Beloit Wisconsin	Manual J	Beloit Wisconsin	Manual J
Illinois	Brown	90	3	1.5	QUINCY RGNL BALDWIN IL	ASHRAE	Quincy Municipal Airport Baldwin Field Illinois	Manual J
Illinois	Bureau	88	-2	2.1	STERLING ROCK FALLS IL	ASHRAE	LaSalle Peru Illinois	Manual J
Illinois	Calhoun	94	2	1.4	St. Louis City Office Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Illinois	Carroll	89	0	2.2	Freeport Illinois	Manual J	Sterling Rock Falls Illinois	Manual J
Illinois	Cass	90	9	1.4	JACKSONVILLE MUNI IL	ASHRAE	JACKSONVILLE MUNI IL	ASHRAE
Illinois	Champaign	92	1	1.8	Champaign Urbana Illinois	Manual J	Rantoul Chanute Air Force Base Illinois	Manual J
Illinois	Christian	91	5	1.6	Decatur Illinois	Manual J	Decatur Illinois	Manual J



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Illinois	Clark	90	7	1.4	Terre Haute International Airport Indiana	Manual J	Terre Haute International Airport Indiana	Manual J
Illinois	Clay	91	14	1.2	SALEM-LECKRONE IL	ASHRAE	SALEM-LECKRONE IL	ASHRAE
Illinois	Clinton	92	4	1.5	Greenville Illinois	Manual J	Greenville Illinois	Manual J
Illinois	Coles	90	9	1.4	Mattoon-Charleston Coles Co. Memorial Airport Illinois	Manual J	COLES CO MEM IL	ASHRAE
Illinois	Cook	91	2	2.1	Chicago City Office Illinois	Manual J	Chicago O'Hare International Airport Illinois	Manual J
Illinois	Crawford	91	12	1.1	LAWRENCEVILLE VINCEN IL	ASHRAE	LAWRENCEVILLE VINCEN IL	ASHRAE
Illinois	Cumberland	90	9	1.4	Mattoon-Charleston Coles Co. Memorial Airport Illinois	Manual J	COLES CO MEM IL	ASHRAE
Illinois	De Witt	90	-2	1.8	Bloomington Illinois	Manual J	Bloomington Illinois	Manual J
Illinois	DeKalb	88	-2	2.3	AURORA MUNICIPAL IL	ASHRAE	Rockford Greater Rockford Airport Illinois	Manual J
Illinois	Douglas	90	9	1.4	Mattoon-Charleston Coles Co. Memorial Airport Illinois	Manual J	COLES CO MEM IL	ASHRAE
Illinois	DuPage	88	1	2.3	West Chicago Du Page Airport Illinois	Manual J	West Chicago Du Page Airport Illinois	Manual J
Illinois	Edgar	90	1	1.6	Danville Illinois	Manual J	Danville Illinois	Manual J
Illinois	Edwards	91	12	1.1	LAWRENCEVILLE VINCEN IL	ASHRAE	LAWRENCEVILLE VINCEN IL	ASHRAE
Illinois	Effingham	90	9	1.4	Mattoon-Charleston Coles Co. Memorial Airport Illinois	Manual J	COLES CO MEM IL	ASHRAE
Illinois	Fayette	91	14	1.2	SALEM-LECKRONE IL	ASHRAE	SALEM-LECKRONE IL	ASHRAE
Illinois	Ford	92	1	1.8	Champaign Urbana Illinois	Manual J	Rantoul Chanute Air Force Base Illinois	Manual J
Illinois	Franklin	91	16	0.9	WILLIAMSON CO RGNL IL	ASHRAE	WILLIAMSON CO RGNL IL	ASHRAE
Illinois	Fulton	92	0	2.0	Macomb Illinois	Manual J	Macomb Illinois	Manual J
Illinois	Gallatin	91	14	1.1	HENDERSON CITY CO KY	ASHRAE	HENDERSON CITY CO KY	ASHRAE
Illinois	Greene	90	9	1.4	JACKSONVILLE MUNI IL	ASHRAE	JACKSONVILLE MUNI IL	ASHRAE
Illinois	Grundy	90	0	2.2	Joliet Illinois	Manual J	Joliet Illinois	Manual J
Illinois	Hamilton	91	11	1.3	MOUNT VERNON IL	ASHRAE	Mount Vernon Illinois	Manual J
Illinois	Hancock	91	7	1.4	Keokuk Municipal Airport Iowa	Manual J	KEOKUK MUNI IA	ASHRAE
Illinois	Hardin	91	14	1.1	HENDERSON CITY CO KY	ASHRAE	HENDERSON CITY CO KY	ASHRAE
Illinois	Henderson	90	1	1.6	SOUTHEAST IOWA RGNL IA	ASHRAE	Burlington Municipal Airport Iowa	Manual J
Illinois	Henry	91	0	1.8	Moline Quad City International Airport Illinois	Manual J	Moline Quad City International Airport Illinois	Manual J
Illinois	Iroquois	90	1	2.0	Kankakee Illinois	Manual J	Kankakee Illinois	Manual J



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Illinois	Jackson	93	7	1.3	Carbondale Illinois	Manual J	Carbondale Illinois	Manual J
Illinois	Jasper	90	9	1.4	Mattoon-Charleston Coles Co. Memorial Airport Illinois	Manual J	COLES CO MEM IL	ASHRAE
Illinois	Jefferson	91	11	1.3	MOUNT VERNON IL	ASHRAE	Mount Vernon Illinois	Manual J
Illinois	Jersey	94	2	1.4	St. Louis City Office Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Illinois	Jo Daviess	86	-3	2.6	Dubuque Regional Airport Iowa	Manual J	Dubuque Regional Airport Iowa	Manual J
Illinois	Johnson	91	16	0.9	WILLIAMSON CO RGNL IL	ASHRAE	WILLIAMSON CO RGNL IL	ASHRAE
Illinois	Kane	88	-2	2.5	AURORA MUNICIPAL IL	ASHRAE	Elgin Illinois	Manual J
Illinois	Kankakee	90	1	2.0	Kankakee Illinois	Manual J	Kankakee Illinois	Manual J
Illinois	Kendall	88	0	2.2	AURORA MUNICIPAL IL	ASHRAE	Joliet Illinois	Manual J
Illinois	Knox	91	-2	2.0	Galesburg Illinois	Manual J	Galesburg Illinois	Manual J
Illinois	Lake	89	-3	2.7	Waukegan Illinois	Manual J	Waukegan Illinois	Manual J
Illinois	LaSalle	91	-2	2.1	LaSalle Peru Illinois	Manual J	LaSalle Peru Illinois	Manual J
Illinois	Lawrence	91	12	1.1	LAWRENCEVILLE VINCEN IL	ASHRAE	LAWRENCEVILLE VINCEN IL	ASHRAE
Illinois	Lee	90	-2	2.6	Dixon Illinois	Manual J	Dixon Illinois	Manual J
Illinois	Livingston	90	-2	1.8	Bloomington Illinois	Manual J	Bloomington Illinois	Manual J
Illinois	Logan	91	5	1.5	Springfield Capital Airport Illinois	Manual J	Springfield Capital Airport Illinois	Manual J
Illinois	Macon	91	5	1.6	Decatur Illinois	Manual J	Decatur Illinois	Manual J
Illinois	Macoupin	90	9	1.4	JACKSONVILLE MUNI IL	ASHRAE	JACKSONVILLE MUNI IL	ASHRAE
Illinois	Madison	93	10	1.1	Belleville Scott Air Force Base Illinois	Manual J	Belleville Scott Air Force Base Illinois	Manual J
Illinois	Marion	91	14	1.2	SALEM-LECKRONE IL	ASHRAE	SALEM-LECKRONE IL	ASHRAE
Illinois	Marshall	91	-2	2.1	LaSalle Peru Illinois	Manual J	LaSalle Peru Illinois	Manual J
Illinois	Mason	91	5	1.5	Springfield Capital Airport Illinois	Manual J	Springfield Capital Airport Illinois	Manual J
Illinois	Massac	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Illinois	McDonough	92	0	2.0	Macomb Illinois	Manual J	Macomb Illinois	Manual J
Illinois	McHenry	88	-2	2.5	West Chicago Du Page Airport Illinois	Manual J	Elgin Illinois	Manual J
Illinois	McLean	90	-2	1.8	Bloomington Illinois	Manual J	Bloomington Illinois	Manual J
Illinois	Menard	91	5	1.5	Springfield Capital Airport Illinois	Manual J	Springfield Capital Airport Illinois	Manual J
Illinois	Mercer	91	0	1.8	Moline Quad City International Airport Illinois	Manual J	Moline Quad City International Airport Illinois	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Illinois	Monroe	93	2	1.4	Belleville Scott Air Force Base Illinois	Manual J	St. Joseph Airport Missouri	Manual J
Illinois	Montgomery	92	4	1.5	Greenville Illinois	Manual J	Greenville Illinois	Manual J
Illinois	Morgan	90	9	1.4	JACKSONVILLE MUNI IL	ASHRAE	JACKSONVILLE MUNI IL	ASHRAE
Illinois	Moultrie	90	9	1.4	Mattoon-Charleston Coles Co. Memorial Airport Illinois	Manual J	COLES CO MEM IL	ASHRAE
Illinois	Ogle	90	-2	2.6	Dixon Illinois	Manual J	Dixon Illinois	Manual J
Illinois	Peoria	90	2	1.7	Peoria Greater Peoria Airport Illinois	Manual J	Peoria Greater Peoria Airport Illinois	Manual J
Illinois	Perry	93	7	1.3	Carbondale Illinois	Manual J	Carbondale Illinois	Manual J
Illinois	Piatt	92	5	1.6	Champaign Urbana Illinois	Manual J	Decatur Illinois	Manual J
Illinois	Pike	90	3	1.5	QUINCY RGNL BALDWIN IL	ASHRAE	Quincy Municipal Airport Baldwin Field Illinois	Manual J
Illinois	Pope	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Illinois	Pulaski	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Illinois	Putnam	91	-2	2.1	LaSalle Peru Illinois	Manual J	LaSalle Peru Illinois	Manual J
Illinois	Randolph	93	10	1.1	Belleville Scott Air Force Base Illinois	Manual J	Belleville Scott Air Force Base Illinois	Manual J
Illinois	Richland	91	12	1.1	LAWRENCEVILLE VINCEN IL	ASHRAE	LAWRENCEVILLE VINCEN IL	ASHRAE
Illinois	Rock Island	91	0	1.8	Moline Quad City International Airport Illinois	Manual J	Moline Quad City International Airport Illinois	Manual J
Illinois	Saline	91	16	0.9	WILLIAMSON CO RGNL IL	ASHRAE	WILLIAMSON CO RGNL IL	ASHRAE
Illinois	Sangamon	91	5	1.5	Springfield Capital Airport Illinois	Manual J	Springfield Capital Airport Illinois	Manual J
Illinois	Schuylerville	92	0	2.0	Macomb Illinois	Manual J	Macomb Illinois	Manual J
Illinois	Scott	90	9	1.4	JACKSONVILLE MUNI IL	ASHRAE	JACKSONVILLE MUNI IL	ASHRAE
Illinois	Shelby	91	5	1.6	Decatur Illinois	Manual J	Decatur Illinois	Manual J
Illinois	St. Clair	93	10	1.1	Belleville Scott Air Force Base Illinois	Manual J	Belleville Scott Air Force Base Illinois	Manual J
Illinois	Stark	90	2	1.7	Peoria Greater Peoria Airport Illinois	Manual J	Peoria Greater Peoria Airport Illinois	Manual J
Illinois	Stephenson	89	-4	2.8	Freeport Illinois	Manual J	Freeport Illinois	Manual J
Illinois	Tazewell	90	2	1.7	Peoria Greater Peoria Airport Illinois	Manual J	Peoria Greater Peoria Airport Illinois	Manual J
Illinois	Union	93	7	1.3	Carbondale Illinois	Manual J	Carbondale Illinois	Manual J
Illinois	Vermilion	90	1	1.6	Danville Illinois	Manual J	Danville Illinois	Manual J
Illinois	Wabash	92	6	1.5	Vincennes Indiana	Manual J	Vincennes Indiana	Manual J
Illinois	Warren	91	-2	2.0	Galesburg Illinois	Manual J	Galesburg Illinois	Manual J



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Illinois	Washington	93	10	1.1	Belleville Scott Air Force Base Illinois	Manual J	Belleville Scott Air Force Base Illinois	Manual J
Illinois	Wayne	91	11	1.3	MOUNT VERNON IL	ASHRAE	Mount Vernon Illinois	Manual J
Illinois	White	91	14	1.1	HENDERSON CITY CO KY	ASHRAE	HENDERSON CITY CO KY	ASHRAE
Illinois	Whiteside	88	0	2.2	STERLING ROCK FALLS IL	ASHRAE	Sterling Rock Falls Illinois	Manual J
Illinois	Will	90	0	2.2	Joliet Illinois	Manual J	Joliet Illinois	Manual J
Illinois	Williamson	91	16	0.9	WILLIAMSON CO RGNL IL	ASHRAE	WILLIAMSON CO RGNL IL	ASHRAE
Illinois	Winnebago	89	-2	2.3	Rockford Greater Rockford Airport Illinois	Manual J	Rockford Greater Rockford Airport Illinois	Manual J
Illinois	Woodford	90	-2	1.8	Bloomington Illinois	Manual J	Bloomington Illinois	Manual J
<b>Indiana</b>								
Indiana	Adams	88	4	1.9	FORT WAYNE/BAER FLD IN	ASHRAE	Fort Wayne International Airport Indiana	Manual J
Indiana	Allen	88	4	1.9	FORT WAYNE/BAER FLD IN	ASHRAE	Fort Wayne International Airport Indiana	Manual J
Indiana	Bartholomew	92	7	1.5	Columbus Bakalar Air Force Base Indiana	Manual J	Columbus Bakalar Air Force Base Indiana	Manual J
Indiana	Benton	90	4	1.6	Lafayette Purdue Univ Airport Indiana	Manual J	Lafayette Purdue Univ Airport Indiana	Manual J
Indiana	Blackford	90	2	1.9	Muncie Indiana	Manual J	Muncie Indiana	Manual J
Indiana	Boone	89	6	1.5	Indianapolis International Airport Indiana	Manual J	Indianapolis International Airport Indiana	Manual J
Indiana	Brown	92	7	1.5	Columbus Bakalar Air Force Base Indiana	Manual J	Columbus Bakalar Air Force Base Indiana	Manual J
Indiana	Carroll	90	4	1.6	Lafayette Purdue Univ Airport Indiana	Manual J	Lafayette Purdue Univ Airport Indiana	Manual J
Indiana	Cass	89	-1	2.0	Grissom Air Force Base Indiana	Manual J	Peru Bunker Hill Air Force Base Indiana	Manual J
Indiana	Clark	93	10	1.0	Jeffersonville Indiana	Manual J	Jeffersonville Indiana	Manual J
Indiana	Clay	90	7	1.4	Terre Haute International Airport Indiana	Manual J	Terre Haute International Airport Indiana	Manual J
Indiana	Clinton	90	0	2.2	Kokomo Indiana	Manual J	Kokomo Indiana	Manual J
Indiana	Crawford	90	14	1.2	HUNTINGBURG IN	ASHRAE	HUNTINGBURG IN	ASHRAE
Indiana	Daviess	92	6	1.5	Vincennes Indiana	Manual J	Vincennes Indiana	Manual J
Indiana	Dearborn	89	7	1.3	CINCINNATI/GREATER KY	ASHRAE	Covington Airport Kentucky	Manual J
Indiana	Decatur	91	3	1.6	Shelbyville Indiana	Manual J	Shelbyville Indiana	Manual J
Indiana	DeKalb	88	4	1.9	FORT WAYNE/BAER FLD IN	ASHRAE	Fort Wayne International Airport Indiana	Manual J
Indiana	Delaware	90	2	1.9	Muncie Indiana	Manual J	Muncie Indiana	Manual J
Indiana	Dubois	90	14	1.2	HUNTINGBURG IN	ASHRAE	HUNTINGBURG IN	ASHRAE



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Indiana	Elkhart	89	1	2.0	Goshen Airport Indiana	Manual J	Goshen Airport Indiana	Manual J
Indiana	Fayette	90	2	2.0	Richmond Airport Indiana	Manual J	Richmond Airport Indiana	Manual J
Indiana	Floyd	93	10	1.0	Jeffersonville Indiana	Manual J	Jeffersonville Indiana	Manual J
Indiana	Fountain	91	3	2.1	Crawfordsville Indiana	Manual J	Crawfordsville Indiana	Manual J
Indiana	Franklin	90	2	2.0	Richmond Airport Indiana	Manual J	Richmond Airport Indiana	Manual J
Indiana	Fulton	89	-1	2.0	Grissom Air Force Base Indiana	Manual J	Peru Bunker Hill Air Force Base Indiana	Manual J
Indiana	Gibson	92	12	1.1	Evansville Regional Airport Indiana	Manual J	Evansville Regional Airport Indiana	Manual J
Indiana	Grant	90	0	2.0	Marion Indiana	Manual J	Marion Indiana	Manual J
Indiana	Greene	92	5	1.5	Bloomington Indiana	Manual J	Bloomington Indiana	Manual J
Indiana	Hamilton	92	6	1.5	Anderson Indiana	Manual J	Anderson Indiana	Manual J
Indiana	Hancock	92	6	1.5	Anderson Indiana	Manual J	Anderson Indiana	Manual J
Indiana	Harrison	91	14	1.1	Fort Knox Kentucky Indianapolis International Airport Indiana	Manual J	Fort Knox Kentucky	Manual J
Indiana	Hendricks	89	6	1.5		Manual J	Indianapolis International Airport Indiana	Manual J
Indiana	Henry	90	2	1.9	Muncie Indiana	Manual J	Muncie Indiana	Manual J
Indiana	Howard	90	0	2.2	Kokomo Indiana	Manual J	Kokomo Indiana	Manual J
Indiana	Huntington	89	1	2.0	Huntington Indiana	Manual J	Huntington Indiana	Manual J
Indiana	Jackson	92	7	1.5	Columbus Bakalar Air Force Base Indiana	Manual J	Columbus Bakalar Air Force Base Indiana	Manual J
Indiana	Jasper	90	3	2.1	Valparaiso Indiana	Manual J	Valparaiso Indiana	Manual J
Indiana	Jay	90	2	1.9	Muncie Indiana	Manual J	Muncie Indiana	Manual J
Indiana	Jefferson	93	10	1.0	Jeffersonville Indiana	Manual J	Jeffersonville Indiana	Manual J
Indiana	Jennings	92	7	1.5	Columbus Bakalar Air Force Base Indiana	Manual J	Columbus Bakalar Air Force Base Indiana	Manual J
Indiana	Johnson	92	7	1.5	Columbus Bakalar Air Force Base Indiana	Manual J	Columbus Bakalar Air Force Base Indiana	Manual J
Indiana	Knox	92	6	1.5	Vincennes Indiana	Manual J	Vincennes Indiana	Manual J
Indiana	Kosciusko	89	1	2.0	Goshen Airport Indiana	Manual J	Goshen Airport Indiana	Manual J
Indiana	LaGrange	88	7	2.1	Sturgis Airport Michigan	Manual J	KIRSCH MUNI MI	ASHRAE
Indiana	Lake	88	2	2.2	Hobart Indiana	Manual J	Hobart Indiana	Manual J
Indiana	La Porte	90	3	2.1	La Porte Indiana	Manual J	La Porte Indiana	Manual J
Indiana	Lawrence	92	5	1.5	Bedford Indiana	Manual J	Bedford Indiana	Manual J
Indiana	Madison	92	6	1.5	Anderson Indiana	Manual J	Anderson Indiana	Manual J



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Indiana	Marion	89	6	1.5	Indianapolis International Airport Indiana	Manual J	Indianapolis International Airport Indiana	Manual J
Indiana	Marshall	88	5	2.0	SOUTH BEND/ST.JOSEP IN	ASHRAE	South Bend Michiana Regional Airport Indiana	Manual J
Indiana	Martin	92	5	1.5	Bedford Indiana	Manual J	Bedford Indiana	Manual J
Indiana	Miami	89	-1	2.0	Grissom Air Force Base Indiana	Manual J	Peru Bunker Hill Air Force Base Indiana	Manual J
Indiana	Monroe	92	5	1.5	Bloomington Indiana	Manual J	Bloomington Indiana	Manual J
Indiana	Montgomery	91	3	2.1	Crawfordsville Indiana	Manual J	Crawfordsville Indiana	Manual J
Indiana	Morgan	89	6	1.5	Indianapolis International Airport Indiana	Manual J	Indianapolis International Airport Indiana	Manual J
Indiana	Newton	90	1	2.0	Kankakee Illinois	Manual J	Kankakee Illinois	Manual J
Indiana	Noble	89	1	2.0	Goshen Airport Indiana	Manual J	Goshen Airport Indiana	Manual J
Indiana	Ohio	89	7	1.3	CINCINNATI/GREATER KY	ASHRAE	Covington Airport Kentucky	Manual J
Indiana	Orange	92	5	1.5	Bedford Indiana	Manual J	Bedford Indiana	Manual J
Indiana	Owen	92	5	1.5	Bloomington Indiana	Manual J	Bloomington Indiana	Manual J
Indiana	Parke	90	7	1.4	Terre Haute International Airport Indiana	Manual J	Terre Haute International Airport Indiana	Manual J
Indiana	Perry	90	14	1.2	HUNTINGBURG IN	ASHRAE	HUNTINGBURG IN	ASHRAE
Indiana	Pike	90	14	1.2	HUNTINGBURG IN	ASHRAE	HUNTINGBURG IN	ASHRAE
Indiana	Porter	90	3	2.1	Valparaiso Indiana	Manual J	Valparaiso Indiana	Manual J
Indiana	Posey	91	14	1.1	HENDERSON CITY CO KY	ASHRAE	HENDERSON CITY CO KY	ASHRAE
Indiana	Pulaski	90	3	2.1	Valparaiso Indiana	Manual J	Valparaiso Indiana	Manual J
Indiana	Putnam	91	3	2.1	Crawfordsville Indiana	Manual J	Crawfordsville Indiana	Manual J
Indiana	Randolph	90	2	1.9	Muncie Indiana	Manual J	Muncie Indiana	Manual J
Indiana	Ripley	89	7	1.3	CINCINNATI/GREATER KY	ASHRAE	Covington Airport Kentucky	Manual J
Indiana	Rush	91	3	1.6	Shelbyville Indiana	Manual J	Shelbyville Indiana	Manual J
Indiana	Scott	93	10	1.0	Jeffersonville Indiana	Manual J	Jeffersonville Indiana	Manual J
Indiana	Shelby	91	3	1.6	Shelbyville Indiana	Manual J	Shelbyville Indiana	Manual J
Indiana	Spencer	90	14	1.2	HUNTINGBURG IN	ASHRAE	HUNTINGBURG IN	ASHRAE
Indiana	St. Joseph	88	5	2.0	SOUTH BEND/ST.JOSEP IN	ASHRAE	South Bend Michiana Regional Airport Indiana	Manual J
Indiana	Starke	90	3	2.1	La Porte Indiana	Manual J	La Porte Indiana	Manual J
Indiana	Steuben	88	7	2.2	BRANCH CO MEM MI	ASHRAE	BRANCH CO MEM MI	ASHRAE



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Indiana	Sullivan	90	7	1.4	Terre Haute International Airport Indiana	Manual J	Terre Haute International Airport Indiana	Manual J
Indiana	Switzerland	89	7	1.3	CINCINNATI/GREATER KY	ASHRAE	Covington Airport Kentucky	Manual J
Indiana	Tippecanoe	90	4	1.6	Lafayette Purdue Univ Airport Indiana	Manual J	Lafayette Purdue Univ Airport Indiana	Manual J
Indiana	Tipton	90	0	2.2	Kokomo Indiana	Manual J	Kokomo Indiana	Manual J
Indiana	Union	90	2	2.0	Richmond Airport Indiana	Manual J	Richmond Airport Indiana	Manual J
Indiana	Vanderburgh	92	12	1.1	Evansville Regional Airport Indiana	Manual J	Evansville Regional Airport Indiana	Manual J
Indiana	Vermillion	90	1	1.6	Danville Illinois	Manual J	Danville Illinois	Manual J
Indiana	Vigo	90	7	1.4	Terre Haute International Airport Indiana	Manual J	Terre Haute International Airport Indiana	Manual J
Indiana	Wabash	89	1	2.0	Huntington Indiana	Manual J	Huntington Indiana	Manual J
Indiana	Warren	90	1	1.6	Danville Illinois	Manual J	Danville Illinois	Manual J
Indiana	Warrick	92	12	1.1	Evansville Regional Airport Indiana	Manual J	Evansville Regional Airport Indiana	Manual J
Indiana	Washington	92	5	1.5	Bedford Indiana	Manual J	Bedford Indiana	Manual J
Indiana	Wayne	90	2	2.0	Richmond Airport Indiana	Manual J	Richmond Airport Indiana	Manual J
Indiana	Wells	88	4	1.9	FORT WAYNE/BAER FLD IN	ASHRAE	Fort Wayne International Airport Indiana	Manual J
Indiana	White	90	4	1.6	Lafayette Purdue Univ Airport Indiana	Manual J	Lafayette Purdue Univ Airport Indiana	Manual J
Indiana	Whitley	89	1	2.0	Huntington Indiana	Manual J	Huntington Indiana	Manual J

### Kansas

Kansas	Allen	95	12	1.0	Chanute Martin Johnson Airport Kansas	Manual J	Chanute Martin Johnson Airport Kansas	Manual J
Kansas	Anderson	95	12	1.0	Chanute Martin Johnson Airport Kansas	Manual J	Chanute Martin Johnson Airport Kansas	Manual J
Kansas	Atchison	93	2	1.4	Atchison Kansas	Manual J	Atchison Kansas	Manual J
Kansas	Barber	100	12	0.9	Medicine Lodge ASOS Kansas	Manual J	Medicine Lodge ASOS Kansas	Manual J
Kansas	Barton	97	9	1.3	GREAT BEND MUNI KS	ASHRAE	GREAT BEND MUNI KS	ASHRAE
Kansas	Bourbon	95	12	1.0	Chanute Martin Johnson Airport Kansas	Manual J	Chanute Martin Johnson Airport Kansas	Manual J
Kansas	Brown	92	3	1.4	FALLS CITY/BRENNER NE	ASHRAE	FALLS CITY/BRENNER NE	ASHRAE
Kansas	Butler	98	7	1.2	EI Dorado Kansas	Manual J	EI Dorado Kansas	Manual J
Kansas	Chase	97	5	1.3	Emporia Kansas	Manual J	Emporia Kansas	Manual J
Kansas	Chautauqua	98	10	0.8	Bartlesville Oklahoma	Manual J	Bartlesville Oklahoma	Manual J
Kansas	Cherokee	94	12	0.9	Joplin Municipal Airport Missouri	Manual J	Joplin Municipal Airport Missouri	Manual J



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Kansas	Cheyenne	95	4	1.8	Goodland Renner Field Kansas	Manual J	Goodland Renner Field Kansas	Manual J
Kansas	Clark	97	8	1.2	Dodge City Regional Airport Kansas	Manual J	Dodge City Regional Airport Kansas	Manual J
Kansas	Clay	97	6	1.2	FT RILEY/MARSHALL A KS	ASHRAE	Ft Riley Kansas	Manual J
Kansas	Cloud	96	5	1.4	Concordia Blosser Municipal Airport Kansas	Manual J	Concordia Blosser Municipal Airport Kansas	Manual J
Kansas	Coffey	97	5	1.3	Emporia Kansas	Manual J	Emporia Kansas	Manual J
Kansas	Comanche	100	12	0.9	Medicine Lodge ASOS Kansas	Manual J	Medicine Lodge ASOS Kansas	Manual J
Kansas	Cowley	99	16	0.8	Winfield Kansas	Manual J	STROTHER FLD KS	ASHRAE
Kansas	Crawford	94	12	0.9	Joplin Municipal Airport Missouri	Manual J	Joplin Municipal Airport Missouri	Manual J
Kansas	Decatur	99	7	1.6	Mc Cook Municipal Airport Nebraska	Manual J	MCCOOK RGNL NE	ASHRAE
Kansas	Dickinson	97	6	1.2	FT RILEY/MARSHALL A KS	ASHRAE	Ft Riley Kansas	Manual J
Kansas	Doniphan	93	2	1.4	Atchison Kansas	Manual J	Atchison Kansas	Manual J
Kansas	Douglas	95	9	1.2	Lawrence Municipal Airport Kansas	Manual J	LAWRENCE MUNI KS	ASHRAE
Kansas	Edwards	97	9	1.3	GREAT BEND MUNI KS	ASHRAE	GREAT BEND MUNI KS	ASHRAE
Kansas	Elk	98	7	1.2	EI Dorado Kansas	Manual J	EI Dorado Kansas	Manual J
Kansas	Ellis	99	7	1.4	Hays Municipal Airport Kansas	Manual J	Hays Municipal Airport Kansas	Manual J
Kansas	Ellsworth	98	7	1.1	SALINA MUNI KS	ASHRAE	Salina Municipal Airport Kansas	Manual J
Kansas	Finney	97	6	1.3	Garden City Municipal Airport Kansas	Manual J	Garden City Municipal Airport Kansas	Manual J
Kansas	Ford	97	8	1.2	Dodge City Regional Airport Kansas	Manual J	Dodge City Regional Airport Kansas	Manual J
Kansas	Franklin	95	9	1.2	Lawrence Municipal Airport Kansas	Manual J	LAWRENCE MUNI KS	ASHRAE
Kansas	Geary	97	10	1.1	FT RILEY/MARSHALL A KS	ASHRAE	FT RILEY/MARSHALL A KS	ASHRAE
Kansas	Gove	99	7	1.4	Hill City Municipal Airport Kansas	Manual J	Hill City Municipal Airport Kansas	Manual J
Kansas	Graham	99	7	1.4	Hill City Municipal Airport Kansas	Manual J	Hill City Municipal Airport Kansas	Manual J
Kansas	Grant	98	12	1.2	LIBERAL MUNI KS	ASHRAE	LIBERAL MUNI KS	ASHRAE
Kansas	Gray	97	6	1.3	Garden City Municipal Airport Kansas	Manual J	Garden City Municipal Airport Kansas	Manual J
Kansas	Greeley	95	4	1.8	Goodland Renner Field Kansas	Manual J	Goodland Renner Field Kansas	Manual J
Kansas	Greenwood	97	5	1.3	Emporia Kansas	Manual J	Emporia Kansas	Manual J
Kansas	Hamilton	98	7	1.5	Lamar Municipal Airport Colorado	Manual J	LAMAR MUNI CO	ASHRAE
Kansas	Harper	100	12	0.9	Medicine Lodge ASOS Kansas	Manual J	Medicine Lodge ASOS Kansas	Manual J
Kansas	Harvey	95	9	1.3	Newton Kansas	Manual J	Newton Kansas	Manual J



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Kansas	Haskell	97	6	1.3	Garden City Municipal Airport Kansas	Manual J	Garden City Municipal Airport Kansas	Manual J
Kansas	Hodgeman	97	8	1.2	Dodge City Regional Airport Kansas	Manual J	Dodge City Regional Airport Kansas	Manual J
Kansas	Jackson	94	7	1.3	Topeka Municipal Airport Kansas	Manual J	Topeka Forbes Field Kansas	Manual J
Kansas	Jefferson	95	9	1.2	Lawrence Municipal Airport Kansas	Manual J	LAWRENCE MUNI KS	ASHRAE
Kansas	Jewell	96	5	1.4	Concordia Blosser Municipal Airport Kansas	Manual J	Concordia Blosser Municipal Airport Kansas	Manual J
Kansas	Johnson	93	10	1.2	Olathe Johnson Co. Airport Kansas	Manual J	JOHNSON CO. INDUSTR KS	ASHRAE
Kansas	Kearny	97	6	1.3	Garden City Municipal Airport Kansas	Manual J	Garden City Municipal Airport Kansas	Manual J
Kansas	Kingman	100	12	0.9	Medicine Lodge ASOS Kansas	Manual J	Medicine Lodge ASOS Kansas	Manual J
Kansas	Kiowa	97	8	1.2	Dodge City Regional Airport Kansas	Manual J	Dodge City Regional Airport Kansas	Manual J
Kansas	Labette	97	14	0.9	Parsons Tri City Airport Kansas	Manual J	TRI CITY KS	ASHRAE
Kansas	Lane	97	6	1.3	Garden City Municipal Airport Kansas	Manual J	Garden City Municipal Airport Kansas	Manual J
Kansas	Leavenworth	95	9	1.2	Lawrence Municipal Airport Kansas	Manual J	LAWRENCE MUNI KS	ASHRAE
Kansas	Lincoln	98	5	1.3	SALINA MUNI KS	ASHRAE	Russell Municipal Airport Kansas	Manual J
Kansas	Linn	93	10	1.2	Olathe Johnson Co. Airport Kansas	Manual J	JOHNSON CO. INDUSTR KS	ASHRAE
Kansas	Logan	95	4	1.8	Goodland Renner Field Kansas	Manual J	Goodland Renner Field Kansas	Manual J
Kansas	Lyon	97	5	1.3	Emporia Kansas	Manual J	Emporia Kansas	Manual J
Kansas	Marion	95	9	1.3	Newton Kansas	Manual J	Newton Kansas	Manual J
Kansas	Marshall	93	3	1.6	Beatrice Municipal Airport Nebraska	Manual J	BEATRICE MUNI NE	ASHRAE
Kansas	McPherson	99	7	1.1	Hutchinson Airport Kansas	Manual J	Salina Municipal Airport Kansas	Manual J
Kansas	Meade	98	12	1.2	LIBERAL MUNI KS	ASHRAE	LIBERAL MUNI KS	ASHRAE
Kansas	Miami	93	10	1.2	Olathe Johnson Co. Airport Kansas	Manual J	JOHNSON CO. INDUSTR KS	ASHRAE
Kansas	Mitchell	96	5	1.4	Concordia Blosser Municipal Airport Kansas	Manual J	Concordia Blosser Municipal Airport Kansas	Manual J
Kansas	Montgomery	97	16	0.8	Coffeyville Municipal Airport Kansas	Manual J	COFFEYVILLE MUNI KS	ASHRAE
Kansas	Morris	97	10	1.1	FT RILEY/MARSHALL A KS	ASHRAE	FT RILEY/MARSHALL A KS	ASHRAE
Kansas	Morton	99	11	0.9	ELKHART MORTON CO KS	ASHRAE	ELKHART MORTON CO KS	ASHRAE
Kansas	Nemaha	92	3	1.4	FALLS CITY/BRENNER NE	ASHRAE	FALLS CITY/BRENNER NE	ASHRAE
Kansas	Neosho	95	12	1.0	Chanute Martin Johnson Airport Kansas	Manual J	Chanute Martin Johnson Airport Kansas	Manual J
Kansas	Ness	97	8	1.2	Dodge City Regional Airport Kansas	Manual J	Dodge City Regional Airport Kansas	Manual J
Kansas	Norton	99	7	1.4	Hill City Municipal Airport Kansas	Manual J	Hill City Municipal Airport Kansas	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Kansas	Osage	94	7	1.3	Topeka Municipal Airport Kansas	Manual J	Topeka Forbes Field Kansas	Manual J
Kansas	Osborne	97	5	1.3	RUSSELL MUNI KS	ASHRAE	Russell Municipal Airport Kansas	Manual J
Kansas	Ottawa	98	7	1.1	SALINA MUNI KS	ASHRAE	Salina Municipal Airport Kansas	Manual J
Kansas	Pawnee	97	9	1.3	GREAT BEND MUNI KS	ASHRAE	GREAT BEND MUNI KS	ASHRAE
Kansas	Phillips	99	7	1.4	Hill City Municipal Airport Kansas	Manual J	Hill City Municipal Airport Kansas	Manual J
Kansas	Pottawatomie	97	10	1.1	Manhattan Regional Airport Kansas	Manual J	FT RILEY/MARSHALL A KS	ASHRAE
Kansas	Pratt	100	12	0.9	Medicine Lodge ASOS Kansas	Manual J	Medicine Lodge ASOS Kansas	Manual J
Kansas	Rawlins	99	7	1.6	Mc Cook Municipal Airport Nebraska	Manual J	MCCOOK RGNL NE	ASHRAE
Kansas	Reno	99	8	1.3	Hutchinson Airport Kansas	Manual J	Hutchinson Airport Kansas	Manual J
Kansas	Republic	96	5	1.4	Concordia Blosser Municipal Airport Kansas	Manual J	Concordia Blosser Municipal Airport Kansas	Manual J
Kansas	Rice	99	8	1.3	Hutchinson Airport Kansas	Manual J	Hutchinson Airport Kansas	Manual J
Kansas	Riley	97	6	1.2	Manhattan Regional Airport Kansas	Manual J	Ft Riley Kansas	Manual J
Kansas	Rooks	99	7	1.4	Hays Municipal Airport Kansas	Manual J	Hays Municipal Airport Kansas	Manual J
Kansas	Rush	99	7	1.4	Hays Municipal Airport Kansas	Manual J	Hays Municipal Airport Kansas	Manual J
Kansas	Russell	97	5	1.3	RUSSELL MUNI KS	ASHRAE	Russell Municipal Airport Kansas	Manual J
Kansas	Saline	98	7	1.1	SALINA MUNI KS	ASHRAE	Salina Municipal Airport Kansas	Manual J
Kansas	Scott	97	6	1.3	Garden City Municipal Airport Kansas	Manual J	Garden City Municipal Airport Kansas	Manual J
Kansas	Sedgwick	97	11	1.0	WICHITA/MID-CONTINE KS	ASHRAE	Wichita Mid-Continent Airport Kansas	Manual J
Kansas	Seward	98	12	1.2	LIBERAL MUNI KS	ASHRAE	LIBERAL MUNI KS	ASHRAE
Kansas	Shawnee	94	7	1.3	Topeka Municipal Airport Kansas	Manual J	Topeka Forbes Field Kansas	Manual J
Kansas	Sheridan	99	7	1.4	Hill City Municipal Airport Kansas	Manual J	Hill City Municipal Airport Kansas	Manual J
Kansas	Sherman	95	4	1.8	Goodland Renner Field Kansas	Manual J	Goodland Renner Field Kansas	Manual J
Kansas	Smith	92	5	1.8	Holdrege Brewster Field Airport Nebraska	Manual J	BREWSTER FLD NE	ASHRAE
Kansas	Stafford	97	9	1.3	GREAT BEND MUNI KS	ASHRAE	GREAT BEND MUNI KS	ASHRAE
Kansas	Stanton	99	11	0.9	ELKHART MORTON CO KS	ASHRAE	ELKHART MORTON CO KS	ASHRAE
Kansas	Stevens	98	12	1.2	LIBERAL MUNI KS	ASHRAE	LIBERAL MUNI KS	ASHRAE
Kansas	Sumner	97	11	1.0	WICHITA/MID-CONTINE KS	ASHRAE	Wichita Mid-Continent Airport Kansas	Manual J
Kansas	Thomas	95	4	1.8	Goodland Renner Field Kansas	Manual J	Goodland Renner Field Kansas	Manual J
Kansas	Trego	99	7	1.4	Hill City Municipal Airport Kansas	Manual J	Hill City Municipal Airport Kansas	Manual J



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Kansas	Wabaunsee	97	7	1.3	Manhattan Regional Airport Kansas	Manual J	Topeka Forbes Field Kansas	Manual J
Kansas	Wallace	95	4	1.8	Goodland Renner Field Kansas	Manual J	Goodland Renner Field Kansas	Manual J
Kansas	Washington	96	5	1.4	Concordia Blosser Municipal Airport Kansas	Manual J	Concordia Blosser Municipal Airport Kansas	Manual J
Kansas	Wichita	97	6	1.3	Garden City Municipal Airport Kansas	Manual J	Garden City Municipal Airport Kansas	Manual J
Kansas	Wilson	95	12	1.0	Chanute Martin Johnson Airport Kansas	Manual J	Chanute Martin Johnson Airport Kansas	Manual J
Kansas	Woodson	95	12	1.0	Chanute Martin Johnson Airport Kansas	Manual J	Chanute Martin Johnson Airport Kansas	Manual J
Kansas	Wyandotte	94	9	1.0	Kansas City Downtown Airport Missouri	Manual J	Kansas City Downtown Airport Missouri	Manual J

## Kentucky

Kentucky	Adair	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Allen	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Anderson	90	14	1.2	CAPITAL CITY ARPT KY	ASHRAE	CAPITAL CITY ARPT KY	ASHRAE
Kentucky	Ballard	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Kentucky	Barren	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Bath	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Bell	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Kentucky	Boone	89	7	1.3	CINCINNATI/GREATER KY	ASHRAE	Covington Airport Kentucky	Manual J
Kentucky	Bourbon	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Boyd	91	10	1.6	Ashland Kentucky	Manual J	Ashland Kentucky	Manual J
Kentucky	Boyle	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Bracken	90	12	1.3	CINCINNATI MUNI LUN OH	ASHRAE	Cincinnati Municipal Airport Ohio	Manual J
Kentucky	Breathitt	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Breckinridge	91	14	1.1	Fort Knox Kentucky	Manual J	Fort Knox Kentucky	Manual J
Kentucky	Bullitt	92	14	1.1	LOUISVILLE/STANDIFO KY	ASHRAE	Fort Knox Kentucky	Manual J
Kentucky	Butler	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Caldwell	93	10	0.9	Madisonville Kentucky	Manual J	Madisonville Kentucky	Manual J
Kentucky	Calloway	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Kentucky	Campbell	90	12	1.3	CINCINNATI MUNI LUN OH	ASHRAE	Cincinnati Municipal Airport Ohio	Manual J



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Kentucky	Carlisle	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Kentucky	Carroll	90	14	1.2	CAPITAL CITY ARPT KY	ASHRAE	CAPITAL CITY ARPT KY	ASHRAE
Kentucky	Carter	92	10	1.5	Portsmouth Ohio	Manual J	Portsmouth Ohio	Manual J
Kentucky	Casey	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Christian	93	15	1.0	Hopkinsville Campbell Air Force Base Kentucky	Manual J	Hopkinsville Campbell Air Force Base Kentucky	Manual J
Kentucky	Clark	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Clay	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Kentucky	Clinton	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Crittenden	93	10	0.9	Madisonville Kentucky	Manual J	Madisonville Kentucky	Manual J
Kentucky	Cumberland	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Daviess	94	10	0.9	Owensboro Kentucky	Manual J	Owensboro Kentucky	Manual J
Kentucky	Edmonson	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Elliott	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Estill	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Kentucky	Fayette	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Fleming	92	10	1.5	Portsmouth Ohio	Manual J	Portsmouth Ohio	Manual J
Kentucky	Floyd	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Franklin	90	14	1.2	CAPITAL CITY ARPT KY	ASHRAE	CAPITAL CITY ARPT KY	ASHRAE
Kentucky	Fulton	95	19	0.7	Sikeston Missouri	Manual J	Dyersburg Municipal Airport Tennessee	Manual J
Kentucky	Gallatin	89	7	1.3	CINCINNATI/GREATER KY	ASHRAE	Covington Airport Kentucky	Manual J
Kentucky	Garrard	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Grant	89	7	1.3	CINCINNATI/GREATER KY	ASHRAE	Covington Airport Kentucky	Manual J
Kentucky	Graves	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Kentucky	Grayson	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Green	91	14	1.1	Fort Knox Kentucky	Manual J	Fort Knox Kentucky	Manual J
Kentucky	Greenup	92	10	1.5	Portsmouth Ohio	Manual J	Portsmouth Ohio	Manual J
Kentucky	Hancock	94	10	0.9	Owensboro Kentucky	Manual J	Owensboro Kentucky	Manual J
Kentucky	Hardin	91	14	1.1	Fort Knox Kentucky	Manual J	Fort Knox Kentucky	Manual J



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Kentucky	Harlan	84	12	1.4	LONESOME PINE VA	ASHRAE	LONESOME PINE VA	ASHRAE
Kentucky	Harrison	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Hart	91	14	1.1	Fort Knox Kentucky	Manual J	Fort Knox Kentucky	Manual J
Kentucky	Henderson	91	14	1.1	HENDERSON CITY CO KY	ASHRAE	HENDERSON CITY CO KY	ASHRAE
Kentucky	Henry	90	14	1.2	CAPITAL CITY ARPT KY	ASHRAE	CAPITAL CITY ARPT KY	ASHRAE
Kentucky	Hickman	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Kentucky	Hopkins	93	10	0.9	Madisonville Kentucky	Manual J	Madisonville Kentucky	Manual J
Kentucky	Jackson	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Kentucky	Jefferson	92	14	1.0	LOUISVILLE/STANDIFO KY	ASHRAE	Louisville Bowman Field Kentucky	Manual J
Kentucky	Jessamine	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Johnson	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Kenton	89	7	1.3	CINCINNATI/GREATER KY	ASHRAE	Covington Airport Kentucky	Manual J
Kentucky	Knott	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Knox	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Kentucky	Larue	91	14	1.1	Fort Knox Kentucky	Manual J	Fort Knox Kentucky	Manual J
Kentucky	Laurel	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Kentucky	Lawrence	90	15	1.1	HUNTINGTON/TRI STAT WV	ASHRAE	Huntington Tri-State Airport West Virginia	Manual J
Kentucky	Lee	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Leslie	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Letcher	84	12	1.4	LONESOME PINE VA	ASHRAE	LONESOME PINE VA	ASHRAE
Kentucky	Lewis	92	10	1.5	Portsmouth Ohio	Manual J	Portsmouth Ohio	Manual J
Kentucky	Lincoln	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Livingston	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Kentucky	Logan	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Lyon	93	10	0.9	Madisonville Kentucky	Manual J	Madisonville Kentucky	Manual J
Kentucky	Madison	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Magoffin	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Marion	90	14	1.2	CAPITAL CITY ARPT KY	ASHRAE	CAPITAL CITY ARPT KY	ASHRAE



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Kentucky	Marshall	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Kentucky	Martin	90	15	1.1	HUNTINGTON/TRI STAT WV	ASHRAE	Huntington Tri-State Airport West Virginia	Manual J
Kentucky	Mason	90	12	1.3	CINCINNATI MUNI LUN OH	ASHRAE	Cincinnati Municipal Airport Ohio	Manual J
Kentucky	McCracken	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Kentucky	McCreary	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	McLean	94	10	0.9	Owensboro Kentucky	Manual J	Owensboro Kentucky	Manual J
Kentucky	Meade	91	14	1.1	Fort Knox Kentucky	Manual J	Fort Knox Kentucky	Manual J
Kentucky	Menifee	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Mercer	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Metcalfe	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Monroe	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Montgomery	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Morgan	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Muhlenberg	93	10	0.9	Madisonville Kentucky	Manual J	Madisonville Kentucky	Manual J
Kentucky	Nelson	92	14	1.0	LOUISVILLE/STANDIFO KY	ASHRAE	Louisville Bowman Field Kentucky	Manual J
Kentucky	Nicholas	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Ohio	94	10	0.9	Owensboro Kentucky	Manual J	Owensboro Kentucky	Manual J
Kentucky	Oldham	93	14	1.0	Jeffersonville Indiana	Manual J	Louisville Bowman Field Kentucky	Manual J
Kentucky	Owen	90	14	1.2	CAPITAL CITY ARPT KY	ASHRAE	CAPITAL CITY ARPT KY	ASHRAE
Kentucky	Owsley	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Pendleton	90	12	1.3	CINCINNATI MUNI LUN OH	ASHRAE	Cincinnati Municipal Airport Ohio	Manual J
Kentucky	Perry	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Pike	84	12	1.4	LONESOME PINE VA	ASHRAE	LONESOME PINE VA	ASHRAE
Kentucky	Powell	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Pulaski	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Robertson	90	12	1.3	CINCINNATI MUNI LUN OH	ASHRAE	Cincinnati Municipal Airport Ohio	Manual J
Kentucky	Rockcastle	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Kentucky	Rowan	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J



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Kentucky	Russell	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Scott	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J
Kentucky	Shelby	90	14	1.2	CAPITAL CITY ARPT KY	ASHRAE	CAPITAL CITY ARPT KY	ASHRAE
Kentucky	Simpson	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Spencer	92	14	1.0	LOUISVILLE/STANDIFO KY	ASHRAE	Louisville Bowman Field Kentucky	Manual J
Kentucky	Taylor	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Todd	93	15	1.0	Hopkinsville Campbell Air Force Base Kentucky	Manual J	Hopkinsville Campbell Air Force Base Kentucky	Manual J
Kentucky	Trigg	93	15	1.0	Hopkinsville Campbell Air Force Base Kentucky	Manual J	Hopkinsville Campbell Air Force Base Kentucky	Manual J
Kentucky	Trimble	93	14	1.0	Jeffersonville Indiana	Manual J	Louisville Bowman Field Kentucky	Manual J
Kentucky	Union	91	14	1.1	HENDERSON CITY CO KY	ASHRAE	HENDERSON CITY CO KY	ASHRAE
Kentucky	Warren	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Kentucky	Washington	90	14	1.2	CAPITAL CITY ARPT KY	ASHRAE	CAPITAL CITY ARPT KY	ASHRAE
Kentucky	Wayne	92	18	0.9	Somerset Kentucky	Manual J	SOMERSET PULASKI CO KY	ASHRAE
Kentucky	Webster	93	10	0.9	Madisonville Kentucky	Manual J	Madisonville Kentucky	Manual J
Kentucky	Whitley	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Kentucky	Wolfe	88	15	1.1	JACKSON CARROLL ARPT KY	ASHRAE	Jackson Julian Carroll Airport Kentucky	Manual J
Kentucky	Woodford	90	13	1.2	LEXINGTON/BLUE GRAS KY	ASHRAE	Lexington Bluegrass Airport Kentucky	Manual J

## Louisiana

Louisiana	Acadia	93	32	0.2	Lafayette Regional Airport Louisiana	Manual J	Lafayette Regional Airport Louisiana	Manual J
Louisiana	Allen	94	30	0.3	Leesville Fort Polk Louisiana	Manual J	Leesville Fort Polk Louisiana	Manual J
Louisiana	Ascension	93	31	0.2	BATON ROUGE METRO R LA	ASHRAE	Baton Rouge Ryan Airport Louisiana	Manual J
Louisiana	Assumption	91	36	0.2	HARRY P WILLIAMS MEM LA	ASHRAE	HARRY P WILLIAMS MEM LA	ASHRAE
Louisiana	Avoyelles	95	28	0.3	ESLER RGNL LA	ASHRAE	Alexandria Esler Regional Airport Louisiana	Manual J
Louisiana	Beauregard	87	36	0.2	Sabine Texas	Manual J	Sabine Texas	Manual J
Louisiana	Bienville	96	25	0.4	Minden Louisiana	Manual J	Minden Louisiana	Manual J
Louisiana	Bossier	97	27	0.4	SHREVEPORT DOWNTOWN LA	ASHRAE	Barksdale Air Force Base Louisiana	Manual J
Louisiana	Caddo	97	28	0.3	Shreveport Downtown Louisiana	Manual J	Shreveport Regional Airport Louisiana	Manual J



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Louisiana	Calcasieu	93	33	0.2	Lake Charles Regional Airport Louisiana	Manual J	Lake Charles Regional Airport Louisiana	Manual J
Louisiana	Caldwell	95	27	0.4	MONROE RGNL LA	ASHRAE	Monroe Regional Airport Louisiana	Manual J
Louisiana	Cameron	93	33	0.2	Lake Charles Regional Airport Louisiana	Manual J	Lake Charles Regional Airport Louisiana	Manual J
Louisiana	Catahoula	95	28	0.3	ESLER RGNL LA	ASHRAE	Alexandria Esler Regional Airport Louisiana	Manual J
Louisiana	Claiborne	96	25	0.4	Minden Louisiana	Manual J	Minden Louisiana	Manual J
Louisiana	Concordia	91	28	0.4	NATCHEZ/HARDY(AWOS) MS	ASHRAE	NATCHEZ/HARDY(AWOS) MS	ASHRAE
Louisiana	De Soto	97	28	0.3	Shreveport Downtown Louisiana	Manual J	Shreveport Regional Airport Louisiana	Manual J
Louisiana	East Baton Rouge	93	31	0.2	BATON ROUGE METRO R LA	ASHRAE	Baton Rouge Ryan Airport Louisiana	Manual J
Louisiana	East Carroll	95	28	0.4	VICKSBURG\TALLULAH LA	ASHRAE	VICKSBURG\TALLULAH LA	ASHRAE
Louisiana	East Feliciana	93	31	0.2	BATON ROUGE METRO R LA	ASHRAE	Baton Rouge Ryan Airport Louisiana	Manual J
Louisiana	Evangeline	93	32	0.2	Lafayette Regional Airport Louisiana	Manual J	Lafayette Regional Airport Louisiana	Manual J
Louisiana	Franklin	95	27	0.4	MONROE RGNL LA	ASHRAE	Monroe Regional Airport Louisiana	Manual J
Louisiana	Grant	95	28	0.3	ESLER RGNL LA	ASHRAE	Alexandria Esler Regional Airport Louisiana	Manual J
Louisiana	Iberia	93	34	0.2	NEW IBERIA/ACADIANA LA	ASHRAE	NEW IBERIA/ACADIANA LA	ASHRAE
Louisiana	Iberville	93	31	0.2	BATON ROUGE METRO R LA	ASHRAE	Baton Rouge Ryan Airport Louisiana	Manual J
Louisiana	Jackson	95	27	0.4	MONROE RGNL LA	ASHRAE	Monroe Regional Airport Louisiana	Manual J
Louisiana	Jefferson	92	35	0.2	NEW ORLEANS/MOISANT LA	ASHRAE	New Orleans International Airport Louisiana	Manual J
Louisiana	Jefferson Davis	93	33	0.2	Lake Charles Regional Airport Louisiana	Manual J	Lake Charles Regional Airport Louisiana	Manual J
Louisiana	Lafayette	93	32	0.2	Lafayette Regional Airport Louisiana	Manual J	Lafayette Regional Airport Louisiana	Manual J
Louisiana	Lafourche	93	35	0.2	Houma Louisiana	Manual J	Houma Louisiana	Manual J
Louisiana	LaSalle	95	28	0.3	ESLER RGNL LA	ASHRAE	Alexandria Esler Regional Airport Louisiana	Manual J
Louisiana	Lincoln	96	25	0.4	Minden Louisiana	Manual J	Minden Louisiana	Manual J
Louisiana	Livingston	93	31	0.2	BATON ROUGE METRO R LA	ASHRAE	Baton Rouge Ryan Airport Louisiana	Manual J
Louisiana	Madison	95	28	0.4	VICKSBURG\TALLULAH LA	ASHRAE	VICKSBURG\TALLULAH LA	ASHRAE
Louisiana	Morehouse	95	27	0.4	MONROE RGNL LA	ASHRAE	Monroe Regional Airport Louisiana	Manual J
Louisiana	Natchitoches	95	26	0.4	Natchitoches Louisiana	Manual J	Natchitoches Louisiana	Manual J
Louisiana	Orleans	92	39	0.1	New Orleans Lakefront Airport Louisiana	Manual J	LAKEFRONT LA	ASHRAE
Louisiana	Ouachita	95	27	0.4	MONROE RGNL LA	ASHRAE	Monroe Regional Airport Louisiana	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Louisiana	Plaquemines	91	34	0.2	NEW ORLEANS NAS JRB LA	ASHRAE	New Orleans Naval Air Station Louisiana	Manual J
Louisiana	Pointe Coupee	93	31	0.2	BATON ROUGE METRO R LA	ASHRAE	Baton Rouge Ryan Airport Louisiana	Manual J
Louisiana	Rapides	95	28	0.3	ESLER RGNL LA	ASHRAE	Alexandria Esler Regional Airport Louisiana	Manual J
Louisiana	Red River	95	26	0.4	Natchitoches Louisiana	Manual J	Natchitoches Louisiana	Manual J
Louisiana	Richland	95	27	0.4	MONROE RGNL LA	ASHRAE	Monroe Regional Airport Louisiana	Manual J
Louisiana	Sabine	95	26	0.4	Natchitoches Louisiana	Manual J	Natchitoches Louisiana	Manual J
Louisiana	St. Bernard	92	32	0.2	Keesler Air Force Base Biloxi Mississippi	Manual J	GULFPORT BILOXI INT MS	ASHRAE
Louisiana	St. Charles	92	35	0.2	NEW ORLEANS/MOISANT LA	ASHRAE	New Orleans International Airport Louisiana	Manual J
Louisiana	St. Helena	93	28	0.3	McComb Pike Co. Airport Mississippi	Manual J	McComb Pike Co. Airport Mississippi	Manual J
Louisiana	St. James	93	35	0.2	Houma Louisiana	Manual J	Houma Louisiana	Manual J
Louisiana	St. John the Baptist	92	35	0.2	NEW ORLEANS/MOISANT LA	ASHRAE	New Orleans International Airport Louisiana	Manual J
Louisiana	St. Landry	93	32	0.2	Lafayette Regional Airport Louisiana	Manual J	Lafayette Regional Airport Louisiana	Manual J
Louisiana	St. Martin	93	34	0.2	NEW IBERIA/ACADIANA LA	ASHRAE	NEW IBERIA/ACADIANA LA	ASHRAE
Louisiana	St. Mary	91	36	0.2	HARRY P WILLIAMS MEM LA	ASHRAE	HARRY P WILLIAMS MEM LA	ASHRAE
Louisiana	St. Tammany	91	30	0.3	SLIDELL LA	ASHRAE	SLIDELL LA	ASHRAE
Louisiana	Tangipahoa	93	28	0.3	McComb Pike Co. Airport Mississippi	Manual J	McComb Pike Co. Airport Mississippi	Manual J
Louisiana	Tensas	91	28	0.4	NATCHEZ/HARDY(AWOS) MS	ASHRAE	NATCHEZ/HARDY(AWOS) MS	ASHRAE
Louisiana	Terrebonne	93	35	0.2	Houma Louisiana	Manual J	Houma Louisiana	Manual J
Louisiana	Union	95	27	0.4	MONROE RGNL LA	ASHRAE	Monroe Regional Airport Louisiana	Manual J
Louisiana	Vermilion	93	34	0.2	NEW IBERIA/ACADIANA LA	ASHRAE	NEW IBERIA/ACADIANA LA	ASHRAE
Louisiana	Vernon	94	30	0.3	Leesville Fort Polk Louisiana	Manual J	Leesville Fort Polk Louisiana	Manual J
Louisiana	Washington	93	28	0.3	Bogalusa Louisiana	Manual J	Bogalusa Louisiana	Manual J
Louisiana	Webster	96	25	0.4	Minden Louisiana	Manual J	Minden Louisiana	Manual J
Louisiana	West Baton Rouge	93	31	0.2	BATON ROUGE METRO R LA	ASHRAE	Baton Rouge Ryan Airport Louisiana	Manual J
Louisiana	West Carroll	95	28	0.4	VICKSBURG\TALLULAH LA	ASHRAE	VICKSBURG\TALLULAH LA	ASHRAE
Louisiana	West Feliciana	93	31	0.2	BATON ROUGE METRO R LA	ASHRAE	Baton Rouge Ryan Airport Louisiana	Manual J
Louisiana	Winn	95	26	0.4	Natchitoches Louisiana	Manual J	Natchitoches Louisiana	Manual J



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<b>Massachusetts</b>								
Massachusetts	Barnstable	82	13	2.4	Falmouth Area Massachusetts	Manual J	Otis ANG; Forestdale-Mashpee Massachusetts	Manual J
Massachusetts	Berkshire	84	-3	2.5	Pittsfield Airport Massachusetts	Manual J	Pittsfield Airport Massachusetts	Manual J
Massachusetts	Bristol	88	9	1.9	TAUNTON MUNI MA	ASHRAE	Fall River Massachusetts	Manual J
Massachusetts	Dukes	81	12	2.6	MARTHAS VINEYARD MA	ASHRAE	Marthas Vineyard Massachusetts	Manual J
Massachusetts	Essex	88	5	1.9	Lawrence Municipal Airport Massachusetts	Manual J	Gloucester Massachusetts	Manual J
Massachusetts	Franklin	86	-2	2.8	ORANGE MUNI MA	ASHRAE	Greenfield Massachusetts	Manual J
Massachusetts	Hampden	88	0	2.9	BARNES MUNI MA	ASHRAE	Springfield Westover Air Force Base Massachusetts	Manual J
Massachusetts	Hampshire	88	0	2.9	BARNES MUNI MA	ASHRAE	Springfield Westover Air Force Base Massachusetts	Manual J
Massachusetts	Middlesex	88	1	2.6	LAURENCE G HANSCOM MA	ASHRAE	Lowell Massachusetts	Manual J
Massachusetts	Nantucket	77	18	2.4	NANTUCKET MEM MA	ASHRAE	NANTUCKET MEM MA	ASHRAE
Massachusetts	Norfolk	88	9	2.4	Norwood Memorial Massachusetts	Manual J	Norwood Memorial Massachusetts	Manual J
Massachusetts	Plymouth	88	10	2.4	South Weymouth Naval Air Station Massachusetts	Manual J	PLYMOUTH MUNICIPAL MA	ASHRAE
Massachusetts	Suffolk	88	12	1.9	Boston Logan International Airport Massachusetts	Manual J	Boston Logan International Airport Massachusetts	Manual J
Massachusetts	Worcester	87	2	2.6	Clinton Massachusetts	Manual J	Clinton Massachusetts	Manual J
<b>Maryland</b>								
Maryland	Allegany	89	10	1.6	Cumberland Maryland	Manual J	Cumberland Maryland	Manual J
Maryland	Anne Arundel	91	17	1.2	BALTIMORE-WASHINGTO MD	ASHRAE	Baltimore-Washington International Airport Maryland	Manual J
Maryland	Baltimore	89	17	0.8	Baltimore City Office Maryland	Manual J	Baltimore City Office Maryland	Manual J
Maryland	Baltimore City	89	17	0.8	Baltimore City Office Maryland	Manual J	Baltimore City Office Maryland	Manual J
Maryland	Calvert	90	21	1.0	Lexington Park Patuxent River Naval Air Station Maryland	Manual J	PATUXENT RIVER NAS MD	ASHRAE
Maryland	Caroline	90	18	1.2	Dover Air Force Base Delaware	Manual J	Dover Air Force Base Delaware	Manual J
Maryland	Carroll	91	12	1.7	Fredrick Airport Maryland	Manual J	YORK PA	ASHRAE
Maryland	Cecil	89	16	1.3	WILMINGTON NEW CAST DE	ASHRAE	Wilmington New Castle Co. Airport Delaware	Manual J
Maryland	Charles	90	20	1.0	QUANTICO MCAF VA	ASHRAE	QUANTICO MCAF VA	ASHRAE
Maryland	Dorchester	90	21	1.0	Lexington Park Patuxent River Naval Air Station Maryland	Manual J	PATUXENT RIVER NAS MD	ASHRAE



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Maryland	Frederick	91	12	1.1	Fredrick Airport Maryland	Manual J	Fredrick Airport Maryland	Manual J
Maryland	Garrett	89	10	1.6	Cumberland Maryland	Manual J	Cumberland Maryland	Manual J
Maryland	Harford	89	17	0.8	Baltimore City Office Maryland	Manual J	Baltimore City Office Maryland	Manual J
Maryland	Howard	91	17	0.8	BALTIMORE-WASHINGTO MD	ASHRAE	Baltimore City Office Maryland	Manual J
Maryland	Kent	91	17	1.2	BALTIMORE-WASHINGTO MD	ASHRAE	Baltimore-Washington International Airport Maryland	Manual J
Maryland	Montgomery	92	14	1.6	WASHINGTON/NATIONAL DC	ASHRAE	Sterling Virginia	Manual J
Maryland	Prince George's	91	18	1.1	Andrews Air Force Base Maryland	Manual J	Andrews Air Force Base Maryland	Manual J
Maryland	Queen Anne's	91	17	1.2	BALTIMORE-WASHINGTO MD	ASHRAE	Baltimore-Washington International Airport Maryland	Manual J
Maryland	Somerset	90	22	1.0	SALISBURY OCEAN CIT MD	ASHRAE	WALLOPS ISL STN VA	ASHRAE
Maryland	St. Mary's	90	21	1.0	Lexington Park Patuxent River Naval Air Station Maryland	Manual J	PATUXENT RIVER NAS MD	ASHRAE
Maryland	Talbot	90	21	1.0	Lexington Park Patuxent River Naval Air Station Maryland	Manual J	PATUXENT RIVER NAS MD	ASHRAE
Maryland	Washington	91	12	1.6	Hagerstown Maryland	Manual J	Hagerstown Maryland	Manual J
Maryland	Wicomico	90	18	1.1	SALISBURY OCEAN CIT MD	ASHRAE	Salisbury Wicomico Co. Airport Maryland	Manual J
Maryland	Worcester	88	21	1.0	OCEAN CITY MUNI MD	ASHRAE	OCEAN CITY MUNI MD	ASHRAE

### Maine

Maine	Androscoggin	85	-2	3.0	Lewiston Maine	Manual J	Lewiston Maine	Manual J
Maine	Aroostook	82	-17	8.1	Presque Isle Municipal Airport Maine	Manual J	CLAYTON LAKE ME	ASHRAE
Maine	Cumberland	84	2	3.4	Portland International Jetport Maine	Manual J	Brunswick Naval Air Station Maine	Manual J
Maine	Franklin	85	-2	3.0	Lewiston Maine	Manual J	Lewiston Maine	Manual J
Maine	Hancock	79	1	4.7	Bar Harbor Maine	Manual J	Bar Harbor Maine	Manual J
Maine	Kennebec	84	-1	3.9	Augusta Airport Maine	Manual J	Waterville Maine	Manual J
Maine	Knox	79	3	4.8	Rockland Knox Maine	Manual J	Rockland Knox Maine	Manual J
Maine	Lincoln	82	1	3.9	Wiscasset Municipal Airport Maine	Manual J	Wiscasset Municipal Airport Maine	Manual J
Maine	Oxford	86	-6	3.7	EASTERN SLOPES RGNL ME	ASHRAE	EASTERN SLOPES RGNL ME	ASHRAE
Maine	Penobscot	84	-9	4.9	BANGOR INTL ME	ASHRAE	Millinocket Airport Maine	Manual J
Maine	Piscataquis	81	-9	5.4	Greenville Maine	Manual J	Greenville Maine	Manual J
Maine	Sagadahoc	82	2	3.4	Wiscasset Municipal Airport Maine	Manual J	Brunswick Naval Air Station Maine	Manual J
Maine	Somerset	81	-9	5.4	Greenville Maine	Manual J	Greenville Maine	Manual J



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Maine	Waldo	79	3	4.8	Rockland Knox Maine	Manual J	Rockland Knox Maine	Manual J
Maine	Washington	79	1	4.7	Bar Harbor Maine	Manual J	Bar Harbor Maine	Manual J
Maine	York	85	0	3.8	SANFORD RGNL ME	ASHRAE	Sanford Municipal Airport Maine	Manual J
<b>Michigan</b>								
Michigan	Alcona	86	3	3.4	OSCODA WURTSMITH MI	ASHRAE	OSCODA WURTSMITH MI	ASHRAE
Michigan	Alger	83	-9	6.6	Marquette Sawyer Air Force Base Michigan	Manual J	Marquette Co. Airport Michigan	Manual J
Michigan	Allegan	86	10	2.4	TULIP CITY MI	ASHRAE	Holland Tulip City Airport Michigan	Manual J
Michigan	Alpena	85	0	4.2	Alpena Co. Regional Airport Michigan	Manual J	Alpena Co. Regional Airport Michigan	Manual J
Michigan	Antrim	84	0	3.9	ANTRIM CO MI	ASHRAE	Antrim Co. Airport Michigan	Manual J
Michigan	Arenac	86	3	3.4	OSCODA WURTSMITH MI	ASHRAE	OSCODA WURTSMITH MI	ASHRAE
Michigan	Baraga	81	-1	5.4	HOUGHTON COUNTY MI	ASHRAE	Hancock Houghton Co. Airport Michigan	Manual J
Michigan	Barry	87	6	2.5	GRAND RAPIDS/KENT C MI	ASHRAE	Grand Rapids Kent Co. International Airport Michigan	Manual J
Michigan	Bay	87	4	2.7	Saginaw Tri City International Airport Michigan	Manual J	Saginaw Tri City International Airport Michigan	Manual J
Michigan	Benzie	82	7	3.8	Manistee Michigan	Manual J	Manistee Michigan	Manual J
Michigan	Berrien	86	10	2.4	Benton Harbor South West Michigan Regional Airport Michigan	Manual J	Benton Harbor South West Michigan Regional Airport Michigan	Manual J
Michigan	Branch	88	7	2.2	BRANCH CO MEM MI	ASHRAE	BRANCH CO MEM MI	ASHRAE
Michigan	Calhoun	88	7	2.2	BROOKS FLD MI	ASHRAE	BROOKS FLD MI	ASHRAE
Michigan	Cass	88	5	2.0	SOUTH BEND/ST.JOSEP IN	ASHRAE	South Bend Michiana Regional Airport Indiana	Manual J
Michigan	Charlevoix	82	7	3.6	CHARLEVOIX MUNI MI	ASHRAE	CHARLEVOIX MUNI MI	ASHRAE
Michigan	Cheboygan	84	-4	4.3	Pellston Emmet Co. Airport Michigan	Manual J	Pellston Emmet Co. Airport Michigan	Manual J
Michigan	Chippewa	81	-6	5.6	Chippewa Co. International Airport Michigan	Manual J	Sault St. Marie Sanderson Field Michigan	Manual J
Michigan	Clare	87	4	3.1	Mount Pleasant Michigan	Manual J	Mount Pleasant Michigan	Manual J
Michigan	Clinton	87	3	2.7	Lansing Capital City Airport Michigan	Manual J	Lansing Capital City Airport Michigan	Manual J
Michigan	Crawford	84	-1	3.9	Houghton Lake Roscommon Co. Airport Michigan	Manual J	Houghton Lake Roscommon Co. Airport Michigan	Manual J
Michigan	Delta	80	-3	5.1	DELTA CO MI	ASHRAE	Escanaba Michigan	Manual J
Michigan	Dickinson	84	-6	4.5	FORD MI	ASHRAE	FORD MI	ASHRAE
Michigan	Eaton	87	3	2.7	Lansing Capital City Airport Michigan	Manual J	Lansing Capital City Airport Michigan	Manual J



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Michigan	Emmet	84	-4	4.3	Pellston Emmet Co. Airport Michigan	Manual J	Pellston Emmet Co. Airport Michigan	Manual J
Michigan	Genesee	87	4	2.6	Flint Bishop International Airport Michigan	Manual J	Flint Bishop International Airport Michigan	Manual J
Michigan	Gladwin	84	-1	3.9	Houghton Lake Roscommon Co. Airport Michigan	Manual J	Houghton Lake Roscommon Co. Airport Michigan	Manual J
Michigan	Gogebic	82	-8	5.2	GOCEBIC IRON CO MI	ASHRAE	GOCEBIC IRON CO MI	ASHRAE
Michigan	Grand Traverse	86	5	3.2	Traverse City Cherry Capital Airport Michigan	Manual J	Traverse City Cherry Capital Airport Michigan	Manual J
Michigan	Gratiot	87	3	2.9	GRATIOT COMMUNITY MI	ASHRAE	GRATIOT COMMUNITY MI	ASHRAE
Michigan	Hillsdale	86	7	2.3	HILLSDALE MUNICIPAL MI	ASHRAE	HILLSDALE MUNICIPAL MI	ASHRAE
Michigan	Houghton	81	-1	5.4	HOUGHTON COUNTY MI	ASHRAE	Hancock Houghton Co. Airport Michigan	Manual J
Michigan	Huron	85	3	3.5	Harbor Beach Michigan	Manual J	HURON CO MEM MI	ASHRAE
Michigan	Ingham	86	7	2.4	MASON JEWETT FLD MI	ASHRAE	MASON JEWETT FLD MI	ASHRAE
Michigan	Ionia	87	6	2.5	GRAND RAPIDS/KENT C MI	ASHRAE	Grand Rapids Kent Co. International Airport Michigan	Manual J
Michigan	Iosco	86	3	3.4	OSCODA WURTSMITH MI	ASHRAE	OSCODA WURTSMITH MI	ASHRAE
Michigan	Iron	84	-6	4.5	FORD MI	ASHRAE	FORD MI	ASHRAE
Michigan	Isabella	87	4	3.1	Mount Pleasant Michigan	Manual J	Mount Pleasant Michigan	Manual J
Michigan	Jackson	86	5	2.6	Jackson Reynolds Field Michigan	Manual J	Jackson Reynolds Field Michigan	Manual J
Michigan	Kalamazoo	88	5	2.6	Battle Creek Airport Michigan	Manual J	Battle Creek Airport Michigan	Manual J
Michigan	Kalkaska	84	0	3.9	ANTRIM CO MI	ASHRAE	Antrim Co. Airport Michigan	Manual J
Michigan	Kent	87	6	2.5	GRAND RAPIDS/KENT C MI	ASHRAE	Grand Rapids Kent Co. International Airport Michigan	Manual J
Michigan	Keweenaw	77	-4	10.7	COPPER HARBOR MI	ASHRAE	Rock Of Ages (Isle Royale) Michigan	Manual J
Michigan	Lake	86	1	3.4	ROBEN HOOD MI	ASHRAE	ROBEN HOOD MI	ASHRAE
Michigan	Lapeer	87	4	2.5	Pontiac Michigan	Manual J	Pontiac Michigan	Manual J
Michigan	Leelanau	86	5	3.2	Traverse City Cherry Capital Airport Michigan	Manual J	Traverse City Cherry Capital Airport Michigan	Manual J
Michigan	Lenawee	88	3	2.5	Adrian Michigan	Manual J	Adrian Michigan	Manual J
Michigan	Livingston	88	7	2.3	Howell Michigan	Manual J	LIVINGSTON CO MI	ASHRAE
Michigan	Luce	81	1	4.8	LUCE CO MI	ASHRAE	LUCE CO MI	ASHRAE
Michigan	Mackinac	81	-5	5.2	Mackinac Island Michigan	Manual J	Mackinac Island Michigan	Manual J
Michigan	Macomb	87	7	2.5	Mount Clemens ANGB Michigan	Manual J	Mount Clemens ANGB Michigan	Manual J



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Michigan	Manistee	82	7	3.8	Manistee Michigan	Manual J	Manistee Michigan	Manual J
Michigan	Marquette	83	-9	6.6	Marquette Sawyer Air Force Base Michigan	Manual J	Marquette Co. Airport Michigan	Manual J
Michigan	Mason	81	9	3.3	MASON CO MI	ASHRAE	MASON CO MI	ASHRAE
Michigan	Mecosta	86	1	3.4	ROBEN HOOD MI	ASHRAE	ROBEN HOOD MI	ASHRAE
Michigan	Menominee	82	-2	3.9	MENOMINEE MARINETTE MI	ASHRAE	MENOMINEE MARINETTE MI	ASHRAE
Michigan	Midland	87	4	2.7	Saginaw Tri City International Airport Michigan	Manual J	Saginaw Tri City International Airport Michigan	Manual J
Michigan	Missaukee	84	-2	4.1	Cadillac Wexford Co. Airport Michigan	Manual J	Cadillac Wexford Co. Airport Michigan	Manual J
Michigan	Monroe	88	9	2.0	CUSTER MI	ASHRAE	CUSTER MI	ASHRAE
Michigan	Montcalm	87	3	2.9	GRATIOT COMMUNITY MI	ASHRAE	GRATIOT COMMUNITY MI	ASHRAE
Michigan	Montmorency	82	0	4.2	GAYLORD RGNL MI	ASHRAE	GAYLORD RGNL MI	ASHRAE
Michigan	Muskegon	84	9	2.7	Muskegon Co. Airport Michigan	Manual J	Muskegon Co. Airport Michigan	Manual J
Michigan	Newaygo	86	1	3.4	ROBEN HOOD MI	ASHRAE	ROBEN HOOD MI	ASHRAE
Michigan	Oakland	87	4	2.5	Pontiac Michigan	Manual J	Pontiac Michigan	Manual J
Michigan	Oceana	81	9	3.3	MASON CO MI	ASHRAE	MASON CO MI	ASHRAE
Michigan	Ogemaw	84	-1	3.9	Houghton Lake Roscommon Co. Airport Michigan	Manual J	Houghton Lake Roscommon Co. Airport Michigan	Manual J
Michigan	Ontonagon	82	-4	10.7	GOCEBIC IRON CO MI	ASHRAE	Rock Of Ages (Isle Royale) Michigan	Manual J
Michigan	Osceola	84	-2	4.1	Cadillac Wexford Co. Airport Michigan	Manual J	Cadillac Wexford Co. Airport Michigan	Manual J
Michigan	Oscoda	84	-1	3.9	Houghton Lake Roscommon Co. Airport Michigan	Manual J	Houghton Lake Roscommon Co. Airport Michigan	Manual J
Michigan	Otsego	82	0	4.2	GAYLORD RGNL MI	ASHRAE	GAYLORD RGNL MI	ASHRAE
Michigan	Ottawa	84	9	2.7	Muskegon Co. Airport Michigan	Manual J	Muskegon Co. Airport Michigan	Manual J
Michigan	Presque Isle	85	0	4.2	Alpena Co. Regional Airport Michigan	Manual J	Alpena Co. Regional Airport Michigan	Manual J
Michigan	Roscommon	84	-1	3.9	Houghton Lake Roscommon Co. Airport Michigan	Manual J	Houghton Lake Roscommon Co. Airport Michigan	Manual J
Michigan	Saginaw	87	4	2.7	Saginaw Tri City International Airport Michigan	Manual J	Saginaw Tri City International Airport Michigan	Manual J
Michigan	Sanilac	85	3	3.5	Harbor Beach Michigan	Manual J	HURON CO MEM MI	ASHRAE
Michigan	Schoolcraft	77	0	5.5	SCHOOLCRAFT CO MI	ASHRAE	SCHOOLCRAFT CO MI	ASHRAE
Michigan	Shiawassee	87	7	2.3	Flint Bishop International Airport Michigan	Manual J	LIVINGSTON CO MI	ASHRAE
Michigan	St. Clair	87	4	2.6	Port Huron Michigan	Manual J	Port Huron Michigan	Manual J



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Michigan	St. Joseph	88	7	2.1	Sturgis Airport Michigan	Manual J	KIRSCH MUNI MI	ASHRAE
Michigan	Tuscola	87	3	3.5	Flint Bishop International Airport Michigan	Manual J	HURON CO MEM MI	ASHRAE
Michigan	Van Buren	86	10	2.4	Benton Harbor South West Michigan Regional Airport Michigan	Manual J	Benton Harbor South West Michigan Regional Airport Michigan	Manual J
Michigan	Washtenaw	89	5	2.6	Ypsilanti Michigan	Manual J	ANN ARBOR MUNICIPAL MI	ASHRAE
Michigan	Wayne	88	6	2.3	DETROIT CITY MI	ASHRAE	Detroit Willow Run Airport Michigan	Manual J
Michigan	Wexford	84	-2	4.1	Cadillac Wexford Co. Airport Michigan	Manual J	Cadillac Wexford Co. Airport Michigan	Manual J
<b>Minnesota</b>								
Minnesota	Aitkin	82	-15	5.4	AITKIN MUNI KURTZ FL MN	ASHRAE	Aitkin NDB Minnesota	Manual J
Minnesota	Anoka	88	-6	2.9	Minneapolis Anoka Co. Blaine Airport Minnesota	Manual J	ANOKA CO BLAINE MN	ASHRAE
Minnesota	Becker	84	-16	4.0	Detroit Lakes Minnesota	Manual J	Detroit Lakes Minnesota	Manual J
Minnesota	Beltrami	84	-17	5.5	Bemidji Municipal Airport Minnesota	Manual J	WASKISH MUNI AIRPT MN	ASHRAE
Minnesota	Benton	87	-13	3.8	St Cloud Regional Airport Minnesota	Manual J	St Cloud Regional Airport Minnesota	Manual J
Minnesota	Big Stone	88	-8	2.8	ORTONVILLE MUNI MART MN	ASHRAE	ORTONVILLE MUNI MART MN	ASHRAE
Minnesota	Blue Earth	86	-8	2.9	Mankato Minnesota	Manual J	MANKATA RGNL ARPT MN	ASHRAE
Minnesota	Brown	88	-9	3.0	New Ulm Municipal Airport Minnesota	Manual J	NEW ULM MUNI MN	ASHRAE
Minnesota	Carlton	86	-12	6.0	MOOSE LAKE CARLTON C MN	ASHRAE	CLOQUET CARLTON CO MN	ASHRAE
Minnesota	Carver	88	-10	3.2	FLYING CLOUD MN	ASHRAE	Hutchinson Minnesota	Manual J
Minnesota	Cass	84	-17	5.4	PINE RIVER RGNL MN	ASHRAE	LONGVILLE MUNI MN	ASHRAE
Minnesota	Chippewa	88	-9	3.1	Montevideo Minnesota	Manual J	Montevideo Minnesota	Manual J
Minnesota	Chisago	86	-8	3.6	RUSH CITY RGNL MN	ASHRAE	RUSH CITY RGNL MN	ASHRAE
Minnesota	Clay	88	-15	3.7	Fargo Hector International Airport North Dakota	Manual J	Fargo Hector International Airport North Dakota	Manual J
Minnesota	Clearwater	84	-17	4.7	Bemidji Municipal Airport Minnesota	Manual J	PARK RAPIDS MUNI KON MN	ASHRAE
Minnesota	Cook	79	-11	8.3	Grand Marais Municipal Airport Minnesota	Manual J	GRAND MARAIS COOK CO MN	ASHRAE
Minnesota	Cottonwood	88	-6	2.8	WINDOM MUNI MN	ASHRAE	WINDOM MUNI MN	ASHRAE
Minnesota	Crow Wing	85	-17	4.9	PEQUOT LAKE (AMOS) MN	ASHRAE	PEQUOT LAKE (AMOS) MN	ASHRAE
Minnesota	Dakota	88	-10	3.2	SOUTH ST PAUL MUNI MN	ASHRAE	AIRLAKE MN	ASHRAE
Minnesota	Dodge	86	-8	3.0	Austin Municipal Airport Minnesota	Manual J	AUSTIN MUNI MN	ASHRAE



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Minnesota	Douglas	86	-14	3.7	Alexandria Municipal Airport Minnesota	Manual J	Alexandria Municipal Airport Minnesota	Manual J
Minnesota	Faribault	86	-7	2.9	FAIRMONT MUNI(AWOS) MN	ASHRAE	FAIRMONT MUNI(AWOS) MN	ASHRAE
Minnesota	Fillmore	85	-9	3.3	Rochester International Airport Minnesota	Manual J	Rochester International Airport Minnesota	Manual J
Minnesota	Freeborn	86	-8	2.9	Albert Lea Minnesota	Manual J	ALBERT LEA (AWOS) MN	ASHRAE
Minnesota	Goodhue	88	-8	2.9	Red Wing Minnesota	Manual J	Red Wing Minnesota	Manual J
Minnesota	Grant	86	-13	3.8	Fergus Falls Minnesota	Manual J	MORRIS MUNI MN	ASHRAE
Minnesota	Hennepin	88	-8	2.7	FLYING CLOUD MN	ASHRAE	Minneapolis-St Paul International Airport Minnesota	Manual J
Minnesota	Houston	89	-6	2.4	La Crosse Municipal Airport Wisconsin	Manual J	La Crosse Municipal Airport Wisconsin	Manual J
Minnesota	Hubbard	84	-17	4.7	PARK RAPIDS MUNI KON MN	ASHRAE	PARK RAPIDS MUNI KON MN	ASHRAE
Minnesota	Isanti	88	-11	3.5	Cambridge Municipal Airport Minnesota	Manual J	CAMBRIDGE MUNI MN	ASHRAE
Minnesota	Itasca	82	-17	5.7	BIGFORK MN	ASHRAE	BIGFORK MN	ASHRAE
Minnesota	Jackson	88	-6	2.8	JACKSON MUNI MN	ASHRAE	JACKSON MUNI MN	ASHRAE
Minnesota	Kanabec	86	-11	4.1	Mora Municipal Airport Minnesota	Manual J	MORA MUNI MN	ASHRAE
Minnesota	Kandiyohi	85	-13	3.5	WILLMAR RCO MN	ASHRAE	WILLMAR RCO MN	ASHRAE
Minnesota	Kittson	85	-20	5.1	Hallock Minnesota	Manual J	Hallock Minnesota	Manual J
Minnesota	Koochiching	83	-21	6.0	International Falls International Airport Minnesota	Manual J	International Falls International Airport Minnesota	Manual J
Minnesota	Lac qui Parle	88	-9	3.1	LAC QUI PARLE CO MN	ASHRAE	LAC QUI PARLE CO MN	ASHRAE
Minnesota	Lake	82	-14	7.7	SILVER BAY MUNI MN	ASHRAE	Silver Bay Minnesota	Manual J
Minnesota	Lake of the Woods	82	-19	5.6	BAUDETTE INTL MN	ASHRAE	BAUDETTE INTL MN	ASHRAE
Minnesota	Le Sueur	86	-8	2.9	Mankato Minnesota	Manual J	MANKATA RGNL ARPT MN	ASHRAE
Minnesota	Lincoln	86	-8	3.1	Pipestone Minnesota	Manual J	PIPESTONE MUNI MN	ASHRAE
Minnesota	Lyon	88	-8	3.1	Marshall Municipal Airport Ryan Field Minnesota	Manual J	SW MINNESOTA RGNL MN	ASHRAE
Minnesota	Mahnomen	84	-16	4.0	Detroit Lakes Minnesota	Manual J	Detroit Lakes Minnesota	Manual J
Minnesota	Marshall	82	-18	5.1	Thief River Minnesota	Manual J	Thief River Minnesota	Manual J
Minnesota	Martin	86	-7	2.9	FAIRMONT MUNI(AWOS) MN	ASHRAE	FAIRMONT MUNI(AWOS) MN	ASHRAE
Minnesota	McLeod	88	-10	3.2	Hutchinson Minnesota	Manual J	Hutchinson Minnesota	Manual J
Minnesota	Meeker	85	-9	3.3	Litchfield Municipal Airport Minnesota	Manual J	LITCHFIELD MUNI MN	ASHRAE
Minnesota	Mille Lacs	88	-9	3.5	Princeton Municipal Airport Minnesota	Manual J	PRINCETON MUNI MN	ASHRAE



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Minnesota	Morrison	87	-13	3.9	Little Falls Minnesota	Manual J	LITTLE FALLS MORRISO MN	ASHRAE
Minnesota	Mower	86	-8	3.0	Austin Municipal Airport Minnesota	Manual J	AUSTIN MUNI MN	ASHRAE
Minnesota	Murray	85	-8	3.2	Worthington Minnesota	Manual J	WORTHINGTON MUNI MN	ASHRAE
Minnesota	Nicollet	88	-9	3.0	New Ulm Municipal Airport Minnesota	Manual J	NEW ULM MUNI MN	ASHRAE
Minnesota	Nobles	85	-8	3.2	Worthington Minnesota	Manual J	WORTHINGTON MUNI MN	ASHRAE
Minnesota	Norman	84	-19	4.9	Crookston Municipal Airport Minnesota	Manual J	Crookston Municipal Airport Minnesota	Manual J
Minnesota	Olmsted	85	-9	3.3	Rochester International Airport Minnesota	Manual J	Rochester International Airport Minnesota	Manual J
Minnesota	Otter Tail	86	-17	5.3	Fergus Falls Minnesota	Manual J	WADENA MN	ASHRAE
Minnesota	Pennington	82	-18	5.2	THIEF RIVER FALLS RG MN	ASHRAE	THIEF RIVER FALLS RG MN	ASHRAE
Minnesota	Pine	86	-8	3.6	MOOSE LAKE CARLTON C MN	ASHRAE	RUSH CITY RGNL MN	ASHRAE
Minnesota	Pipestone	86	-8	3.1	Pipestone Minnesota	Manual J	PIPESTONE MUNI MN	ASHRAE
Minnesota	Polk	84	-19	4.9	Crookston Municipal Airport Minnesota	Manual J	Crookston Municipal Airport Minnesota	Manual J
Minnesota	Pope	86	-11	3.3	GLENWOOD MUNI MN	ASHRAE	GLENWOOD MUNI MN	ASHRAE
Minnesota	Ramsey	88	-8	2.8	St. Paul Downtown Airport Minnesota	Manual J	St. Paul Downtown Airport Minnesota	Manual J
Minnesota	Red Lake	82	-18	5.2	THIEF RIVER FALLS RG MN	ASHRAE	THIEF RIVER FALLS RG MN	ASHRAE
Minnesota	Redwood	89	-11	2.8	Redwood Falls Municipal Airport Minnesota	Manual J	Redwood Falls Municipal Airport Minnesota	Manual J
Minnesota	Renville	89	-11	2.8	Redwood Falls Municipal Airport Minnesota	Manual J	Redwood Falls Municipal Airport Minnesota	Manual J
Minnesota	Rice	87	-9	3.0	FARIBAULT MUNI MN	ASHRAE	Faribault Municipal Airport Minnesota	Manual J
Minnesota	Rock	86	-8	3.1	Pipestone Minnesota	Manual J	PIPESTONE MUNI MN	ASHRAE
Minnesota	Roseau	84	-20	6.1	ROSEAU MUNI BILLBERG MN	ASHRAE	WARROAD INTL MN	ASHRAE
Minnesota	Scott	88	-10	3.2	FLYING CLOUD MN	ASHRAE	AIRLAKE MN	ASHRAE
Minnesota	Sherburne	87	-13	3.8	St Cloud Regional Airport Minnesota	Manual J	St Cloud Regional Airport Minnesota	Manual J
Minnesota	Sibley	88	-10	3.2	Hutchinson Minnesota	Manual J	Hutchinson Minnesota	Manual J
Minnesota	St. Louis	83	-21	6.4	Virginia Minnesota	Manual J	Virginia Minnesota	Manual J
Minnesota	Stearns	85	-9	3.3	Litchfield Municipal Airport Minnesota	Manual J	LITCHFIELD MUNI MN	ASHRAE
Minnesota	Steele	86	-9	3.0	OWATONNA DEGNER RGNL MN	ASHRAE	OWATONNA DEGNER RGNL MN	ASHRAE
Minnesota	Stevens	85	-13	3.8	MORRIS MUNI MN	ASHRAE	MORRIS MUNI MN	ASHRAE
Minnesota	Swift	88	-11	3.9	Benson Municipal Airport Minnesota	Manual J	APPLETON MUNI ARPT MN	ASHRAE



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Minnesota	Todd	84	-13	4.0	STAPLES MUNI MN	ASHRAE	STAPLES MUNI MN	ASHRAE
Minnesota	Traverse	86	-13	3.7	WHEATON MUNI MN	ASHRAE	Wheaton NDB Minnesota	Manual J
Minnesota	Wabasha	88	-8	2.9	RED WING RGNL MN	ASHRAE	RED WING RGNL MN	ASHRAE
Minnesota	Wadena	84	-13	4.0	STAPLES MUNI MN	ASHRAE	STAPLES MUNI MN	ASHRAE
Minnesota	Waseca	86	-9	3.0	OWATONNA DEGNER RGNL MN	ASHRAE	OWATONNA DEGNER RGNL MN	ASHRAE
Minnesota	Washington	88	-8	2.8	St. Paul Downtown Airport Minnesota	Manual J	St. Paul Downtown Airport Minnesota	Manual J
Minnesota	Watonwan	88	-6	2.6	St. James Municipal Airport Minnesota	Manual J	ST JAMES MUNI MN	ASHRAE
Minnesota	Wilkin	86	-13	3.7	Fergus Falls Minnesota	Manual J	Wheaton NDB Minnesota	Manual J
Minnesota	Winona	89	-4	2.5	Winona Municipal Airport Minnesota	Manual J	WINONA MUNI CONRAD F MN	ASHRAE
Minnesota	Wright	87	-13	3.8	St Cloud Regional Airport Minnesota	Manual J	St Cloud Regional Airport Minnesota	Manual J
Minnesota	Yellow Medicine	88	-9	3.1	Montevideo Minnesota	Manual J	Montevideo Minnesota	Manual J

### Missouri

Missouri	Adair	91	1	1.6	Kirksville Regional Airport Missouri	Manual J	Kirksville Regional Airport Missouri	Manual J
Missouri	Andrew	91	5	1.4	ST. JOSEPH/ROSE-CRA MO	ASHRAE	ST. JOSEPH/ROSE-CRA MO	ASHRAE
Missouri	Atchison	93	3	1.5	SHENANDOAH MUNI IA	ASHRAE	SHENANDOAH MUNI IA	ASHRAE
Missouri	Audrain	94	4	1.6	Mexico Missouri	Manual J	Mexico Missouri	Manual J
Missouri	Barry	92	16	0.9	Springfield Regional Airport Missouri	Manual J	ROGERS MUNI CARTER F AR	ASHRAE
Missouri	Barton	94	12	0.9	Joplin Municipal Airport Missouri	Manual J	Joplin Municipal Airport Missouri	Manual J
Missouri	Bates	93	10	1.2	Olathe Johnson Co. Airport Kansas	Manual J	JOHNSON CO. INDSTR KS	ASHRAE
Missouri	Benton	93	10	1.1	Sedalia Memorial Airport Missouri	Manual J	SEDALIA MEMORIAL MO	ASHRAE
Missouri	Bollinger	93	14	1.0	Farmington Airport Missouri	Manual J	Cape Girardeau Municipal Airport Missouri	Manual J
Missouri	Boone	92	7	1.3	Columbia Regional Airport Missouri	Manual J	Columbia Regional Airport Missouri	Manual J
Missouri	Buchanan	91	5	1.4	ST. JOSEPH/ROSE-CRA MO	ASHRAE	ST. JOSEPH/ROSE-CRA MO	ASHRAE
Missouri	Butler	92	16	0.9	Poplar Bluff Missouri	Manual J	Poplar Bluff Missouri	Manual J
Missouri	Caldwell	92	5	1.5	SPICKARD (AMOS) MO	ASHRAE	SPICKARD (AMOS) MO	ASHRAE
Missouri	Callaway	91	12	1.1	JEFFERSON CITY MEM MO	ASHRAE	JEFFERSON CITY MEM MO	ASHRAE
Missouri	Camden	93	12	1.1	Kaiser Memorial Airport Missouri	Manual J	LEE C FINE MEM MO	ASHRAE
Missouri	Cape Girardeau	95	14	1.0	Sikeston Missouri	Manual J	Cape Girardeau Municipal Airport Missouri	Manual J



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Missouri	Carroll	93	8	1.2	Warrensburg Whiteman Air Force Base Missouri	Manual J	Warrensburg Whiteman Air Force Base Missouri	Manual J
Missouri	Carter	93	16	0.9	Siloam Spring Arkansas	Manual J	Siloam Spring Arkansas	Manual J
Missouri	Cass	93	9	1.0	Olathe Johnson Co. Airport Kansas	Manual J	Kansas City Downtown Airport Missouri	Manual J
Missouri	Cedar	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Chariton	94	3	1.3	Moberly Missouri	Manual J	Moberly Missouri	Manual J
Missouri	Christian	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Clark	91	7	1.4	Keokuk Municipal Airport Iowa	Manual J	KEOKUK MUNI IA	ASHRAE
Missouri	Clay	94	9	1.0	Kansas City Downtown Airport Missouri	Manual J	Kansas City Downtown Airport Missouri	Manual J
Missouri	Clinton	93	5	1.3	Kansas City International Airport Missouri	Manual J	Kansas City International Airport Missouri	Manual J
Missouri	Cole	91	12	1.1	JEFFERSON CITY MEM MO	ASHRAE	JEFFERSON CITY MEM MO	ASHRAE
Missouri	Cooper	93	10	1.1	Sedalia Memorial Airport Missouri	Manual J	SEDALIA MEMORIAL MO	ASHRAE
Missouri	Crawford	92	10	1.2	Rolla National Airport Missouri	Manual J	Rolla National Airport Missouri	Manual J
Missouri	Dade	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Dallas	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Daviess	92	5	1.5	SPICKARD (AMOS) MO	ASHRAE	SPICKARD (AMOS) MO	ASHRAE
Missouri	DeKalb	91	5	1.4	ST. JOSEPH/ROSE-CRA MO	ASHRAE	ST. JOSEPH/ROSE-CRA MO	ASHRAE
Missouri	Dent	92	10	1.2	Rolla National Airport Missouri	Manual J	Rolla National Airport Missouri	Manual J
Missouri	Douglas	91	16	1.0	WEST PLAINS MUNI MO	ASHRAE	WEST PLAINS MUNI MO	ASHRAE
Missouri	Dunklin	95	17	0.7	Blytheville Air Force Base Arkansas	Manual J	Eaker Air Force Base Arkansas	Manual J
Missouri	Franklin	92	2	1.4	Rolla National Airport Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Missouri	Gasconade	92	10	1.2	Rolla National Airport Missouri	Manual J	Rolla National Airport Missouri	Manual J
Missouri	Gentry	92	0	2.0	Lamoni Iowa	Manual J	Lamoni Iowa	Manual J
Missouri	Greene	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Grundy	92	5	1.5	SPICKARD (AMOS) MO	ASHRAE	SPICKARD (AMOS) MO	ASHRAE
Missouri	Harrison	92	0	2.0	Lamoni Iowa	Manual J	Lamoni Iowa	Manual J
Missouri	Henry	93	8	1.2	Warrensburg Whiteman Air Force Base Missouri	Manual J	Warrensburg Whiteman Air Force Base Missouri	Manual J
Missouri	Hickory	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Holt	92	3	1.4	FALLS CITY/BRENNER NE	ASHRAE	FALLS CITY/BRENNER NE	ASHRAE



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Missouri	Howard	94	3	1.3	Moberly Missouri	Manual J	Moberly Missouri	Manual J
Missouri	Howell	91	16	1.0	WEST PLAINS MUNI MO	ASHRAE	WEST PLAINS MUNI MO	ASHRAE
Missouri	Iron	93	8	1.4	Farmington Airport Missouri	Manual J	Farmington Airport Missouri	Manual J
Missouri	Jackson	94	9	1.0	Kansas City Downtown Airport Missouri	Manual J	Kansas City Downtown Airport Missouri	Manual J
Missouri	Jasper	94	12	0.9	Joplin Municipal Airport Missouri	Manual J	Joplin Municipal Airport Missouri	Manual J
Missouri	Jefferson	93	2	1.4	Farmington Airport Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Missouri	Johnson	93	8	1.2	Warrensburg Whiteman Air Force Base Missouri	Manual J	Warrensburg Whiteman Air Force Base Missouri	Manual J
Missouri	Knox	91	1	1.6	Kirksville Regional Airport Missouri	Manual J	Kirksville Regional Airport Missouri	Manual J
Missouri	Laclede	93	12	1.1	Kaiser Memorial Airport Missouri	Manual J	LEE C FINE MEM MO	ASHRAE
Missouri	Lafayette	93	8	1.2	Warrensburg Whiteman Air Force Base Missouri	Manual J	Warrensburg Whiteman Air Force Base Missouri	Manual J
Missouri	Lawrence	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Lewis	91	7	1.4	Keokuk Municipal Airport Iowa	Manual J	KEOKUK MUNI IA	ASHRAE
Missouri	Lincoln	94	2	1.4	St. Louis City Office Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Missouri	Linn	91	1	1.6	Kirksville Regional Airport Missouri	Manual J	Kirksville Regional Airport Missouri	Manual J
Missouri	Livingston	92	5	1.5	SPICKARD (AMOS) MO	ASHRAE	SPICKARD (AMOS) MO	ASHRAE
Missouri	Macon	91	1	1.6	Kirksville Regional Airport Missouri	Manual J	Kirksville Regional Airport Missouri	Manual J
Missouri	Madison	93	8	1.4	Farmington Airport Missouri	Manual J	Farmington Airport Missouri	Manual J
Missouri	Maries	92	10	1.2	Rolla National Airport Missouri	Manual J	Rolla National Airport Missouri	Manual J
Missouri	Marion	93	3	1.6	Hannibal Missouri	Manual J	Hannibal Missouri	Manual J
Missouri	McDonald	93	16	0.9	SMITH FLD AR	ASHRAE	ROGERS MUNI CARTER F AR	ASHRAE
Missouri	Mercer	92	5	1.5	SPICKARD (AMOS) MO	ASHRAE	SPICKARD (AMOS) MO	ASHRAE
Missouri	Miller	93	12	1.1	Kaiser Memorial Airport Missouri	Manual J	LEE C FINE MEM MO	ASHRAE
Missouri	Mississippi	95	14	1.0	Sikeston Missouri	Manual J	Cape Girardeau Municipal Airport Missouri	Manual J
Missouri	Moniteau	92	7	1.3	Columbia Regional Airport Missouri	Manual J	Columbia Regional Airport Missouri	Manual J
Missouri	Monroe	94	4	1.6	Mexico Missouri	Manual J	Mexico Missouri	Manual J
Missouri	Montgomery	94	4	1.6	Mexico Missouri	Manual J	Mexico Missouri	Manual J
Missouri	Morgan	93	10	1.1	Sedalia Memorial Airport Missouri	Manual J	SEDALIA MEMORIAL MO	ASHRAE
Missouri	New Madrid	95	14	1.0	Sikeston Missouri	Manual J	Cape Girardeau Municipal Airport Missouri	Manual J



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Missouri	Newton	94	12	0.9	Joplin Municipal Airport Missouri	Manual J	Joplin Municipal Airport Missouri	Manual J
Missouri	Nodaway	91	1	1.7	SCHENCK FLD IA	ASHRAE	SCHENCK FLD IA	ASHRAE
Missouri	Oregon	91	16	1.0	WEST PLAINS MUNI MO	ASHRAE	WEST PLAINS MUNI MO	ASHRAE
Missouri	Osage	91	12	1.1	JEFFERSON CITY MEM MO	ASHRAE	JEFFERSON CITY MEM MO	ASHRAE
Missouri	Ozark	94	18	0.8	FLIPPIN (AWOS) AR	ASHRAE	FLIPPIN (AWOS) AR	ASHRAE
Missouri	Pemiscot	95	17	0.7	Blytheville Air Force Base Arkansas	Manual J	Eaker Air Force Base Arkansas	Manual J
Missouri	Perry	93	14	1.0	Carbondale Illinois	Manual J	Cape Girardeau Municipal Airport Missouri	Manual J
Missouri	Pettis	93	10	1.1	Sedalia Memorial Airport Missouri	Manual J	SEDALIA MEMORIAL MO	ASHRAE
Missouri	Phelps	92	10	1.2	Rolla National Airport Missouri	Manual J	Rolla National Airport Missouri	Manual J
Missouri	Pike	93	3	1.6	Hannibal Missouri	Manual J	Hannibal Missouri	Manual J
Missouri	Platte	93	5	1.3	Kansas City International Airport Missouri	Manual J	Kansas City International Airport Missouri	Manual J
Missouri	Polk	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Pulaski	93	12	1.1	Kaiser Memorial Airport Missouri	Manual J	LEE C FINE MEM MO	ASHRAE
Missouri	Putnam	91	1	1.6	Kirksville Regional Airport Missouri	Manual J	Kirksville Regional Airport Missouri	Manual J
Missouri	Ralls	93	3	1.6	Hannibal Missouri	Manual J	Hannibal Missouri	Manual J
Missouri	Randolph	94	3	1.3	Moberly Missouri	Manual J	Moberly Missouri	Manual J
Missouri	Ray	94	9	1.0	Kansas City Downtown Airport Missouri	Manual J	Kansas City Downtown Airport Missouri	Manual J
Missouri	Reynolds	93	8	1.4	Farmington Airport Missouri	Manual J	Farmington Airport Missouri	Manual J
Missouri	Ripley	93	16	0.9	Siloam Spring Arkansas	Manual J	Siloam Spring Arkansas	Manual J
Missouri	Saline	93	10	1.1	Sedalia Memorial Airport Missouri	Manual J	SEDALIA MEMORIAL MO	ASHRAE
Missouri	Schuylerville	91	1	1.6	Kirksville Regional Airport Missouri	Manual J	Kirksville Regional Airport Missouri	Manual J
Missouri	Scotland	91	1	1.6	Kirksville Regional Airport Missouri	Manual J	Kirksville Regional Airport Missouri	Manual J
Missouri	Scott	95	14	1.0	Sikeston Missouri	Manual J	Cape Girardeau Municipal Airport Missouri	Manual J
Missouri	Shannon	91	16	1.0	WEST PLAINS MUNI MO	ASHRAE	WEST PLAINS MUNI MO	ASHRAE
Missouri	Shelby	94	3	1.3	Moberly Missouri	Manual J	Moberly Missouri	Manual J
Missouri	St. Charles	94	2	1.4	St. Louis City Office Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Missouri	St. Clair	93	8	1.2	Warrensburg Whiteman Air Force Base Missouri	Manual J	Warrensburg Whiteman Air Force Base Missouri	Manual J
Missouri	St. Francois	93	8	1.4	Farmington Airport Missouri	Manual J	Farmington Airport Missouri	Manual J



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Missouri	St. Louis	94	2	1.4	St. Louis City Office Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Missouri	St. Louis City	94	2	1.4	St. Louis City Office Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Missouri	Ste. Genevieve	93	8	1.4	Farmington Airport Missouri	Manual J	Farmington Airport Missouri	Manual J
Missouri	Stoddard	95	16	0.9	Sikeston Missouri	Manual J	Poplar Bluff Missouri	Manual J
Missouri	Stone	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Sullivan	91	1	1.6	Kirksville Regional Airport Missouri	Manual J	Kirksville Regional Airport Missouri	Manual J
Missouri	Taney	91	16	0.9	BOONE CO AR	ASHRAE	BOONE CO AR	ASHRAE
Missouri	Texas	91	16	1.0	WEST PLAINS MUNI MO	ASHRAE	WEST PLAINS MUNI MO	ASHRAE
Missouri	Vernon	94	12	0.9	Joplin Municipal Airport Missouri	Manual J	Joplin Municipal Airport Missouri	Manual J
Missouri	Warren	94	2	1.4	Mexico Missouri	Manual J	St. Joseph Airport Missouri	Manual J
Missouri	Washington	93	8	1.4	Farmington Airport Missouri	Manual J	Farmington Airport Missouri	Manual J
Missouri	Wayne	92	16	0.9	Poplar Bluff Missouri	Manual J	Poplar Bluff Missouri	Manual J
Missouri	Webster	92	11	1.1	Springfield Regional Airport Missouri	Manual J	Springfield Regional Airport Missouri	Manual J
Missouri	Worth	92	0	2.0	Lamoni Iowa	Manual J	Lamoni Iowa	Manual J
Missouri	Wright	91	16	1.0	WEST PLAINS MUNI MO	ASHRAE	WEST PLAINS MUNI MO	ASHRAE

### Mississippi

Mississippi	Adams	91	28	0.4	NATCHEZ/HARDY(AWOS) MS	ASHRAE	NATCHEZ/HARDY(AWOS) MS	ASHRAE
Mississippi	Alcorn	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Amite	93	28	0.3	McComb Pike Co. Airport Mississippi	Manual J	McComb Pike Co. Airport Mississippi	Manual J
Mississippi	Attala	94	25	0.4	GREENWOOD LEFLORE MS	ASHRAE	Greenwood Leflore Airport Mississippi	Manual J
Mississippi	Benton	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Bolivar	93	20	0.5	Greenville Air Force Base Mississippi	Manual J	Greenville Air Force Base Mississippi	Manual J
Mississippi	Calhoun	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Carroll	94	25	0.4	GREENWOOD LEFLORE MS	ASHRAE	Greenwood Leflore Airport Mississippi	Manual J
Mississippi	Chickasaw	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Choctaw	94	25	0.5	GREENWOOD LEFLORE MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE
Mississippi	Claiborne	95	26	0.3	Vicksburg City Office Mississippi	Manual J	Vicksburg City Office Mississippi	Manual J
Mississippi	Clarke	95	26	0.4	MERIDIAN NAS MS	ASHRAE	Meridian Key Field Mississippi	Manual J
Mississippi	Clay	95	25	0.5	COLUMBUS AFB MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE



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Mississippi	Coahoma	94	19	0.6	Clarksdale Mississippi	Manual J	Clarksdale Mississippi	Manual J
Mississippi	Copiah	94	26	0.4	JACKSON/ALLEN C. TH MS	ASHRAE	Jackson International Airport Mississippi	Manual J
Mississippi	Covington	93	28	0.3	Hattiesburg  Mississippi	Manual J	Hattiesburg  Mississippi	Manual J
Mississippi	DeSoto	95	20	0.6	MILLINGTON MUNI ARP TN	ASHRAE	Millington Municipal Airport Tennessee	Manual J
Mississippi	Forrest	93	28	0.3	Hattiesburg  Mississippi	Manual J	Hattiesburg  Mississippi	Manual J
Mississippi	Franklin	91	28	0.4	NATCHEZ/HARDY(AWOS) MS	ASHRAE	NATCHEZ/HARDY(AWOS) MS	ASHRAE
Mississippi	George	91	30	0.3	TRENT LOTT INTL MS	ASHRAE	TRENT LOTT INTL MS	ASHRAE
Mississippi	Greene	93	28	0.3	Hattiesburg  Mississippi	Manual J	Hattiesburg  Mississippi	Manual J
Mississippi	Grenada	94	25	0.4	GREENWOOD LEFLORE MS	ASHRAE	Greenwood Leflore Airport Mississippi	Manual J
Mississippi	Hancock	91	30	0.3	SLIDELL LA	ASHRAE	SLIDELL LA	ASHRAE
Mississippi	Harrison	92	32	0.2	Keesler Air Force Base Biloxi Mississippi	Manual J	GULFPORT BILOXI INT MS	ASHRAE
Mississippi	Hinds	94	26	0.4	JACKSON/ALLEN C. TH MS	ASHRAE	Jackson International Airport Mississippi	Manual J
Mississippi	Holmes	94	25	0.4	GREENWOOD LEFLORE MS	ASHRAE	Greenwood Leflore Airport Mississippi	Manual J
Mississippi	Humphreys	94	25	0.4	GREENWOOD LEFLORE MS	ASHRAE	Greenwood Leflore Airport Mississippi	Manual J
Mississippi	Issaquena	95	28	0.4	VICKSBURG\TALLULAH LA	ASHRAE	VICKSBURG\TALLULAH LA	ASHRAE
Mississippi	Itawamba	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Jackson	91	30	0.3	TRENT LOTT INTL MS	ASHRAE	TRENT LOTT INTL MS	ASHRAE
Mississippi	Jasper	94	27	0.4	Laurel Mississippi	Manual J	Laurel Mississippi	Manual J
Mississippi	Jefferson	91	28	0.4	NATCHEZ/HARDY(AWOS) MS	ASHRAE	NATCHEZ/HARDY(AWOS) MS	ASHRAE
Mississippi	Jefferson Davis	93	28	0.3	Hattiesburg  Mississippi	Manual J	Hattiesburg  Mississippi	Manual J
Mississippi	Jones	94	27	0.4	Laurel Mississippi	Manual J	Laurel Mississippi	Manual J
Mississippi	Kemper	95	26	0.4	MERIDIAN NAS MS	ASHRAE	Meridian Key Field Mississippi	Manual J
Mississippi	Lafayette	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Lamar	93	28	0.3	Hattiesburg  Mississippi	Manual J	Hattiesburg  Mississippi	Manual J
Mississippi	Lauderdale	95	26	0.4	MERIDIAN NAS MS	ASHRAE	Meridian Key Field Mississippi	Manual J
Mississippi	Lawrence	93	28	0.3	McComb Pike Co. Airport Mississippi	Manual J	McComb Pike Co. Airport Mississippi	Manual J
Mississippi	Leake	94	26	0.4	JACKSON/ALLEN C. TH MS	ASHRAE	Jackson International Airport Mississippi	Manual J
Mississippi	Lee	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Leflore	94	25	0.4	GREENWOOD LEFLORE MS	ASHRAE	Greenwood Leflore Airport Mississippi	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Mississippi	Lincoln	93	28	0.3	McComb Pike Co. Airport Mississippi	Manual J	McComb Pike Co. Airport Mississippi	Manual J
Mississippi	Lowndes	95	25	0.5	COLUMBUS AFB MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE
Mississippi	Madison	94	26	0.4	JACKSON/ALLEN C. TH MS	ASHRAE	Jackson International Airport Mississippi	Manual J
Mississippi	Marion	93	28	0.3	Bogalusa Louisiana	Manual J	Bogalusa Louisiana	Manual J
Mississippi	Marshall	95	20	0.6	MILLINGTON MUNI ARP TN	ASHRAE	Millington Municipal Airport Tennessee	Manual J
Mississippi	Monroe	95	25	0.5	COLUMBUS AFB MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE
Mississippi	Montgomery	94	25	0.4	GREENWOOD LEFLORE MS	ASHRAE	Greenwood Leflore Airport Mississippi	Manual J
Mississippi	Neshoba	95	26	0.4	MERIDIAN NAS MS	ASHRAE	Meridian Key Field Mississippi	Manual J
Mississippi	Newton	95	26	0.4	MERIDIAN NAS MS	ASHRAE	Meridian Key Field Mississippi	Manual J
Mississippi	Noxubee	95	25	0.5	COLUMBUS AFB MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE
Mississippi	Oktibbeha	95	25	0.5	COLUMBUS AFB MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE
Mississippi	Panola	94	19	0.6	Clarksdale Mississippi	Manual J	Clarksdale Mississippi	Manual J
Mississippi	Pearl River	93	28	0.3	Bogalusa Louisiana	Manual J	Bogalusa Louisiana	Manual J
Mississippi	Perry	93	28	0.3	Hattiesburgl Mississippi	Manual J	Hattiesburgl Mississippi	Manual J
Mississippi	Pike	93	28	0.3	McComb Pike Co. Airport Mississippi	Manual J	McComb Pike Co. Airport Mississippi	Manual J
Mississippi	Pontotoc	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Prentiss	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Quitman	94	19	0.6	Clarksdale Mississippi	Manual J	Clarksdale Mississippi	Manual J
Mississippi	Rankin	94	26	0.4	JACKSON/ALLEN C. TH MS	ASHRAE	Jackson International Airport Mississippi	Manual J
Mississippi	Scott	94	26	0.4	JACKSON/ALLEN C. TH MS	ASHRAE	Jackson International Airport Mississippi	Manual J
Mississippi	Sharkey	95	26	0.3	Vicksburg City Office Mississippi	Manual J	Vicksburg City Office Mississippi	Manual J
Mississippi	Simpson	94	26	0.4	JACKSON/ALLEN C. TH MS	ASHRAE	Jackson International Airport Mississippi	Manual J
Mississippi	Smith	94	27	0.4	Laurel Mississippi	Manual J	Laurel Mississippi	Manual J
Mississippi	Stone	92	32	0.2	Keesler Air Force Base Biloxi Mississippi	Manual J	GULFPORT BILOXI INT MS	ASHRAE
Mississippi	Sunflower	93	20	0.5	Greenville Air Force Base Mississippi	Manual J	Greenville Air Force Base Mississippi	Manual J
Mississippi	Tallahatchie	94	19	0.6	GREENWOOD LEFLORE MS	ASHRAE	Clarksdale Mississippi	Manual J
Mississippi	Tate	95	20	0.6	MILLINGTON MUNI ARP TN	ASHRAE	Millington Municipal Airport Tennessee	Manual J
Mississippi	Tippah	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Tishomingo	94	21	0.6	Florence Airport Alabama	Manual J	Florence Airport Alabama	Manual J



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Mississippi	Tunica	94	19	0.6	Clarksdale Mississippi	Manual J	Clarksdale Mississippi	Manual J
Mississippi	Union	94	23	0.6	Tupelo C D Lemons Airport Mississippi	Manual J	Tupelo C D Lemons Airport Mississippi	Manual J
Mississippi	Walthall	93	28	0.3	McComb Pike Co. Airport Mississippi	Manual J	McComb Pike Co. Airport Mississippi	Manual J
Mississippi	Warren	95	26	0.3	Vicksburg City Office Mississippi	Manual J	Vicksburg City Office Mississippi	Manual J
Mississippi	Washington	93	20	0.5	Greenville Air Force Base Mississippi	Manual J	Greenville Air Force Base Mississippi	Manual J
Mississippi	Wayne	94	27	0.4	Laurel Mississippi	Manual J	Laurel Mississippi	Manual J
Mississippi	Webster	94	25	0.5	GREENWOOD LEFLORE MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE
Mississippi	Wilkinson	91	28	0.4	NATCHEZ/HARDY(AWOS) MS	ASHRAE	NATCHEZ/HARDY(AWOS) MS	ASHRAE
Mississippi	Winston	95	25	0.5	MERIDIAN NAS MS	ASHRAE	GOLDEN TRIANGLE RGNL MS	ASHRAE
Mississippi	Yalobusha	94	25	0.4	GREENWOOD LEFLORE MS	ASHRAE	Greenwood Leflore Airport Mississippi	Manual J
Mississippi	Yazoo	94	26	0.4	JACKSON/ALLEN C. TH MS	ASHRAE	Jackson International Airport Mississippi	Manual J

## Montana

Montana	Beaverhead	86	0	5.1	Dillon Airport Montana	Manual J	DILLON AIRPORT MT	ASHRAE
Montana	Big Horn	92	-6	3.4	Sheridan Co. Airport Wyoming	Manual J	Sheridan Co. Airport Wyoming	Manual J
Montana	Blaine	91	-18	4.0	Havre City-Co. Airport Montana	Manual J	Havre City-Co. Airport Montana	Manual J
Montana	Broadwater	90	-8	3.8	HELENA REGIONAL MT	ASHRAE	Helena Regional Airport Montana	Manual J
Montana	Carbon	88	-5	3.6	Cody Yellowstone Regional Airport Wyoming	Manual J	Cody Yellowstone Regional Airport Wyoming	Manual J
Montana	Carter	91	-8	3.7	BAKER MUNI MT	ASHRAE	BAKER MUNI MT	ASHRAE
Montana	Cascade	90	-11	4.0	Malmstrom Air Force Base (Great Falls) Montana	Manual J	Great Falls International Airport Montana	Manual J
Montana	Chouteau	90	-18	4.0	Malmstrom Air Force Base (Great Falls) Montana	Manual J	Havre City-Co. Airport Montana	Manual J
Montana	Custer	95	-12	2.7	Miles City Municipal Airport Montana	Manual J	Miles City Municipal Airport Montana	Manual J
Montana	Daniels	91	-15	4.2	L M CLAYTON MT	ASHRAE	L M CLAYTON MT	ASHRAE
Montana	Dawson	91	-12	3.7	Glendive Montana	Manual J	Glendive Montana	Manual J
Montana	Deer Lodge	84	-12	7.9	BERT MOONEY MT	ASHRAE	Butte Bert Mooney Airport Montana	Manual J
Montana	Fallon	91	-8	3.7	BAKER MUNI MT	ASHRAE	BAKER MUNI MT	ASHRAE
Montana	Fergus	87	-10	5.3	Lewistown Municipal Airport Montana	Manual J	Lewistown Municipal Airport Montana	Manual J
Montana	Flathead	87	-1	5.5	KALISPELL/GLACIER P MT	ASHRAE	Kalispell Glacier Park International Airport Montana	Manual J
Montana	Gallatin	89	-10	5.1	GALLATIN FLD MT	ASHRAE	Bozeman Gallatin Field Montana	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Montana	Garfield	93	-18	3.7	Jordan Montana	Manual J	Jordan Montana	Manual J
Montana	Glacier	85	-13	6.1	Cut Bank Municipal Airport Montana	Manual J	Cut Bank Municipal Airport Montana	Manual J
Montana	Golden Valley	87	-10	5.3	Lewistown Municipal Airport Montana	Manual J	Lewistown Municipal Airport Montana	Manual J
Montana	Granite	90	2	4.1	MISSOULA/JOHNSON-BE MT	ASHRAE	Missoula International Airport Montana	Manual J
Montana	Hill	91	-18	4.0	Havre City-Co. Airport Montana	Manual J	Havre City-Co. Airport Montana	Manual J
Montana	Jefferson	84	-12	7.9	BERT MOONEY MT	ASHRAE	Butte Bert Mooney Airport Montana	Manual J
Montana	Judith Basin	87	-10	5.3	Lewistown Municipal Airport Montana	Manual J	Lewistown Municipal Airport Montana	Manual J
Montana	Lake	87	-1	5.5	KALISPELL/GLACIER P MT	ASHRAE	Kalispell Glacier Park International Airport Montana	Manual J
Montana	Lewis and Clark	90	-8	3.8	HELENA REGIONAL MT	ASHRAE	Helena Regional Airport Montana	Manual J
Montana	Liberty	90	-11	4.0	Malmstrom Air Force Base (Great Falls) Montana	Manual J	Great Falls International Airport Montana	Manual J
Montana	Lincoln	84	8	5.6	MULLAN (AWRS) ID	ASHRAE	Mullan AWRS Idaho	Manual J
Montana	Madison	86	0	5.1	Dillon Airport Montana	Manual J	DILLON AIRPORT MT	ASHRAE
Montana	McCone	91	-15	4.2	L M CLAYTON MT	ASHRAE	L M CLAYTON MT	ASHRAE
Montana	Meagher	89	-10	5.1	GALLATIN FLD MT	ASHRAE	Bozeman Gallatin Field Montana	Manual J
Montana	Mineral	84	8	5.6	MULLAN (AWRS) ID	ASHRAE	Mullan AWRS Idaho	Manual J
Montana	Missoula	90	2	4.1	MISSOULA/JOHNSON-BE MT	ASHRAE	Missoula International Airport Montana	Manual J
Montana	Musselshell	91	-6	2.7	BILLINGS/LOGAN INT. MT	ASHRAE	Billings Logan International Airport Montana	Manual J
Montana	Park	90	-14	4.2	MISSION FLD MT	ASHRAE	Livingston Airport Montana	Manual J
Montana	Petroleum	87	-10	5.3	Lewistown Municipal Airport Montana	Manual J	Lewistown Municipal Airport Montana	Manual J
Montana	Phillips	91	-17	3.7	GLASGOW INTL ARPT MT	ASHRAE	Glasgow International Airport Montana	Manual J
Montana	Pondera	85	-13	6.1	Cut Bank Municipal Airport Montana	Manual J	Cut Bank Municipal Airport Montana	Manual J
Montana	Powder River	92	-4	3.3	Gillette-Campbell Co. Airport Wyoming	Manual J	Gillette-Campbell Co. Airport Wyoming	Manual J
Montana	Powell	84	-8	3.8	BERT MOONEY MT	ASHRAE	Helena Regional Airport Montana	Manual J
Montana	Prairie	95	-12	2.7	Miles City Municipal Airport Montana	Manual J	Miles City Municipal Airport Montana	Manual J
Montana	Ravalli	90	2	4.1	MISSOULA/JOHNSON-BE MT	ASHRAE	Missoula International Airport Montana	Manual J
Montana	Richland	91	-13	3.9	SIDNEY-RICHLAND MUNI MT	ASHRAE	Sidney Municipal Airport Montana	Manual J
Montana	Roosevelt	91	-15	4.2	L M CLAYTON MT	ASHRAE	L M CLAYTON MT	ASHRAE
Montana	Rosebud	95	-12	2.7	Miles City Municipal Airport Montana	Manual J	Miles City Municipal Airport Montana	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Montana	Sanders	84	8	5.6	MULLAN (AWRS) ID	ASHRAE	Mullan AWRS Idaho	Manual J
Montana	Sheridan	91	-18	4.0	Williston Sloulin International Airport North Dakota	Manual J	Williston Sloulin International Airport North Dakota	Manual J
Montana	Silver Bow	84	-12	7.9	BERT MOONEY MT	ASHRAE	Butte Bert Mooney Airport Montana	Manual J
Montana	Stillwater	91	-6	2.7	BILLINGS/LOGAN INT. MT	ASHRAE	Billings Logan International Airport Montana	Manual J
Montana	Sweet Grass	90	-14	4.2	MISSION FLD MT	ASHRAE	Livingston Airport Montana	Manual J
Montana	Teton	85	-13	6.1	Cut Bank Municipal Airport Montana	Manual J	Cut Bank Municipal Airport Montana	Manual J
Montana	Toole	85	-13	6.1	Cut Bank Municipal Airport Montana	Manual J	Cut Bank Municipal Airport Montana	Manual J
Montana	Treasure	93	-18	3.7	Jordan Montana	Manual J	Jordan Montana	Manual J
Montana	Valley	91	-17	3.7	GLASGOW INTL ARPT MT	ASHRAE	Glasgow International Airport Montana	Manual J
Montana	Wheatland	87	-10	5.3	Lewistown Municipal Airport Montana	Manual J	Lewistown Municipal Airport Montana	Manual J
Montana	Wibaux	91	-12	3.7	Glendive Montana	Manual J	Glendive Montana	Manual J
Montana	Yellowstone	91	-6	2.7	BILLINGS/LOGAN INT. MT	ASHRAE	Billings Logan International Airport Montana	Manual J

### North Carolina

North Carolina	Alamance	91	21	0.8	BURLINGTON ALAMANCE NC	ASHRAE	BURLINGTON ALAMANCE NC	ASHRAE
North Carolina	Alexander	90	23	0.8	HICKORY RGNL NC	ASHRAE	Hickory Regional Airport North Carolina	Manual J
North Carolina	Alleghany	82	16	1.5	ASHE CO NC	ASHRAE	ASHE CO NC	ASHRAE
North Carolina	Anson	92	21	0.8	Richmond International Airport North Carolina	Manual J	Richmond International Airport North Carolina	Manual J
North Carolina	Ashe	82	16	1.5	ASHE CO NC	ASHRAE	ASHE CO NC	ASHRAE
North Carolina	Avery	82	16	1.5	ASHE CO NC	ASHRAE	ASHE CO NC	ASHRAE
North Carolina	Beaufort	92	26	0.5	New Bern Costal Carolina Regional Airport North Carolina	Manual J	New Bern Costal Carolina Regional Airport North Carolina	Manual J
North Carolina	Bertie	91	27	0.6	NORTHEASTERN RGNL NC	ASHRAE	NORTHEASTERN RGNL NC	ASHRAE
North Carolina	Bladen	92	21	0.6	Lumberton North Carolina	Manual J	Lumberton North Carolina	Manual J
North Carolina	Brunswick	84	39	0.2	Frying Pan Shoals North Carolina	Manual J	Frying Pan Shoals North Carolina	Manual J
North Carolina	Buncombe	86	19	1.2	Asheville Regional Airport North Carolina	Manual J	ASHEVILLE MUNICIPAL NC	ASHRAE
North Carolina	Burke	90	23	0.8	HICKORY RGNL NC	ASHRAE	Hickory Regional Airport North Carolina	Manual J
North Carolina	Cabarrus	91	25	0.6	MONROE AIRPORT NC	ASHRAE	MONROE AIRPORT NC	ASHRAE
North Carolina	Caldwell	90	23	0.8	HICKORY RGNL NC	ASHRAE	Hickory Regional Airport North Carolina	Manual J
North Carolina	Camden	91	19	0.6	Elizabeth City Airport North Carolina	Manual J	Elizabeth City Airport North Carolina	Manual J



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North Carolina	Carteret	86	28	0.5	MICHAEL J SMITH FLD NC	ASHRAE	MICHAEL J SMITH FLD NC	ASHRAE
North Carolina	Caswell	91	21	0.8	DANVILLE RGNL VA	ASHRAE	DANVILLE RGNL VA	ASHRAE
North Carolina	Catawba	90	23	0.8	HICKORY RGNL NC	ASHRAE	Hickory Regional Airport North Carolina	Manual J
North Carolina	Chatham	91	21	0.8	BURLINGTON ALAMANCE NC	ASHRAE	BURLINGTON ALAMANCE NC	ASHRAE
North Carolina	Cherokee	92	18	1.0	Athens Tennessee	Manual J	Athens Tennessee	Manual J
North Carolina	Chowan	91	27	0.6	NORTHEASTERN RGNL NC	ASHRAE	NORTHEASTERN RGNL NC	ASHRAE
North Carolina	Clay	91	27	0.6	LEE GILMER MEM GA	ASHRAE	LEE GILMER MEM GA	ASHRAE
North Carolina	Cleveland	91	25	0.7	RUTHERFORDTON NC	ASHRAE	RUTHERFORDTON NC	ASHRAE
North Carolina	Columbus	92	21	0.6	Lumberton North Carolina	Manual J	Lumberton North Carolina	Manual J
North Carolina	Craven	92	26	0.5	New Bern Costal Carolina Regional Airport North Carolina	Manual J	New Bern Costal Carolina Regional Airport North Carolina	Manual J
North Carolina	Cumberland	95	25	0.5	FORT BRAGG/SIMMONS NC	ASHRAE	POPE AFB NC	ASHRAE
North Carolina	Currituck	91	19	0.6	Elizabeth City Airport North Carolina	Manual J	Elizabeth City Airport North Carolina	Manual J
North Carolina	Dare	90	30	0.5	DARE CO RGNL NC	ASHRAE	DARE CO RGNL NC	ASHRAE
North Carolina	Davidson	91	23	0.8	SMITH REYNOLDS NC	ASHRAE	Winston-Salem Reynolds Airport North Carolina	Manual J
North Carolina	Davie	91	23	0.8	SMITH REYNOLDS NC	ASHRAE	Winston-Salem Reynolds Airport North Carolina	Manual J
North Carolina	Duplin	91	25	0.6	JACKSONVILLE (AWOS) NC	ASHRAE	JACKSONVILLE (AWOS) NC	ASHRAE
North Carolina	Durham	92	20	0.8	Durham North Carolina	Manual J	Durham North Carolina	Manual J
North Carolina	Edgecombe	91	21	0.7	Rocky Mount North Carolina	Manual J	Rocky Mount North Carolina	Manual J
North Carolina	Forsyth	91	23	0.8	SMITH REYNOLDS NC	ASHRAE	Winston-Salem Reynolds Airport North Carolina	Manual J
North Carolina	Franklin	92	15	1.0	Henderson North Carolina	Manual J	Henderson North Carolina	Manual J
North Carolina	Gaston	92	25	0.6	GASTONIA MUNI NC	ASHRAE	GASTONIA MUNI NC	ASHRAE
North Carolina	Gates	93	25	0.6	SUFFOLK EXECUTIVE VA	ASHRAE	SUFFOLK EXECUTIVE VA	ASHRAE
North Carolina	Graham	91	20	0.8	KNOXVILLE MUNICIPAL TN	ASHRAE	Knoxville McGhee Tyson Airport Tennessee	Manual J
North Carolina	Granville	92	15	1.0	Henderson North Carolina	Manual J	Henderson North Carolina	Manual J
North Carolina	Greene	94	26	0.5	SEYMORE JOHNSON AFB NC	ASHRAE	Seymour-Johnson Air Force Base North Carolina	Manual J
North Carolina	Guilford	90	22	0.8	GREENSBORO/G.-HIGH NC	ASHRAE	Greensboro Piedmont Triad International Airport North Carolina	Manual J
North Carolina	Halifax	91	25	0.7	HALIFAX CO NC	ASHRAE	HALIFAX CO NC	ASHRAE



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North Carolina	Harnett	95	27	0.5	HARTNETT COUNTY NC	ASHRAE	HARTNETT COUNTY NC	ASHRAE
North Carolina	Haywood	86	19	1.2	Asheville Regional Airport North Carolina	Manual J	ASHEVILLE MUNICIPAL NC	ASHRAE
North Carolina	Henderson	86	19	1.2	Asheville Regional Airport North Carolina	Manual J	ASHEVILLE MUNICIPAL NC	ASHRAE
North Carolina	Hertford	93	23	0.6	FRANKLIN MUNI JB ROS VA	ASHRAE	FRANKLIN MUNI JB ROS VA	ASHRAE
North Carolina	Hoke	93	25	0.5	MAXTON NC	ASHRAE	MAXTON NC	ASHRAE
North Carolina	Hyde	90	30	0.5	DARE CO RGNL NC	ASHRAE	DARE CO RGNL NC	ASHRAE
North Carolina	Iredell	90	23	0.8	HICKORY RGNL NC	ASHRAE	Hickory Regional Airport North Carolina	Manual J
North Carolina	Jackson	86	19	1.2	Asheville Regional Airport North Carolina	Manual J	ASHEVILLE MUNICIPAL NC	ASHRAE
North Carolina	Johnston	95	27	0.5	HARTNETT COUNTY NC	ASHRAE	HARTNETT COUNTY NC	ASHRAE
North Carolina	Jones	92	26	0.5	New Bern Costal Carolina Regional Airport North Carolina	Manual J	New Bern Costal Carolina Regional Airport North Carolina	Manual J
North Carolina	Lee	93	23	0.7	MOORE CO NC	ASHRAE	MOORE CO NC	ASHRAE
North Carolina	Lenoir	94	26	0.5	SEYMORE JOHNSON AFB NC	ASHRAE	Seymour-Johnson Air Force Base North Carolina	Manual J
North Carolina	Lincoln	92	25	0.6	GASTONIA MUNI NC	ASHRAE	GASTONIA MUNI NC	ASHRAE
North Carolina	Macon	91	28	0.5	OCONEE CO RGNL SC	ASHRAE	OCONEE CO RGNL SC	ASHRAE
North Carolina	Madison	90	16	1.5	Greenville Tennessee	Manual J	Greenville Tennessee	Manual J
North Carolina	Martin	93	25	0.6	Greenville Pitt-Greenville Airport North Carolina	Manual J	PITT GREENVILLE NC	ASHRAE
North Carolina	McDowell	91	25	0.7	RUTHERFORDTON NC	ASHRAE	RUTHERFORDTON NC	ASHRAE
North Carolina	Mecklenburg	92	25	0.6	Charlotte Douglas International Airport North Carolina	Manual J	Charlotte Douglas International Airport North Carolina	Manual J
North Carolina	Mitchell	88	17	1.1	TRI CITIES RGNL TN	ASHRAE	Bristol Tri-City Airport Tennessee	Manual J
North Carolina	Montgomery	91	25	0.6	ASHEBORO RGNL NC	ASHRAE	ASHEBORO RGNL NC	ASHRAE
North Carolina	Moore	93	23	0.7	MOORE CO NC	ASHRAE	MOORE CO NC	ASHRAE
North Carolina	Nash	91	23	0.7	ROCKY MOUNT WILSON NC	ASHRAE	ROCKY MOUNT WILSON NC	ASHRAE
North Carolina	New Hanover	91	28	0.4	Wilmington International Airport North Carolina	Manual J	WILMINGTON NC	ASHRAE
North Carolina	Northampton	91	25	0.7	HALIFAX CO NC	ASHRAE	HALIFAX CO NC	ASHRAE
North Carolina	Onslow	91	25	0.6	JACKSONVILLE (AWOS) NC	ASHRAE	JACKSONVILLE (AWOS) NC	ASHRAE
North Carolina	Orange	92	20	0.8	Durham North Carolina	Manual J	Durham North Carolina	Manual J
North Carolina	Pamlico	92	26	0.5	New Bern Costal Carolina Regional Airport North Carolina	Manual J	New Bern Costal Carolina Regional Airport North Carolina	Manual J



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North Carolina	Pasquotank	91	19	0.6	Elizabeth City Airport North Carolina	Manual J	Elizabeth City Airport North Carolina	Manual J
North Carolina	Pender	91	28	0.4	Wilmington International Airport North Carolina	Manual J	WILMINGTON NC	ASHRAE
North Carolina	Perquimans	91	27	0.6	NORTHEASTERN RGNL NC	ASHRAE	NORTHEASTERN RGNL NC	ASHRAE
North Carolina	Person	92	20	0.8	Durham North Carolina	Manual J	Durham North Carolina	Manual J
North Carolina	Pitt	93	25	0.6	Greenville Pitt-Greenville Airport North Carolina	Manual J	PITT GREENVILLE NC	ASHRAE
North Carolina	Polk	91	25	0.7	RUTHERFORDTON NC	ASHRAE	RUTHERFORDTON NC	ASHRAE
North Carolina	Randolph	91	25	0.6	ASHEBORO RGNL NC	ASHRAE	ASHEBORO RGNL NC	ASHRAE
North Carolina	Richmond	92	21	0.8	Richmond International Airport North Carolina	Manual J	Richmond International Airport North Carolina	Manual J
North Carolina	Robeson	92	21	0.6	Lumberton North Carolina	Manual J	Lumberton North Carolina	Manual J
North Carolina	Rockingham	91	22	0.8	Martinsville Virginia	Manual J	Greensboro Piedmont Triad International Airport North Carolina	Manual J
North Carolina	Rowan	91	23	0.8	SMITH REYNOLDS NC	ASHRAE	Winston-Salem Reynolds Airport North Carolina	Manual J
North Carolina	Rutherford	91	25	0.7	RUTHERFORDTON NC	ASHRAE	RUTHERFORDTON NC	ASHRAE
North Carolina	Sampson	95	27	0.5	HARTNETT COUNTY NC	ASHRAE	HARTNETT COUNTY NC	ASHRAE
North Carolina	Scotland	93	25	0.5	MAXTON NC	ASHRAE	MAXTON NC	ASHRAE
North Carolina	Stanly	91	25	0.6	MONROE AIRPORT NC	ASHRAE	MONROE AIRPORT NC	ASHRAE
North Carolina	Stokes	91	23	0.8	SMITH REYNOLDS NC	ASHRAE	Winston-Salem Reynolds Airport North Carolina	Manual J
North Carolina	Surry	84	16	1.4	TWIN COUNTY VA	ASHRAE	TWIN COUNTY VA	ASHRAE
North Carolina	Swain	91	20	0.8	KNOXVILLE MUNICIPAL TN	ASHRAE	Knoxville McGhee Tyson Airport Tennessee	Manual J
North Carolina	Transylvania	86	19	1.2	Asheville Regional Airport North Carolina	Manual J	ASHEVILLE MUNICIPAL NC	ASHRAE
North Carolina	Tyrrell	91	19	0.6	Elizabeth City Airport North Carolina	Manual J	Elizabeth City Airport North Carolina	Manual J
North Carolina	Union	91	25	0.6	MONROE AIRPORT NC	ASHRAE	MONROE AIRPORT NC	ASHRAE
North Carolina	Vance	92	15	1.0	Henderson North Carolina	Manual J	Henderson North Carolina	Manual J
North Carolina	Wake	92	23	0.7	RALEIGH/RALEIGH-DUR NC	ASHRAE	Raleigh-Durham International Airport North Carolina	Manual J
North Carolina	Warren	93	23	0.7	MECKLENBURG BRUNSWI VA	ASHRAE	Mecklenburg-Brunswick Regional Airport Virginia	Manual J
North Carolina	Washington	91	27	0.6	NORTHEASTERN RGNL NC	ASHRAE	NORTHEASTERN RGNL NC	ASHRAE
North Carolina	Watauga	82	16	1.5	ASHE CO NC	ASHRAE	ASHE CO NC	ASHRAE



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North Carolina	Wayne	94	26	0.5	SEYMORE JOHNSON AFB NC	ASHRAE	Seymour-Johnson Air Force Base North Carolina	Manual J
North Carolina	Wilkes	82	16	1.5	ASHE CO NC	ASHRAE	ASHE CO NC	ASHRAE
North Carolina	Wilson	91	23	0.7	ROCKY MOUNT WILSON NC	ASHRAE	ROCKY MOUNT WILSON NC	ASHRAE
North Carolina	Yadkin	91	23	0.8	SMITH REYNOLDS NC	ASHRAE	Winston-Salem Reynolds Airport North Carolina	Manual J
North Carolina	Yancey	86	19	1.2	Asheville Regional Airport North Carolina	Manual J	ASHEVILLE MUNICIPAL NC	ASHRAE
<b>North Dakota</b>								
North Dakota	Adams	91	-9	4.1	HETTINGER MUNI ND	ASHRAE	HETTINGER MUNI ND	ASHRAE
North Dakota	Barnes	88	-15	3.9	Jamestown Municipal Airport North Dakota	Manual J	Jamestown Municipal Airport North Dakota	Manual J
North Dakota	Benson	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Billings	90	-13	3.9	Dickinson Municipal Airport North Dakota	Manual J	Dickinson Municipal Airport North Dakota	Manual J
North Dakota	Bottineau	89	-18	4.2	MINOT AFB ND	ASHRAE	MINOT AFB ND	ASHRAE
North Dakota	Bowman	92	-9	3.2	Buffalo South Dakota	Manual J	Buffalo South Dakota	Manual J
North Dakota	Burke	89	-18	4.2	MINOT AFB ND	ASHRAE	MINOT AFB ND	ASHRAE
North Dakota	Burleigh	90	-14	3.6	BISMARCK MUNICIPAL ND	ASHRAE	Bismarck Municipal Airport North Dakota	Manual J
North Dakota	Cass	88	-15	3.7	Fargo Hector International Airport North Dakota	Manual J	Fargo Hector International Airport North Dakota	Manual J
North Dakota	Cavalier	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Dickey	89	-12	3.3	Aberdeen Regional Airport South Dakota	Manual J	ABERDEEN REGIONAL SD	ASHRAE
North Dakota	Divide	91	-18	4.0	Williston Sloulin International Airport North Dakota	Manual J	Williston Sloulin International Airport North Dakota	Manual J
North Dakota	Dunn	90	-13	3.9	Dickinson Municipal Airport North Dakota	Manual J	Dickinson Municipal Airport North Dakota	Manual J
North Dakota	Eddy	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Emmons	90	-14	3.6	BISMARCK MUNICIPAL ND	ASHRAE	Bismarck Municipal Airport North Dakota	Manual J
North Dakota	Foster	88	-15	3.9	Jamestown Municipal Airport North Dakota	Manual J	Jamestown Municipal Airport North Dakota	Manual J
North Dakota	Golden Valley	91	-8	3.7	BAKER MUNI MT	ASHRAE	BAKER MUNI MT	ASHRAE
North Dakota	Grand Forks	88	-17	4.3	Grand Forks Air Force Base North Dakota	Manual J	GRAND FORKS INTL ND	ASHRAE
North Dakota	Grant	97	-13	2.7	LEMMON SD	ASHRAE	LEMMON SD	ASHRAE
North Dakota	Griggs	88	-15	3.9	Jamestown Municipal Airport North Dakota	Manual J	Jamestown Municipal Airport North Dakota	Manual J



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North Dakota	Hettinger	91	-9	4.1	HETTINGER MUNI ND	ASHRAE	HETTINGER MUNI ND	ASHRAE
North Dakota	Kidder	90	-14	3.6	BISMARCK MUNICIPAL ND	ASHRAE	Bismarck Municipal Airport North Dakota	Manual J
North Dakota	LaMoure	88	-15	3.9	Jamestown Municipal Airport North Dakota	Manual J	Jamestown Municipal Airport North Dakota	Manual J
North Dakota	Logan	88	-15	3.9	Jamestown Municipal Airport North Dakota	Manual J	Jamestown Municipal Airport North Dakota	Manual J
North Dakota	McHenry	89	-18	4.2	MINOT AFB ND	ASHRAE	MINOT AFB ND	ASHRAE
North Dakota	McIntosh	88	-15	3.9	Jamestown Municipal Airport North Dakota	Manual J	Jamestown Municipal Airport North Dakota	Manual J
North Dakota	McKenzie	91	-18	4.0	Williston Sloulin International Airport North Dakota	Manual J	Williston Sloulin International Airport North Dakota	Manual J
North Dakota	McLean	88	-17	4.6	GARRISON ND	ASHRAE	GARRISON ND	ASHRAE
North Dakota	Mercer	88	-17	4.6	GARRISON ND	ASHRAE	GARRISON ND	ASHRAE
North Dakota	Morton	90	-14	3.6	BISMARCK MUNICIPAL ND	ASHRAE	Bismarck Municipal Airport North Dakota	Manual J
North Dakota	Mountrail	89	-18	4.2	MINOT AFB ND	ASHRAE	MINOT AFB ND	ASHRAE
North Dakota	Nelson	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Oliver	88	-17	4.6	GARRISON ND	ASHRAE	GARRISON ND	ASHRAE
North Dakota	Pembina	85	-20	5.1	Hallock Minnesota	Manual J	Hallock Minnesota	Manual J
North Dakota	Pierce	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Ramsey	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Ransom	89	-14	3.6	Lidgerwood North Dakota	Manual J	Lidgerwood North Dakota	Manual J
North Dakota	Renville	89	-18	4.2	MINOT AFB ND	ASHRAE	MINOT AFB ND	ASHRAE
North Dakota	Richland	89	-14	3.6	Lidgerwood North Dakota	Manual J	Lidgerwood North Dakota	Manual J
North Dakota	Rolette	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Sargent	89	-14	3.6	Lidgerwood North Dakota	Manual J	Lidgerwood North Dakota	Manual J
North Dakota	Sheridan	90	-14	3.6	BISMARCK MUNICIPAL ND	ASHRAE	Bismarck Municipal Airport North Dakota	Manual J
North Dakota	Sioux	90	-14	3.6	BISMARCK MUNICIPAL ND	ASHRAE	Bismarck Municipal Airport North Dakota	Manual J
North Dakota	Slope	90	-13	3.9	Dickinson Municipal Airport North Dakota	Manual J	Dickinson Municipal Airport North Dakota	Manual J
North Dakota	Stark	90	-13	3.9	Dickinson Municipal Airport North Dakota	Manual J	Dickinson Municipal Airport North Dakota	Manual J
North Dakota	Steele	88	-17	4.3	Grand Forks Air Force Base North Dakota	Manual J	GRAND FORKS INTL ND	ASHRAE
North Dakota	Stutsman	88	-15	3.9	Jamestown Municipal Airport North Dakota	Manual J	Jamestown Municipal Airport North Dakota	Manual J



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North Dakota	Towner	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Traill	88	-17	4.3	Grand Forks Air Force Base North Dakota	Manual J	GRAND FORKS INTL ND	ASHRAE
North Dakota	Walsh	88	-17	4.3	Grand Forks Air Force Base North Dakota	Manual J	GRAND FORKS INTL ND	ASHRAE
North Dakota	Ward	89	-18	4.2	MINOT AFB ND	ASHRAE	MINOT AFB ND	ASHRAE
North Dakota	Wells	82	-18	5.0	DEVILS LAKE MUNI ND	ASHRAE	Devils Lake North Dakota	Manual J
North Dakota	Williams	91	-18	4.0	Williston Sloulin International Airport North Dakota	Manual J	Williston Sloulin International Airport North Dakota	Manual J
<b>Nebraska</b>								
Nebraska	Adams	93	2	1.7	Hastings Municipal Airport Nebraska	Manual J	HASTINGS MUNI NE	ASHRAE
Nebraska	Antelope	92	-2	2.0	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J
Nebraska	Arthur	93	5	2.2	SEARLE FLD NE	ASHRAE	SEARLE FLD NE	ASHRAE
Nebraska	Banner	93	-1	2.4	SCOTTSBLUFF/HEILIG NE	ASHRAE	Scottsbluff W. B. Heilig Field Nebraska	Manual J
Nebraska	Blaine	91	1	2.3	BROKEN BOW MUNI NE	ASHRAE	BROKEN BOW MUNI NE	ASHRAE
Nebraska	Boone	92	-2	2.0	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J
Nebraska	Box Butte	93	0	2.8	ALLIANCE MUNI NE	ASHRAE	ALLIANCE MUNI NE	ASHRAE
Nebraska	Boyd	91	-2	2.3	O'Neill Municipal Airport Nebraska	Manual J	O'Neill Municipal Airport Nebraska	Manual J
Nebraska	Brown	91	0	2.4	Ainsworth Municipal Airport Nebraska	Manual J	AINSWORTH MUNICIPAL NE	ASHRAE
Nebraska	Buffalo	91	3	2.0	Kearney Municipal Airport Nebraska	Manual J	KEARNEY MUNI NE	ASHRAE
Nebraska	Burt	91	-1	1.9	Tekamah ASOS Nebraska	Manual J	TEKAMAH MUNI NE	ASHRAE
Nebraska	Butler	91	0	2.1	Columbus Municipal Airport Nebraska	Manual J	COLUMBUS MUNI NE	ASHRAE
Nebraska	Cass	91	2	1.6	Offutt Air Force Base Bellevue Nebraska	Manual J	Offutt Air Force Base Bellevue Nebraska	Manual J
Nebraska	Cedar	90	-3	2.3	Yankton Chan Gurney Municipal Airport South Dakota	Manual J	CHAN GURNEY MUNI SD	ASHRAE
Nebraska	Chase	93	5	2.2	SEARLE FLD NE	ASHRAE	SEARLE FLD NE	ASHRAE
Nebraska	Cherry	94	-6	2.5	Valentine Miller Field Nebraska	Manual J	Valentine Miller Field Nebraska	Manual J
Nebraska	Cheyenne	93	0	2.6	Sidney Municipal Airport Nebraska	Manual J	Sidney Municipal Airport Nebraska	Manual J
Nebraska	Clay	90	3	1.8	AURORA MUNI AL POTT NE	ASHRAE	AURORA MUNI AL POTT NE	ASHRAE
Nebraska	Colfax	91	0	2.1	Columbus Municipal Airport Nebraska	Manual J	COLUMBUS MUNI NE	ASHRAE
Nebraska	Cuming	91	1	1.8	Fremont Municipal Airport Nebraska	Manual J	FREMONT MUNI NE	ASHRAE
Nebraska	Custer	91	1	2.3	BROKEN BOW MUNI NE	ASHRAE	BROKEN BOW MUNI NE	ASHRAE



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Nebraska	Dakota	90	-4	2.1	SIOUX CITY MUNI IA	ASHRAE	Sioux City Sioux Gateway Airport Iowa	Manual J
Nebraska	Dawes	94	-3	2.6	Chadron Airport Nebraska	Manual J	Chadron Airport Nebraska	Manual J
Nebraska	Dawson	91	1	2.3	BROKEN BOW MUNI NE	ASHRAE	BROKEN BOW MUNI NE	ASHRAE
Nebraska	Deuel	93	5	2.2	SEARLE FLD NE	ASHRAE	SEARLE FLD NE	ASHRAE
Nebraska	Dixon	90	-4	2.1	SIOUX CITY MUNI IA	ASHRAE	Sioux City Sioux Gateway Airport Iowa	Manual J
Nebraska	Dodge	91	1	1.8	Fremont Municipal Airport Nebraska	Manual J	FREMONT MUNI NE	ASHRAE
Nebraska	Douglas	92	-2	1.8	Omaha Eppley Airfield Nebraska	Manual J	Omaha WSFO Nebraska	Manual J
Nebraska	Dundy	95	4	1.8	Goodland Renner Field Kansas	Manual J	Goodland Renner Field Kansas	Manual J
Nebraska	Fillmore	90	3	1.8	AURORA MUNI AL POTT NE	ASHRAE	AURORA MUNI AL POTT NE	ASHRAE
Nebraska	Franklin	92	5	1.8	Holdrege Brewster Field Airport Nebraska	Manual J	BREWSTER FLD NE	ASHRAE
Nebraska	Frontier	99	7	1.6	Mc Cook Municipal Airport Nebraska	Manual J	MCCOOK RGNL NE	ASHRAE
Nebraska	Furnas	92	5	1.8	Holdrege Brewster Field Airport Nebraska	Manual J	BREWSTER FLD NE	ASHRAE
Nebraska	Gage	93	3	1.6	Beatrice Municipal Airport Nebraska	Manual J	BEATRICE MUNI NE	ASHRAE
Nebraska	Garden	93	0	2.8	ALLIANCE MUNI NE	ASHRAE	ALLIANCE MUNI NE	ASHRAE
Nebraska	Garfield	91	-2	2.3	O'Neill Municipal Airport Nebraska	Manual J	O'Neill Municipal Airport Nebraska	Manual J
Nebraska	Gosper	92	5	1.8	Holdrege Brewster Field Airport Nebraska	Manual J	BREWSTER FLD NE	ASHRAE
Nebraska	Grant	93	5	2.2	SEARLE FLD NE	ASHRAE	SEARLE FLD NE	ASHRAE
Nebraska	Greeley	93	0	1.8	Grand Island Central NE Region Airport Nebraska	Manual J	Grand Island Central NE Region Airport Nebraska	Manual J
Nebraska	Hall	93	0	1.8	Grand Island Central NE Region Airport Nebraska	Manual J	Grand Island Central NE Region Airport Nebraska	Manual J
Nebraska	Hamilton	90	3	1.8	AURORA MUNI AL POTT NE	ASHRAE	AURORA MUNI AL POTT NE	ASHRAE
Nebraska	Harlan	92	5	1.8	Holdrege Brewster Field Airport Nebraska	Manual J	BREWSTER FLD NE	ASHRAE
Nebraska	Hayes	99	7	1.6	Mc Cook Municipal Airport Nebraska	Manual J	MCCOOK RGNL NE	ASHRAE
Nebraska	Hitchcock	99	7	1.6	Mc Cook Municipal Airport Nebraska	Manual J	MCCOOK RGNL NE	ASHRAE
Nebraska	Holt	91	-2	2.3	O'Neill Municipal Airport Nebraska	Manual J	O'Neill Municipal Airport Nebraska	Manual J
Nebraska	Hooker	93	-1	2.2	North Platte Regional Airport Nebraska	Manual J	North Platte Regional Airport Nebraska	Manual J
Nebraska	Howard	93	0	1.8	Grand Island Central NE Region Airport Nebraska	Manual J	Grand Island Central NE Region Airport Nebraska	Manual J
Nebraska	Jefferson	93	3	1.6	Beatrice Municipal Airport Nebraska	Manual J	BEATRICE MUNI NE	ASHRAE



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Nebraska	Johnson	93	3	1.6	Beatrice Municipal Airport Nebraska	Manual J	BEATRICE MUNI NE	ASHRAE
Nebraska	Kearney	91	3	2.0	Kearney Municipal Airport Nebraska	Manual J	KEARNEY MUNI NE	ASHRAE
Nebraska	Keith	93	5	2.2	SEARLE FLD NE	ASHRAE	SEARLE FLD NE	ASHRAE
Nebraska	Keya Paha	91	0	2.4	Ainsworth Municipal Airport Nebraska	Manual J	AINSWORTH MUNICIPAL NE	ASHRAE
Nebraska	Kimball	93	-1	2.4	SCOTTSBLUFF/HEILIG NE	ASHRAE	Scottsbluff W. B. Heilig Field Nebraska	Manual J
Nebraska	Knox	90	-3	2.3	Yankton Chan Gurney Municipal Airport South Dakota	Manual J	CHAN GURNEY MUNI SD	ASHRAE
Nebraska	Lancaster	94	0	1.7	Lincoln Municipal Airport Nebraska	Manual J	Lincoln Municipal Airport Nebraska	Manual J
Nebraska	Lincoln	93	-1	2.2	North Platte Regional Airport Nebraska	Manual J	North Platte Regional Airport Nebraska	Manual J
Nebraska	Logan	93	-1	2.2	North Platte Regional Airport Nebraska	Manual J	North Platte Regional Airport Nebraska	Manual J
Nebraska	Loup	91	1	2.3	BROKEN BOW MUNI NE	ASHRAE	BROKEN BOW MUNI NE	ASHRAE
Nebraska	Madison	92	-2	2.0	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J
Nebraska	McPherson	93	-1	2.2	North Platte Regional Airport Nebraska	Manual J	North Platte Regional Airport Nebraska	Manual J
Nebraska	Merrick	90	3	1.8	AURORA MUNI AL POTT NE	ASHRAE	AURORA MUNI AL POTT NE	ASHRAE
Nebraska	Morrill	93	0	2.8	ALLIANCE MUNI NE	ASHRAE	ALLIANCE MUNI NE	ASHRAE
Nebraska	Nance	90	3	1.8	AURORA MUNI AL POTT NE	ASHRAE	AURORA MUNI AL POTT NE	ASHRAE
Nebraska	Nemaha	92	3	1.4	FALLS CITY/BRENNER NE	ASHRAE	FALLS CITY/BRENNER NE	ASHRAE
Nebraska	Nuckolls	93	2	1.7	Hastings Municipal Airport Nebraska	Manual J	HASTINGS MUNI NE	ASHRAE
Nebraska	Otoe	91	2	1.6	Offutt Air Force Base Bellevue Nebraska	Manual J	Offutt Air Force Base Bellevue Nebraska	Manual J
Nebraska	Pawnee	93	3	1.6	Beatrice Municipal Airport Nebraska	Manual J	BEATRICE MUNI NE	ASHRAE
Nebraska	Perkins	93	5	2.2	SEARLE FLD NE	ASHRAE	SEARLE FLD NE	ASHRAE
Nebraska	Phelps	92	5	1.8	Holdrege Brewster Field Airport Nebraska	Manual J	BREWSTER FLD NE	ASHRAE
Nebraska	Pierce	92	-2	2.0	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J
Nebraska	Platte	91	0	2.1	Columbus Municipal Airport Nebraska	Manual J	COLUMBUS MUNI NE	ASHRAE
Nebraska	Polk	91	0	2.1	Columbus Municipal Airport Nebraska	Manual J	COLUMBUS MUNI NE	ASHRAE
Nebraska	Red Willow	99	7	1.6	Mc Cook Municipal Airport Nebraska	Manual J	MCCOOK RGNL NE	ASHRAE
Nebraska	Richardson	92	3	1.4	FALLS CITY/BRENNER NE	ASHRAE	FALLS CITY/BRENNER NE	ASHRAE
Nebraska	Rock	91	0	2.4	Ainsworth Municipal Airport Nebraska	Manual J	AINSWORTH MUNICIPAL NE	ASHRAE
Nebraska	Saline	93	3	1.6	Beatrice Municipal Airport Nebraska	Manual J	BEATRICE MUNI NE	ASHRAE



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Nebraska	Sarpy	91	2	1.6	Offutt Air Force Base Bellevue Nebraska	Manual J	Offutt Air Force Base Bellevue Nebraska	Manual J
Nebraska	Saunders	91	1	1.8	Fremont Municipal Airport Nebraska	Manual J	FREMONT MUNI NE	ASHRAE
Nebraska	Scotts Bluff	93	-1	2.4	SCOTTSBLUFF/HEILIG NE	ASHRAE	Scottsbluff W. B. Heilig Field Nebraska	Manual J
Nebraska	Seward	94	0	1.7	Lincoln Municipal Airport Nebraska	Manual J	Lincoln Municipal Airport Nebraska	Manual J
Nebraska	Sheridan	95	-2	2.6	PINE RIDGE SD	ASHRAE	PINE RIDGE SD	ASHRAE
Nebraska	Sherman	91	3	2.0	Kearney Municipal Airport Nebraska	Manual J	KEARNEY MUNI NE	ASHRAE
Nebraska	Sioux	93	-8	2.9	TORRINGTON MUNI WY	ASHRAE	Torrington Wyoming	Manual J
Nebraska	Stanton	92	-2	2.0	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J
Nebraska	Thayer	96	5	1.4	Concordia Blosser Municipal Airport Kansas	Manual J	Concordia Blosser Municipal Airport Kansas	Manual J
Nebraska	Thomas	93	-1	2.2	North Platte Regional Airport Nebraska	Manual J	North Platte Regional Airport Nebraska	Manual J
Nebraska	Thurston	90	-4	2.1	SIOUX CITY MUNI IA	ASHRAE	Sioux City Sioux Gateway Airport Iowa	Manual J
Nebraska	Valley	91	1	2.3	BROKEN BOW MUNI NE	ASHRAE	BROKEN BOW MUNI NE	ASHRAE
Nebraska	Washington	91	-1	1.9	Tekamah ASOS Nebraska	Manual J	TEKAMAH MUNI NE	ASHRAE
Nebraska	Wayne	92	-2	2.0	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J	Norfolk Karl Stefan Memorial Airport Nebraska	Manual J
Nebraska	Webster	93	2	1.7	Hastings Municipal Airport Nebraska	Manual J	HASTINGS MUNI NE	ASHRAE
Nebraska	Wheeler	91	-2	2.3	O'Neill Municipal Airport Nebraska	Manual J	O'Neill Municipal Airport Nebraska	Manual J
Nebraska	York	90	3	1.8	AURORA MUNI AL POTT NE	ASHRAE	AURORA MUNI AL POTT NE	ASHRAE

### New Hampshire

New Hampshire	Belknap	84	1	3.3	LACONIA MUNI NH	ASHRAE	Laconia Municipal Airport New Hampshire	Manual J
New Hampshire	Carroll	86	-6	3.7	EASTERN SLOPES RGNL ME	ASHRAE	EASTERN SLOPES RGNL ME	ASHRAE
New Hampshire	Cheshire	85	0	3.3	Keene Dillant-Hopkins Airport New Hampshire	Manual J	Keene Dillant-Hopkins Airport New Hampshire	Manual J
New Hampshire	Coos	82	-18	92.5	MT WASHINGTON RGNL NH	ASHRAE	Mount Washington New Hampshire	Manual J
New Hampshire	Grafton	86	-3	3.5	Lebanon Municipal Airport New Hampshire	Manual J	Lebanon Municipal Airport New Hampshire	Manual J
New Hampshire	Hillsborough	89	7	2.2	Manchester Airport New Hampshire	Manual J	Manchester Airport New Hampshire	Manual J
New Hampshire	Merrimack	87	0	3.1	CONCORD MUNICIPAL NH	ASHRAE	Concord Municipal Airport New Hampshire	Manual J
New Hampshire	Rockingham	89	7	2.2	Manchester Airport New Hampshire	Manual J	Manchester Airport New Hampshire	Manual J
New Hampshire	Strafford	86	5	2.8	SKYHAVEN NH	ASHRAE	SKYHAVEN NH	ASHRAE



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New Hampshire	Sullivan	86	-4	3.7	Claremont New Hampshire	Manual J	Claremont New Hampshire	Manual J
<b>New Jersey</b>								
New Jersey	Atlantic	90	15	1.4	ATLANTIC CITY INTL NJ	ASHRAE	Atlantic City International Airport New Jersey	Manual J
New Jersey	Bergen	90	15	1.5	Teterboro Airport New Jersey	Manual J	Teterboro Airport New Jersey	Manual J
New Jersey	Burlington	90	15	1.4	SOUTH JERSEY RGNL NJ	ASHRAE	McGuire Air Force Base New Jersey	Manual J
New Jersey	Camden	90	18	1.1	SOUTH JERSEY RGNL NJ	ASHRAE	PHILADELPHIA INTL PA	ASHRAE
New Jersey	Cape May	88	19	1.3	CAPE MAY CO NJ	ASHRAE	Cape May Co. Airport New Jersey	Manual J
New Jersey	Cumberland	90	11	1.4	Millville Municipal Airport New Jersey	Manual J	Vineland New Jersey	Manual J
New Jersey	Essex	91	14	1.6	Newark International Airport New Jersey	Manual J	ESSEX CO NJ	ASHRAE
New Jersey	Gloucester	91	18	1.1	PHILADELPHIA INTL PA	ASHRAE	PHILADELPHIA INTL PA	ASHRAE
New Jersey	Hudson	91	17	1.2	Newark International Airport New Jersey	Manual J	NEWARK INTL AIRPORT NJ	ASHRAE
New Jersey	Hunterdon	90	6	1.8	TRENTON MERCER NJ	ASHRAE	Phillipsburg New Jersey	Manual J
New Jersey	Mercer	90	14	1.5	TRENTON MERCER NJ	ASHRAE	Trenton Mercer Co. Airport New Jersey	Manual J
New Jersey	Middlesex	89	10	1.7	New Brunswick New Jersey	Manual J	New Brunswick New Jersey	Manual J
New Jersey	Monmouth	90	13	1.7	Long Branch New Jersey	Manual J	Long Branch New Jersey	Manual J
New Jersey	Morris	89	14	1.6	New Brunswick New Jersey	Manual J	ESSEX CO NJ	ASHRAE
New Jersey	Ocean	91	10	1.2	Patterson New Jersey	Manual J	Patterson New Jersey	Manual J
New Jersey	Passaic	90	14	1.6	Teterboro Airport New Jersey	Manual J	ESSEX CO NJ	ASHRAE
New Jersey	Salem	89	16	1.3	WILMINGTON NEW CAST DE	ASHRAE	Wilmington New Castle Co. Airport Delaware	Manual J
New Jersey	Somerset	89	10	1.7	New Brunswick New Jersey	Manual J	New Brunswick New Jersey	Manual J
New Jersey	Sussex	88	14	1.6	ORANGE CO NY	ASHRAE	ESSEX CO NJ	ASHRAE
New Jersey	Union	91	17	1.2	NEWARK INTL AIRPORT NJ	ASHRAE	NEWARK INTL AIRPORT NJ	ASHRAE
New Jersey	Warren	89	6	1.8	Phillipsburg New Jersey	Manual J	Phillipsburg New Jersey	Manual J
<b>New Mexico</b>								
New Mexico	Bernalillo	93	21	1.0	Albuquerque International Airport New Mexico	Manual J	Albuquerque International Airport New Mexico	Manual J
New Mexico	Catron	104	7	2.0	Clifton Arizona	Manual J - Micro	Blue Arizona	Manual J - Micro
New Mexico	Chaves	98	21	0.6	ROSWELL/INDUSTRIAL NM	ASHRAE	Roswell Intergalactic Air Center New Mexico	Manual J



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New Mexico	Cibola	88	4	2.1	Grants New Mexico	Manual J	Grants New Mexico	Manual J
New Mexico	Colfax	89	1	2.6	Raton Airport New Mexico	Manual J	Raton Airport New Mexico	Manual J
New Mexico	Curry	95	17	0.9	Cannon Air Force Base (Clovis) New Mexico	Manual J	Cannon Air Force Base (Clovis) New Mexico	Manual J
New Mexico	De Baca	95	17	0.9	Cannon Air Force Base (Clovis) New Mexico	Manual J	Cannon Air Force Base (Clovis) New Mexico	Manual J
New Mexico	Dona Ana	97	20	0.6	White Sands New Mexico	Manual J	Las Cruces New Mexico	Manual J
New Mexico	Eddy	100	19	0.8	Artesia New Mexico	Manual J	Artesia New Mexico	Manual J
New Mexico	Grant	94	10	1.3	Silver City Airport New Mexico	Manual J	Silver City Airport New Mexico	Manual J
New Mexico	Guadalupe	86	13	2.4	LAS VEGAS MUNICIPAL NM	ASHRAE	LAS VEGAS MUNICIPAL NM	ASHRAE
New Mexico	Harding	95	15	0.9	Tucumcari Airport New Mexico	Manual J	Tucumcari Airport New Mexico	Manual J
New Mexico	Hidalgo	94	16	1.7	Silver City Airport New Mexico	Manual J	Portal Arizona	Manual J - Micro
New Mexico	Lea	99	18	0.6	Hobbs Airport New Mexico	Manual J	Hobbs Airport New Mexico	Manual J
New Mexico	Lincoln	86	19	1.4	Sierra Blanca Regional Airport New Mexico	Manual J	Sierra Blanca Regional Airport New Mexico	Manual J
New Mexico	Los Alamos	87	9	3.2	Sierra Blanca Regional Airport New Mexico	Manual J	Los Alamos New Mexico	Manual J
New Mexico	Luna	99	23	0.6	DEMING MUNI NM	ASHRAE	DEMING MUNI NM	ASHRAE
New Mexico	McKinley	90	5	2.7	GALLUP MUNI NM	ASHRAE	Gallup Sen. Clarke Field New Mexico	Manual J
New Mexico	Mora	86	13	2.4	LAS VEGAS MUNICIPAL NM	ASHRAE	LAS VEGAS MUNICIPAL NM	ASHRAE
New Mexico	Otero	99	22	0.7	Alamogordo White Sands Regional Airport New Mexico	Manual J	HOLLOWAY AFB NM	ASHRAE
New Mexico	Quay	95	15	0.9	Tucumcari Airport New Mexico	Manual J	Tucumcari Airport New Mexico	Manual J
New Mexico	Rio Arriba	87	9	3.2	Los Alamos New Mexico	Manual J	Los Alamos New Mexico	Manual J
New Mexico	Roosevelt	95	17	0.9	Cannon Air Force Base (Clovis) New Mexico	Manual J	Cannon Air Force Base (Clovis) New Mexico	Manual J
New Mexico	San Juan	93	12	1.6	FOUR CORNERS RGNL NM	ASHRAE	FOUR CORNERS RGNL NM	ASHRAE
New Mexico	San Miguel	86	13	2.4	LAS VEGAS MUNICIPAL NM	ASHRAE	LAS VEGAS MUNICIPAL NM	ASHRAE
New Mexico	Sandoval	87	9	3.2	Los Alamos New Mexico	Manual J	Los Alamos New Mexico	Manual J
New Mexico	Santa Fe	90	10	2.5	SANTA FE CO. MUNI NM	ASHRAE	Santa Fe City Office New Mexico	Manual J
New Mexico	Sierra	96	25	0.6	Truth Or Consequences Municipal Airport New Mexico	Manual J	Truth Or Consequences Municipal Airport New Mexico	Manual J
New Mexico	Socorro	95	17	1.0	Socorro Airport New Mexico	Manual J	Socorro Airport New Mexico	Manual J
New Mexico	Taos	86	3	3.6	Taos Municipal Airport New Mexico	Manual J	TAOS MUNI APT(AWOS) NM	ASHRAE



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New Mexico	Torrance	86	14	2.2	CLINES CORNERS NM	ASHRAE	CLINES CORNERS NM	ASHRAE
New Mexico	Union	93	12	1.4	CLAYTON MUNI(AMOS) NM	ASHRAE	Clayton Municipal Airport New Mexico	Manual J
New Mexico	Valencia	93	21	1.0	Albuquerque International Airport New Mexico	Manual J	Albuquerque International Airport New Mexico	Manual J
<b>Nevada</b>								
Nevada	Carson City	91	9	2.4	Carson City Nevada	Manual J	Carson City Nevada	Manual J
Nevada	Churchill	97	10	2.1	FALLON NAS NV	ASHRAE	Fallon Exp Sta Nevada	Manual J - Micro
Nevada	Clark	111	17	0.6	Sunrise Manor Nevada	Manual J - Micro	Indian Spr Air Force Base Nevada	Manual J - Micro
Nevada	Douglas	93	4	2.7	Topaz Lake Nevada	Manual J - Micro	Minden Nevada	Manual J - Micro
Nevada	Elko	97	-16	7.4	Montello Nevada	Manual J - Micro	Mtn City Ranger Station Nevada	Manual J - Micro
Nevada	Esmeralda	99	2	1.9	Silverpeak Nevada	Manual J - Micro	Dyer Nevada	Manual J - Micro
Nevada	Eureka	96	-10	5.1	Beowawe Nevada	Manual J - Micro	Rand Ranch Nevada	Manual J - Micro
Nevada	Humboldt	97	-9	2.6	Denio Nevada	Manual J - Micro	Winnemucca Air Force Station Nevada	Manual J - Micro
Nevada	Lander	97	-9	3.3	Cortez Gold Mine Nevada	Manual J - Micro	Central NV Field Lab Nevada	Manual J - Micro
Nevada	Lincoln	103	-7	0.9	Elgin Nevada	Manual J - Micro	Bald Mtn Nevada	Manual J - Micro
Nevada	Lyon	97	7	1.7	Fernley Nevada	Manual J - Micro	Yerington Nevada	Manual J - Micro
Nevada	Mineral	99	-2	1.9	Mina Nevada	Manual J - Micro	Montgomery Nevada	Manual J - Micro
Nevada	Nye	105	-7	6.1	Lathrop Wells Nevada	Manual J - Micro	Currant Hwy Stn Nevada	Manual J - Micro
Nevada	Pershing	101	6	2.1	Brinkerhoff Rch Nevada	Manual J - Micro	Rye Patch Dam Nevada	Manual J - Micro
Nevada	Storey	86	18	2.8	Virginia City Nevada	Manual J - Micro	Virginia City Nevada	Manual J - Micro
Nevada	Washoe	97	-2	3.1	Empire (Gerlach) Nevada	Manual J - Micro	Vya Nevada	Manual J - Micro
Nevada	White Pine	91	-11	6.1	Ruby Lake Nevada	Manual J - Micro	Cherry Creek Nevada	Manual J - Micro
<b>New York</b>								
New York	Albany	88	1	2.7	Albany City Office New York	Manual J	Albany City Office New York	Manual J
New York	Allegany	81	3	3.4	WELLSVILLE MUNI NY	ASHRAE	WELLSVILLE MUNI NY	ASHRAE



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New York	Bronx	90	17	1.2	NEW YORK/LA GUARDIA NY	ASHRAE	New York Laguardia Airport New York	Manual J
New York	Broome	83	4	3.1	Binghamton Edwin A-Link Field New York	Manual J	Binghamton Edwin A-Link Field New York	Manual J
New York	Cattaraugus	84	2	3.1	Olean New York	Manual J	Olean New York	Manual J
New York	Cayuga	87	2	3.1	Auburn New York	Manual J	Auburn New York	Manual J
New York	Chautauqua	86	3	3.1	Jamestown New York	Manual J	Jamestown New York	Manual J
New York	Chemung	87	3	2.8	Elmira Corning Regional Airport New York	Manual J	Elmira Corning Regional Airport New York	Manual J
New York	Chenango	83	4	3.1	Binghamton Edwin A-Link Field New York	Manual J	Binghamton Edwin A-Link Field New York	Manual J
New York	Clinton	83	-5	3.7	PLATTSBURGH INTL NY	ASHRAE	PLATTSBURGH INTL NY	ASHRAE
New York	Columbia	84	-3	2.5	Pittsfield Airport Massachusetts	Manual J	Pittsfield Airport Massachusetts	Manual J
New York	Cortland	85	0	3.0	Cortland New York	Manual J	Cortland New York	Manual J
New York	Delaware	83	-4	3.1	Oneonta New York	Manual J	Oneonta New York	Manual J
New York	Dutchess	89	6	2.2	Poughkeepsie Dutchess Co. Airport New York	Manual J	Poughkeepsie Dutchess Co. Airport New York	Manual J
New York	Erie	84	7	2.5	Buffalo Niagara International Airport New York	Manual J	Buffalo Niagara International Airport New York	Manual J
New York	Essex	81	-11	6.4	ADIRONDACK RGNL NY	ASHRAE	ADIRONDACK RGNL NY	ASHRAE
New York	Franklin	81	-11	6.4	ADIRONDACK RGNL NY	ASHRAE	ADIRONDACK RGNL NY	ASHRAE
New York	Fulton	86	-2	3.6	Gloversville New York	Manual J	Gloversville New York	Manual J
New York	Genesee	87	5	2.5	Batavia New York	Manual J	Batavia New York	Manual J
New York	Greene	88	2	2.5	Kingston New York	Manual J	Kingston New York	Manual J
New York	Hamilton	86	-2	3.6	Gloversville New York	Manual J	Gloversville New York	Manual J
New York	Herkimer	86	0	3.0	Griffiss Air Force Base New York	Manual J	Griffiss Air Force Base New York	Manual J
New York	Jefferson	84	-6	3.5	Fort Drum New York	Manual J	Watertown Airport New York	Manual J
New York	Kings	89	13	2.4	New York Central Park New York	Manual J	NYC CENTRAL PARK NY	ASHRAE
New York	Lewis	84	0	3.0	Fort Drum New York	Manual J	Griffiss Air Force Base New York	Manual J
New York	Livingston	86	6	2.6	ROCHESTER-MONROE CO NY	ASHRAE	Rochester International Airport New York	Manual J
New York	Madison	86	0	3.0	Griffiss Air Force Base New York	Manual J	Griffiss Air Force Base New York	Manual J
New York	Monroe	86	6	2.6	ROCHESTER-MONROE CO NY	ASHRAE	Rochester International Airport New York	Manual J
New York	Montgomery	86	-2	3.6	Gloversville New York	Manual J	Gloversville New York	Manual J



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New York	Nassau	88	17	1.2	Republic New York	Manual J	New York Laguardia Airport New York	Manual J
New York	New York	89	13	2.4	New York Central Park New York	Manual J	NYC CENTRAL PARK NY	ASHRAE
New York	Niagara	86	7	2.5	Lockport New York	Manual J	Niagara Falls New York	Manual J
New York	Oneida	86	0	3.0	Griffiss Air Force Base New York	Manual J	Griffiss Air Force Base New York	Manual J
New York	Onondaga	86	3	2.5	SYRACUSE/HANCOCK NY	ASHRAE	Syracuse Hancock International Airport New York	Manual J
New York	Ontario	87	2	2.9	Geneva New York	Manual J	Geneva New York	Manual J
New York	Orange	88	9	2.2	ORANGE CO NY	ASHRAE	ORANGE CO NY	ASHRAE
New York	Orleans	87	5	2.5	Batavia New York	Manual J	Batavia New York	Manual J
New York	Oswego	84	3	2.9	OSWEGO CO NY	ASHRAE	OSWEGO CO NY	ASHRAE
New York	Otsego	83	-4	3.1	Oneonta New York	Manual J	Oneonta New York	Manual J
New York	Putnam	89	6	2.2	Poughkeepsie Dutchess Co. Airport New York	Manual J	Poughkeepsie Dutchess Co. Airport New York	Manual J
New York	Queens	90	17	1.2	NEW YORK/LA GUARDIA NY	ASHRAE	New York LaGuardia Airport New York	Manual J
New York	Rensselaer	88	1	2.7	Albany City Office New York	Manual J	Albany City Office New York	Manual J
New York	Richmond	91	17	1.2	NEWARK INTL AIRPORT NJ	ASHRAE	NEWARK INTL AIRPORT NJ	ASHRAE
New York	Rockland	90	15	1.5	Teterboro Airport New Jersey	Manual J	Teterboro Airport New Jersey	Manual J
New York	Saratoga	87	1	2.4	Schenectady New York	Manual J	Schenectady New York	Manual J
New York	Schenectady	87	1	2.4	Schenectady New York	Manual J	Schenectady New York	Manual J
New York	Schoharie	86	-2	3.6	Gloversville New York	Manual J	Gloversville New York	Manual J
New York	Schuyler	86	7	2.4	PENN YAN NY	ASHRAE	PENN YAN NY	ASHRAE
New York	Seneca	87	2	2.9	Geneva New York	Manual J	Geneva New York	Manual J
New York	St. Lawrence	85	-9	3.6	Massena Airport New York	Manual J	Massena Airport New York	Manual J
New York	Steuben	85	0	3.4	Hornell New York	Manual J	Hornell New York	Manual J
New York	Suffolk	88	10	1.7	Republic New York	Manual J	Suffolk Co. Airport East Quogue New York	Manual J
New York	Sullivan	82	3	3.4	SULLIVAN CO INTL NY	ASHRAE	Monticello New York	Manual J
New York	Tioga	83	4	3.1	Binghamton Edwin A-Link Field New York	Manual J	Binghamton Edwin A-Link Field New York	Manual J
New York	Tompkins	85	0	3.4	Ithaca New York	Manual J	Ithaca New York	Manual J
New York	Ulster	88	2	2.5	Kingston New York	Manual J	Kingston New York	Manual J
New York	Warren	85	-3	3.2	FLOYD BENNETT MEM NY	ASHRAE	FLOYD BENNETT MEM NY	ASHRAE



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New York	Washington	85	-4	3.3	Glens Falls Airport New York	Manual J	Glens Falls Airport New York	Manual J
New York	Wayne	87	2	2.9	Geneva New York	Manual J	Geneva New York	Manual J
New York	Westchester	87	12	1.9	White Plains Westchester Co. Airport New York	Manual J	White Plains Westchester Co. Airport New York	Manual J
New York	Wyoming	87	5	2.5	Batavia New York	Manual J	Batavia New York	Manual J
New York	Yates	86	7	2.4	PENN YAN NY	ASHRAE	PENN YAN NY	ASHRAE
<b>Ohio</b>								
Ohio	Adams	92	10	1.5	Portsmouth Ohio	Manual J	Portsmouth Ohio	Manual J
Ohio	Allen	91	4	1.9	Lima Ohio	Manual J	Lima Ohio	Manual J
Ohio	Ashland	86	6	2.2	Mansfield Lahm Municipal Airport Ohio	Manual J	Mansfield Lahm Municipal Airport Ohio	Manual J
Ohio	Ashtabula	88	9	2.6	ASHTABULA CO OH	ASHRAE	Ashtabula Ohio	Manual J
Ohio	Athens	92	6	1.9	Athens Ohio	Manual J	Athens Ohio	Manual J
Ohio	Auglaize	91	4	1.9	Lima Ohio	Manual J	Lima Ohio	Manual J
Ohio	Belmont	86	5	1.6	Wheeling West Virginia	Manual J	Wheeling West Virginia	Manual J
Ohio	Brown	88	10	1.5	AIRBORNE AIRPARK OH	ASHRAE	AIRBORNE AIRPARK OH	ASHRAE
Ohio	Butler	90	5	1.3	BUTLER CO RGNL OH	ASHRAE	Hamilton Ohio	Manual J
Ohio	Carroll	88	10	1.9	HARRY CLEVER FLD OH	ASHRAE	HARRY CLEVER FLD OH	ASHRAE
Ohio	Champaign	89	3	2.0	Springfield Ohio	Manual J	Springfield Ohio	Manual J
Ohio	Clark	89	3	2.0	Springfield Ohio	Manual J	Springfield Ohio	Manual J
Ohio	Clermont	90	12	1.3	CINCINNATI MUNI LUN OH	ASHRAE	Cincinnati Municipal Airport Ohio	Manual J
Ohio	Clinton	88	10	1.5	AIRBORNE AIRPARK OH	ASHRAE	AIRBORNE AIRPARK OH	ASHRAE
Ohio	Columbiana	86	5	1.9	Steubenville Ohio	Manual J	Steubenville Ohio	Manual J
Ohio	Coshocton	88	10	1.7	Zanesville Municipal Airport Ohio	Manual J	Zanesville Municipal Airport Ohio	Manual J
Ohio	Crawford	91	5	2.2	Marion Ohio	Manual J	Marion Ohio	Manual J
Ohio	Cuyahoga	87	9	2.0	CLEVELAND OH	ASHRAE	Cleveland-Hopkins International Airport Ohio	Manual J
Ohio	Darke	90	2	2.0	Richmond Airport Indiana	Manual J	Richmond Airport Indiana	Manual J
Ohio	Defiance	91	4	2.1	Defiance Ohio	Manual J	Defiance Ohio	Manual J
Ohio	Delaware	91	9	1.5	Marion Ohio	Manual J	Columbus Port Columbus International Airport Ohio	Manual J
Ohio	Erie	91	6	2.0	Sandusky City Office Ohio	Manual J	Sandusky City Office Ohio	Manual J



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Ohio	Fairfield	88	9	1.7	FAIRFIELD CO OH	ASHRAE	FAIRFIELD CO OH	ASHRAE
Ohio	Fayette	88	10	1.5	AIRBORNE AIRPARK OH	ASHRAE	AIRBORNE AIRPARK OH	ASHRAE
Ohio	Franklin	90	9	1.5	Columbus Rickenbacker ANGB Ohio	Manual J	Columbus Port Columbus International Airport Ohio	Manual J
Ohio	Fulton	88	3	2.5	Adrian Michigan	Manual J	Adrian Michigan	Manual J
Ohio	Gallia	91	10	1.6	Ashland Kentucky	Manual J	Ashland Kentucky	Manual J
Ohio	Geauga	87	5	2.7	Warren Ohio	Manual J	Warren Ohio	Manual J
Ohio	Greene	89	9	1.6	Wright-Paterson Air Force Base Ohio	Manual J	Wright-Paterson Air Force Base Ohio	Manual J
Ohio	Guernsey	90	7	1.7	Cambridge Ohio	Manual J	Cambridge Ohio	Manual J
Ohio	Hamilton	90	12	1.3	CINCINNATI MUNI LUN OH	ASHRAE	Cincinnati Municipal Airport Ohio	Manual J
Ohio	Hancock	88	6	2.0	FINDLAY OH	ASHRAE	Findlay Airport Ohio	Manual J
Ohio	Hardin	88	6	2.0	FINDLAY OH	ASHRAE	Findlay Airport Ohio	Manual J
Ohio	Harrison	88	10	1.9	HARRY CLEVER FLD OH	ASHRAE	HARRY CLEVER FLD OH	ASHRAE
Ohio	Henry	91	4	2.1	Defiance Ohio	Manual J	Defiance Ohio	Manual J
Ohio	Highland	88	10	1.5	AIRBORNE AIRPARK OH	ASHRAE	AIRBORNE AIRPARK OH	ASHRAE
Ohio	Hocking	88	9	1.7	FAIRFIELD CO OH	ASHRAE	FAIRFIELD CO OH	ASHRAE
Ohio	Holmes	86	6	2.3	Wooster Ohio	Manual J	Wooster Ohio	Manual J
Ohio	Huron	88	1	2.3	Norwalk Ohio	Manual J	Norwalk Ohio	Manual J
Ohio	Jackson	92	10	1.5	Portsmouth Ohio	Manual J	Portsmouth Ohio	Manual J
Ohio	Jefferson	86	5	1.9	Steubenville Ohio	Manual J	Steubenville Ohio	Manual J
Ohio	Knox	92	5	2.1	Newark Ohio	Manual J	Newark Ohio	Manual J
Ohio	Lake	87	9	2.6	CLEVELAND OH	ASHRAE	Ashtabula Ohio	Manual J
Ohio	Lawrence	91	10	1.6	Ashland Kentucky	Manual J	Ashland Kentucky	Manual J
Ohio	Licking	92	5	2.1	Newark Ohio	Manual J	Newark Ohio	Manual J
Ohio	Logan	89	3	2.0	Springfield Ohio	Manual J	Springfield Ohio	Manual J
Ohio	Lorain	88	9	1.9	LORAIN CO RGNL OH	ASHRAE	LORAIN CO RGNL OH	ASHRAE
Ohio	Lucas	89	5	2.1	TOLEDO EXPRESS OH	ASHRAE	Toledo Express Airport Ohio	Manual J
Ohio	Madison	89	3	2.0	Springfield Ohio	Manual J	Springfield Ohio	Manual J
Ohio	Mahoning	87	5	2.7	Warren Ohio	Manual J	Warren Ohio	Manual J
Ohio	Marion	91	5	2.2	Marion Ohio	Manual J	Marion Ohio	Manual J



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Ohio	Medina	87	9	2.0	CLEVELAND OH	ASHRAE	Cleveland-Hopkins International Airport Ohio	Manual J
Ohio	Meigs	92	6	1.9	Athens Ohio	Manual J	Athens Ohio	Manual J
Ohio	Mercer	91	4	1.9	Lima Ohio	Manual J	Lima Ohio	Manual J
Ohio	Miami	89	7	1.7	Wright-Paterson Air Force Base Ohio	Manual J	Dayton International Airport Ohio	Manual J
Ohio	Monroe	86	5	1.6	Wheeling West Virginia	Manual J	Wheeling West Virginia	Manual J
Ohio	Montgomery	88	7	1.7	DAYTON WRIGHT BROTHE OH	ASHRAE	Dayton International Airport Ohio	Manual J
Ohio	Morgan	88	10	1.7	Zanesville Municipal Airport Ohio	Manual J	Zanesville Municipal Airport Ohio	Manual J
Ohio	Morrow	91	5	2.2	Marion Ohio	Manual J	Marion Ohio	Manual J
Ohio	Muskingum	88	10	1.7	Zanesville Municipal Airport Ohio	Manual J	Zanesville Municipal Airport Ohio	Manual J
Ohio	Noble	90	7	1.7	Cambridge Ohio	Manual J	Cambridge Ohio	Manual J
Ohio	Ottawa	83	11	1.9	SOUTH BASS ISLAND OH	ASHRAE	SOUTH BASS ISLAND OH	ASHRAE
Ohio	Paunder	91	4	2.1	Defiance Ohio	Manual J	Defiance Ohio	Manual J
Ohio	Perry	92	5	2.1	Newark Ohio	Manual J	Newark Ohio	Manual J
Ohio	Pickaway	91	12	1.3	RICKENBACKER INTL OH	ASHRAE	RICKENBACKER INTL OH	ASHRAE
Ohio	Pike	92	6	1.7	Chillicothe Ohio	Manual J	Chillicothe Ohio	Manual J
Ohio	Portage	86	7	2.1	AKRON/AKRON-CANTON OH	ASHRAE	Akron-Canton Regional Airport Ohio	Manual J
Ohio	Preble	90	2	2.0	Richmond Airport Indiana	Manual J	Richmond Airport Indiana	Manual J
Ohio	Putnam	91	4	1.9	Lima Ohio	Manual J	Lima Ohio	Manual J
Ohio	Richland	86	6	2.2	Mansfield Lahm Municipal Airport Ohio	Manual J	Mansfield Lahm Municipal Airport Ohio	Manual J
Ohio	Ross	92	6	1.7	Chillicothe Ohio	Manual J	Chillicothe Ohio	Manual J
Ohio	Sandusky	88	1	2.1	Fremont Ohio	Manual J	Fremont Ohio	Manual J
Ohio	Scioto	92	10	1.5	Portsmouth Ohio	Manual J	Portsmouth Ohio	Manual J
Ohio	Seneca	88	1	2.1	Fremont Ohio	Manual J	Fremont Ohio	Manual J
Ohio	Shelby	91	4	1.9	Lima Ohio	Manual J	Lima Ohio	Manual J
Ohio	Stark	86	7	2.1	AKRON/AKRON-CANTON OH	ASHRAE	Akron-Canton Regional Airport Ohio	Manual J
Ohio	Summit	86	7	2.1	AKRON/AKRON-CANTON OH	ASHRAE	Akron-Canton Regional Airport Ohio	Manual J
Ohio	Trumbull	87	5	2.7	Warren Ohio	Manual J	Warren Ohio	Manual J
Ohio	Tuscarawas	88	10	1.9	HARRY CLEVER FLD OH	ASHRAE	HARRY CLEVER FLD OH	ASHRAE
Ohio	Union	91	5	2.2	Marion Ohio	Manual J	Marion Ohio	Manual J



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Ohio	Van Wert	91	4	2.1	Defiance Ohio	Manual J	Defiance Ohio	Manual J
Ohio	Vinton	92	6	1.9	Athens Ohio	Manual J	Athens Ohio	Manual J
Ohio	Warren	88	10	1.5	DAYTON WRIGHT BROTHE OH	ASHRAE	AIRBORNE AIRPARK OH	ASHRAE
Ohio	Washington	88	12	1.4	MID OHIO VALLEY RGN WV	ASHRAE	Parkersburg Mid-Ohio Valley Regional Airport West Virginia	Manual J
Ohio	Wayne	86	6	2.3	Wooster Ohio	Manual J	Wooster Ohio	Manual J
Ohio	Williams	86	7	2.3	HILLSDALE MUNICIPAL MI	ASHRAE	HILLSDALE MUNICIPAL MI	ASHRAE
Ohio	Wood	89	2	2.3	Bowling Green Ohio	Manual J	Bowling Green Ohio	Manual J
Ohio	Wyandot	91	5	2.2	Marion Ohio	Manual J	Marion Ohio	Manual J
<b>Oklahoma</b>								
Oklahoma	Adair	93	15	0.9	SMITH FLD AR	ASHRAE	Fayetteville Drake Field Arkansas	Manual J
Oklahoma	Alfalfa	99	13	0.8	Vance Air Force Base Oklahoma	Manual J	Vance Air Force Base Oklahoma	Manual J
Oklahoma	Atoka	97	19	0.6	McAlester Municipal Airport Oklahoma	Manual J	McAlester Municipal Airport Oklahoma	Manual J
Oklahoma	Beaver	98	12	1.2	LIBERAL MUNI KS	ASHRAE	LIBERAL MUNI KS	ASHRAE
Oklahoma	Beckham	99	19	0.7	CLINTON-SHERMAN OK	ASHRAE	Clinton-Sherman Airport Oklahoma	Manual J
Oklahoma	Blaine	99	13	0.8	Vance Air Force Base Oklahoma	Manual J	Vance Air Force Base Oklahoma	Manual J
Oklahoma	Bryan	98	20	0.5	Dennison N. Texas Regional Airport Texas	Manual J	Dennison N. Texas Regional Airport Texas	Manual J
Oklahoma	Caddo	98	14	0.6	Chickasha Oklahoma	Manual J	Chickasha Oklahoma	Manual J
Oklahoma	Canadian	97	17	0.7	OKLAHOMA CITY/WILEY OK	ASHRAE	Oklahoma City Will Rogers World Airport Oklahoma	Manual J
Oklahoma	Carter	99	17	0.5	ARDMORE DOWNTOWN EXE OK	ASHRAE	Ardmore Oklahoma	Manual J
Oklahoma	Cherokee	98	15	0.7	Muskogee Airport Oklahoma	Manual J	Muskogee Airport Oklahoma	Manual J
Oklahoma	Choctaw	97	25	0.5	Paris Cox Field Texas	Manual J	Paris Cox Field Texas	Manual J
Oklahoma	Cimarron	95	10	1.4	SPRINGFIELD COMANCHE CO	ASHRAE	SPRINGFIELD COMANCHE CO	ASHRAE
Oklahoma	Cleveland	99	13	0.7	NORMAN/MAX WESTHEIM OK	ASHRAE	Norman Oklahoma	Manual J
Oklahoma	Coal	97	14	0.6	Ada Oklahoma	Manual J	Ada Oklahoma	Manual J
Oklahoma	Comanche	100	19	0.6	LAWTON MUNICIPAL OK	ASHRAE	Fort Sill Oklahoma	Manual J
Oklahoma	Cotton	100	21	0.5	LAWTON MUNICIPAL OK	ASHRAE	Wichita Falls Municipal Airport Texas	Manual J
Oklahoma	Craig	97	16	0.8	Coffeyville Municipal Airport Kansas	Manual J	COFFEYVILLE MUNI KS	ASHRAE
Oklahoma	Creek	99	17	0.7	Tulsa Lloyd Jones Jr. Airport Oklahoma	Manual J	Tulsa International Airport Oklahoma	Manual J



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Oklahoma	Custer	99	19	0.7	CLINTON-SHERMAN OK	ASHRAE	Clinton-Sherman Airport Oklahoma	Manual J
Oklahoma	Delaware	93	16	0.9	SMITH FLD AR	ASHRAE	ROGERS MUNI CARTER F AR	ASHRAE
Oklahoma	Dewey	97	10	0.8	Woodward Oklahoma	Manual J	Woodward Oklahoma	Manual J
Oklahoma	Ellis	98	13	0.9	Gage Airport Oklahoma	Manual J	GAGE/SHATTUCK OK	ASHRAE
Oklahoma	Garfield	99	13	0.8	Vance Air Force Base Oklahoma	Manual J	Vance Air Force Base Oklahoma	Manual J
Oklahoma	Garvin	99	13	0.7	NORMAN/MAX WESTHEIM OK	ASHRAE	Norman Oklahoma	Manual J
Oklahoma	Grady	98	14	0.6	Chickasha Oklahoma	Manual J	Chickasha Oklahoma	Manual J
Oklahoma	Grant	99	13	0.8	Vance Air Force Base Oklahoma	Manual J	Vance Air Force Base Oklahoma	Manual J
Oklahoma	Greer	100	20	0.6	ALTUS AFB OK	ASHRAE	Altus Air Force Base Oklahoma	Manual J
Oklahoma	Harmon	99	21	0.6	Childress Municipal Airport Texas	Manual J	CHILDRESS MUNICIPAL TX	ASHRAE
Oklahoma	Harper	97	10	0.8	Woodward Oklahoma	Manual J	Woodward Oklahoma	Manual J
Oklahoma	Haskell	98	15	0.7	Muskogee Airport Oklahoma	Manual J	Muskogee Airport Oklahoma	Manual J
Oklahoma	Hughes	96	15	0.7	Seminole Oklahoma	Manual J	Seminole Oklahoma	Manual J
Oklahoma	Jackson	100	20	0.6	ALTUS AFB OK	ASHRAE	Altus Air Force Base Oklahoma	Manual J
Oklahoma	Jefferson	100	21	0.5	WICHITA FALLS/SHEPS TX	ASHRAE	Wichita Falls Municipal Airport Texas	Manual J
Oklahoma	Johnston	97	14	0.6	Ada Oklahoma	Manual J	Ada Oklahoma	Manual J
Oklahoma	Kay	98	15	0.8	Ponca City Municipal Airport Oklahoma	Manual J	Ponca City Municipal Airport Oklahoma	Manual J
Oklahoma	Kingfisher	99	13	0.8	Vance Air Force Base Oklahoma	Manual J	Vance Air Force Base Oklahoma	Manual J
Oklahoma	Kiowa	100	19	0.7	Hobart Municipal Airport Oklahoma	Manual J	HOBART MUNI OK	ASHRAE
Oklahoma	Latimer	97	19	0.6	McAlester Municipal Airport Oklahoma	Manual J	McAlester Municipal Airport Oklahoma	Manual J
Oklahoma	Le Flore	97	20	0.6	FORT SMITH MUNI AR	ASHRAE	Fort Smith Regional Airport Arkansas	Manual J
Oklahoma	Lincoln	99	18	0.7	STILLWATER RGNL OK	ASHRAE	Stillwater Regional Airport Oklahoma	Manual J
Oklahoma	Logan	99	19	0.6	GUTHRIE MUNI OK	ASHRAE	GUTHRIE MUNI OK	ASHRAE
Oklahoma	Love	99	17	0.5	ARDMORE DOWNTOWN EXE OK	ASHRAE	Ardmore Oklahoma	Manual J
Oklahoma	Major	99	13	0.8	Vance Air Force Base Oklahoma	Manual J	Vance Air Force Base Oklahoma	Manual J
Oklahoma	Marshall	98	20	0.5	Dennison N. Texas Regional Airport Texas	Manual J	Dennison N. Texas Regional Airport Texas	Manual J
Oklahoma	Mayes	98	17	0.7	Muskogee Airport Oklahoma	Manual J	Tulsa International Airport Oklahoma	Manual J
Oklahoma	McClain	99	13	0.7	NORMAN/MAX WESTHEIM OK	ASHRAE	Norman Oklahoma	Manual J
Oklahoma	McCurtain	96	25	0.5	J L HELMS SEVIER CO AR	ASHRAE	J L HELMS SEVIER CO AR	ASHRAE



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Oklahoma	McIntosh	98	15	0.7	Muskogee Airport Oklahoma	Manual J	Muskogee Airport Oklahoma	Manual J
Oklahoma	Murray	99	17	0.5	ARDMORE DOWNTOWN EXE OK	ASHRAE	Ardmore Oklahoma	Manual J
Oklahoma	Muskogee	98	15	0.7	Muskogee Airport Oklahoma	Manual J	Muskogee Airport Oklahoma	Manual J
Oklahoma	Noble	99	18	0.7	STILLWATER RGNL OK	ASHRAE	Stillwater Regional Airport Oklahoma	Manual J
Oklahoma	Nowata	97	16	0.8	Coffeyville Municipal Airport Kansas	Manual J	COFFEYVILLE MUNI KS	ASHRAE
Oklahoma	Okfuskee	96	15	0.7	Seminole Oklahoma	Manual J	Seminole Oklahoma	Manual J
Oklahoma	Oklahoma	97	17	0.7	OKLAHOMA CITY/WILEY OK	ASHRAE	Oklahoma City Will Rogers World Airport Oklahoma	Manual J
Oklahoma	Okmulgee	99	17	0.7	Tulsa Lloyd Jones Jr. Airport Oklahoma	Manual J	Tulsa International Airport Oklahoma	Manual J
Oklahoma	Osage	98	10	0.8	Bartlesville Oklahoma	Manual J	Bartlesville Oklahoma	Manual J
Oklahoma	Ottawa	94	12	0.9	Joplin Municipal Airport Missouri	Manual J	Joplin Municipal Airport Missouri	Manual J
Oklahoma	Pawnee	99	18	0.7	STILLWATER RGNL OK	ASHRAE	Stillwater Regional Airport Oklahoma	Manual J
Oklahoma	Payne	99	18	0.7	STILLWATER RGNL OK	ASHRAE	Stillwater Regional Airport Oklahoma	Manual J
Oklahoma	Pittsburg	97	19	0.6	McAlester Municipal Airport Oklahoma	Manual J	McAlester Municipal Airport Oklahoma	Manual J
Oklahoma	Pontotoc	97	14	0.6	Ada Oklahoma	Manual J	Ada Oklahoma	Manual J
Oklahoma	Pottawatomie	96	15	0.7	Seminole Oklahoma	Manual J	Seminole Oklahoma	Manual J
Oklahoma	Pushmataha	97	19	0.6	McAlester Municipal Airport Oklahoma	Manual J	McAlester Municipal Airport Oklahoma	Manual J
Oklahoma	Roger Mills	98	13	0.9	Gage Airport Oklahoma	Manual J	GAGE/SHATTUCK OK	ASHRAE
Oklahoma	Rogers	99	17	0.7	Tulsa Lloyd Jones Jr. Airport Oklahoma	Manual J	Tulsa International Airport Oklahoma	Manual J
Oklahoma	Seminole	96	15	0.7	Seminole Oklahoma	Manual J	Seminole Oklahoma	Manual J
Oklahoma	Sequoyah	97	20	0.6	FORT SMITH MUNI AR	ASHRAE	Fort Smith Regional Airport Arkansas	Manual J
Oklahoma	Stephens	100	14	0.6	LAWTON MUNICIPAL OK	ASHRAE	Chickasha Oklahoma	Manual J
Oklahoma	Texas	99	11	0.9	ELKHART MORTON CO KS	ASHRAE	ELKHART MORTON CO KS	ASHRAE
Oklahoma	Tillman	100	23	0.5	FREDERICK MUNI OK	ASHRAE	FREDERICK MUNI OK	ASHRAE
Oklahoma	Tulsa	99	17	0.7	Tulsa Lloyd Jones Jr. Airport Oklahoma	Manual J	Tulsa International Airport Oklahoma	Manual J
Oklahoma	Wagoner	98	15	0.7	Muskogee Airport Oklahoma	Manual J	Muskogee Airport Oklahoma	Manual J
Oklahoma	Washington	98	10	0.8	Bartlesville Oklahoma	Manual J	Bartlesville Oklahoma	Manual J
Oklahoma	Washita	99	19	0.7	CLINTON-SHERMAN OK	ASHRAE	Clinton-Sherman Airport Oklahoma	Manual J
Oklahoma	Woods	97	10	0.8	Woodward Oklahoma	Manual J	Woodward Oklahoma	Manual J
Oklahoma	Woodward	97	10	0.8	Woodward Oklahoma	Manual J	Woodward Oklahoma	Manual J



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<b>Oregon</b>								
Oregon	Baker	90	7	4.2	Baker Municipal Airport Oregon	Manual J	BAKER CITY MUNI OR	ASHRAE
Oregon	Benton	90	28	1.6	Corvallis Municipal Airport Oregon	Manual J	CORVALLIS MUNI OR	ASHRAE
Oregon	Clackamas	88	24	1.6	PORTLAND TROUTDALE OR	ASHRAE	Portland City Office Oregon	Manual J
Oregon	Clatsop	72	30	3.4	ASTORIA/CLATSOP OR	ASHRAE	Astoria Regional Airport Oregon	Manual J
Oregon	Columbia	88	27	2.2	SCAPPOOSE INDUSTRIAL OR	ASHRAE	SCAPPOOSE INDUSTRIAL OR	ASHRAE
Oregon	Coos	69	34	3.1	North Bend Municipal Airport Oregon	Manual J	NORTH BEND MUNI OR	ASHRAE
Oregon	Crook	90	4	4.9	ROBERTS FLD OR	ASHRAE	Bend Oregon	Manual J
Oregon	Curry	96	27	1.4	Idlewild California	Manual J - Micro	Elk Valley California	Manual J - Micro
Oregon	Deschutes	90	4	4.9	ROBERTS FLD OR	ASHRAE	Bend Oregon	Manual J
Oregon	Douglas	90	23	1.4	ROSEBURG RGNL OR	ASHRAE	Roseburg Airport Oregon	Manual J
Oregon	Gilliam	93	23	1.5	COLUMBIA GORGE RGNL OR	ASHRAE	COLUMBIA GORGE RGNL OR	ASHRAE
Oregon	Grant	90	5	4.5	BURNS MUNI (AMOS) OR	ASHRAE	BURNS MUNI (AMOS) OR	ASHRAE
Oregon	Harney	90	5	4.5	BURNS MUNI (AMOS) OR	ASHRAE	BURNS MUNI (AMOS) OR	ASHRAE
Oregon	Hood River	89	19	1.5	The Dalles Oregon	Manual J	The Dalles Oregon	Manual J
Oregon	Jackson	96	26	1.4	MEDFORD-JACKSON COU OR	ASHRAE	Medford Rogue Valley International Airport Oregon	Manual J
Oregon	Jefferson	90	4	4.9	ROBERTS FLD OR	ASHRAE	Bend Oregon	Manual J
Oregon	Josephine	96	24	1.9	Grants Pass Oregon	Manual J	Grants Pass Oregon	Manual J
Oregon	Klamath	88	12	3.7	KLAMATH FALLS OR	ASHRAE	KLAMATH FALLS OR	ASHRAE
Oregon	Lake	88	9	4.9	LAKE CO OR	ASHRAE	LAKE CO OR	ASHRAE
Oregon	Lane	88	26	2.1	Eugene Mahlon Sweet Airport Oregon	Manual J	Eugene Mahlon Sweet Airport Oregon	Manual J
Oregon	Lincoln	63	34	6.2	Newport State Beach Oregon	Manual J	Newport State Beach Oregon	Manual J
Oregon	Linn	89	22	1.6	Albany Oregon	Manual J	Albany Oregon	Manual J
Oregon	Malheur	95	16	1.9	ONTARIO MUNI OR	ASHRAE	ONTARIO MUNI OR	ASHRAE
Oregon	Marion	88	26	2.0	AURORA STATE OR	ASHRAE	Salem McNary Field Oregon	Manual J
Oregon	Morrow	95	11	1.4	HERMISTON MUNI OR	ASHRAE	Kennewick Washington	Manual J
Oregon	Multnomah	88	24	1.6	PORTLAND TROUTDALE OR	ASHRAE	Portland City Office Oregon	Manual J
Oregon	Polk	89	22	1.6	Albany Oregon	Manual J	Albany Oregon	Manual J



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Oregon	Sherman	89	19	1.5	The Dalles Oregon	Manual J	The Dalles Oregon	Manual J
Oregon	Tillamook	90	28	2.1	Mc Minnville Municipal Airport Oregon	Manual J	MC MINNVILLE MUNI OR	ASHRAE
Oregon	Umatilla	95	2	10.3	HERMISTON MUNI OR	ASHRAE	Meacham Oregon	Manual J
Oregon	Union	90	15	3.2	LA GRANDE UNION CO OR	ASHRAE	LA GRANDE UNION CO OR	ASHRAE
Oregon	Wallowa	95	18	1.7	LEWISTON NEZ PERCE ID	ASHRAE	Lewiston Nez Perce Co. Airport Idaho	Manual J
Oregon	Wasco	89	19	1.5	The Dalles Oregon	Manual J	The Dalles Oregon	Manual J
Oregon	Washington	88	27	2.1	PORLTAND/HILLSBORO OR	ASHRAE	PORLTAND/HILLSBORO OR	ASHRAE
Oregon	Wheeler	90	19	1.5	ROBERTS FLD OR	ASHRAE	The Dalles Oregon	Manual J
Oregon	Yamhill	90	28	2.1	Mc Minnville Municipal Airport Oregon	Manual J	MC MINNVILLE MUNI OR	ASHRAE

### Pennsylvania

Pennsylvania	Adams	90	12	1.7	Chambersburg Pennsylvania	Manual J	YORK PA	ASHRAE
Pennsylvania	Allegheny	88	9	1.8	ALLEGHENY CO PA	ASHRAE	Pittsburgh International Airport Pennsylvania	Manual J
Pennsylvania	Armstrong	86	9	2.0	INDIANA CO PA	ASHRAE	INDIANA CO PA	ASHRAE
Pennsylvania	Beaver	88	9	1.8	New Castle Pennsylvania	Manual J	Pittsburgh International Airport Pennsylvania	Manual J
Pennsylvania	Bedford	86	10	2.1	Altoona Blair Co. Airport Pennsylvania	Manual J	Altoona Blair Co. Airport Pennsylvania	Manual J
Pennsylvania	Berks	90	13	1.6	Reading Spaatz Field Pennsylvania	Manual J	Reading Spaatz Field Pennsylvania	Manual J
Pennsylvania	Blair	86	10	2.1	Altoona Blair Co. Airport Pennsylvania	Manual J	Altoona Blair Co. Airport Pennsylvania	Manual J
Pennsylvania	Bradford	87	3	2.8	Elmira Corning Regional Airport New York	Manual J	Elmira Corning Regional Airport New York	Manual J
Pennsylvania	Bucks	89	16	1.5	DOYLESTOWN PA	ASHRAE	DOYLESTOWN PA	ASHRAE
Pennsylvania	Butler	85	9	2.3	BUTLER CO SCHOLTER F PA	ASHRAE	BUTLER CO SCHOLTER F PA	ASHRAE
Pennsylvania	Cambria	82	7	2.6	Johnstown Cambria Co. Airport Pennsylvania	Manual J	JOHN MURTHA JOHNSTO PA	ASHRAE
Pennsylvania	Cameron	84	9	2.6	CLEARFIELD LAWRENCE PA	ASHRAE	CLEARFIELD LAWRENCE PA	ASHRAE
Pennsylvania	Carbon	88	12	1.8	ALLENNTOWN/A.-BETHLE PA	ASHRAE	Allentown Lehigh Valley International Airport Pennsylvania	Manual J
Pennsylvania	Centre	87	7	2.4	State College Pennsylvania	Manual J	State College Pennsylvania	Manual J
Pennsylvania	Chester	89	13	1.7	West Chester Pennsylvania	Manual J	West Chester Pennsylvania	Manual J
Pennsylvania	Clarion	82	6	2.8	VENANGO RGNL PA	ASHRAE	Franklin Pennsylvania	Manual J
Pennsylvania	Clearfield	84	9	2.6	CLEARFIELD LAWRENCE PA	ASHRAE	CLEARFIELD LAWRENCE PA	ASHRAE



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Pennsylvania	Clinton	87	7	2.4	State College Pennsylvania	Manual J	State College Pennsylvania	Manual J
Pennsylvania	Columbia	89	7	2.0	Sunbury Pennsylvania	Manual J	Sunbury Pennsylvania	Manual J
Pennsylvania	Crawford	85	4	2.9	Meadville Pennsylvania	Manual J	Meadville Pennsylvania	Manual J
Pennsylvania	Cumberland	90	8	1.8	Chambersburg Pennsylvania	Manual J	Chambersburg Pennsylvania	Manual J
Pennsylvania	Dauphin	90	15	1.4	Middletown Harrisburg International Airport Pennsylvania	Manual J	Middletown Harrisburg International Airport Pennsylvania	Manual J
Pennsylvania	Delaware	91	18	1.1	PHILADELPHIA INTL PA	ASHRAE	PHILADELPHIA INTL PA	ASHRAE
Pennsylvania	Elk	83	5	2.8	Dubois Airport Pennsylvania	Manual J	Dubois Airport Pennsylvania	Manual J
Pennsylvania	Erie	84	10	2.2	ERIE INTL AIRPORT PA	ASHRAE	Erie International Airport Pennsylvania	Manual J
Pennsylvania	Fayette	88	9	2.0	Uniontown Pennsylvania	Manual J	Uniontown Pennsylvania	Manual J
Pennsylvania	Forest	86	4	2.8	Warren Pennsylvania	Manual J	Warren Pennsylvania	Manual J
Pennsylvania	Franklin	90	8	1.8	Chambersburg Pennsylvania	Manual J	Chambersburg Pennsylvania	Manual J
Pennsylvania	Fulton	86	10	2.1	Altoona Blair Co. Airport Pennsylvania	Manual J	Altoona Blair Co. Airport Pennsylvania	Manual J
Pennsylvania	Greene	86	9	2.2	WASHINGTON CO PA	ASHRAE	WASHINGTON CO PA	ASHRAE
Pennsylvania	Huntingdon	86	10	2.1	Altoona Blair Co. Airport Pennsylvania	Manual J	Altoona Blair Co. Airport Pennsylvania	Manual J
Pennsylvania	Indiana	86	9	2.0	INDIANA CO PA	ASHRAE	INDIANA CO PA	ASHRAE
Pennsylvania	Jefferson	83	5	2.8	Dubois Airport Pennsylvania	Manual J	Dubois Airport Pennsylvania	Manual J
Pennsylvania	Juniata	87	7	2.4	State College Pennsylvania	Manual J	State College Pennsylvania	Manual J
Pennsylvania	Lackawanna	86	8	2.2	Scranton Pennsylvania	Manual J	Scranton Pennsylvania	Manual J
Pennsylvania	Lancaster	90	8	1.7	Lancaster Pennsylvania	Manual J	Lancaster Pennsylvania	Manual J
Pennsylvania	Lawrence	88	7	2.3	New Castle Pennsylvania	Manual J	New Castle Pennsylvania	Manual J
Pennsylvania	Lebanon	90	15	1.4	Middletown Harrisburg International Airport Pennsylvania	Manual J	Middletown Harrisburg International Airport Pennsylvania	Manual J
Pennsylvania	Lehigh	88	12	1.8	ALLENTOWN/A.-BETHLE PA	ASHRAE	Allentown Lehigh Valley International Airport Pennsylvania	Manual J
Pennsylvania	Luzerne	86	8	2.2	WILKES-BARRE-SCRANT PA	ASHRAE	Wilkes-Barre / Scranton International Airport Pennsylvania	Manual J
Pennsylvania	Lycoming	88	9	2.0	WILLIAMSPORT/LYCOMI PA	ASHRAE	Williamsport Regional Airport Pennsylvania	Manual J
Pennsylvania	McKean	81	2	4.1	BRADFORD RGNL PA	ASHRAE	Bradford Regional Airport Pennsylvania	Manual J
Pennsylvania	Mercer	88	7	2.3	New Castle Pennsylvania	Manual J	New Castle Pennsylvania	Manual J
Pennsylvania	Mifflin	87	7	2.4	State College Pennsylvania	Manual J	State College Pennsylvania	Manual J
Pennsylvania	Monroe	82	5	3.2	POCONO MOUNTAINS MUN PA	ASHRAE	POCONO MOUNTAINS MUN PA	ASHRAE



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Pennsylvania	Montgomery	90	14	1.4	WILLOW GROVE NAS JR PA	ASHRAE	Willow Grove Naval Air Station Pennsylvania	Manual J
Pennsylvania	Montour	89	7	2.0	Sunbury Pennsylvania	Manual J	Sunbury Pennsylvania	Manual J
Pennsylvania	Northampton	89	6	1.8	Phillipsburg New Jersey	Manual J	Phillipsburg New Jersey	Manual J
Pennsylvania	Northumberland	89	7	2.0	Sunbury Pennsylvania	Manual J	Sunbury Pennsylvania	Manual J
Pennsylvania	Perry	90	15	1.4	Middletown Harrisburg International Airport Pennsylvania	Manual J	Middletown Harrisburg International Airport Pennsylvania	Manual J
Pennsylvania	Philadelphia	91	16	1.3	Philadelphia International Airport Pennsylvania	Manual J	Philadelphia Northeast Airport Pennsylvania	Manual J
Pennsylvania	Pike	82	5	3.2	POCONO MOUNTAINS MUN PA	ASHRAE	POCONO MOUNTAINS MUN PA	ASHRAE
Pennsylvania	Potter	81	3	3.4	WELLSVILLE MUNI NY	ASHRAE	WELLSVILLE MUNI NY	ASHRAE
Pennsylvania	Schuylkill	90	13	1.6	Reading Spaatz Field Pennsylvania	Manual J	Reading Spaatz Field Pennsylvania	Manual J
Pennsylvania	Snyder	89	7	2.0	Sunbury Pennsylvania	Manual J	Sunbury Pennsylvania	Manual J
Pennsylvania	Somerset	82	7	2.6	Johnstown Cambria Co. Airport Pennsylvania	Manual J	JOHN MURTHA JOHNSTO PA	ASHRAE
Pennsylvania	Sullivan	88	9	2.0	WILLIAMSPORT/LYCOMI PA	ASHRAE	Williamsport Regional Airport Pennsylvania	Manual J
Pennsylvania	Susquehanna	83	4	3.1	Binghamton Edwin A-Link Field New York	Manual J	Binghamton Edwin A-Link Field New York	Manual J
Pennsylvania	Tioga	87	3	2.8	Elmira Corning Regional Airport New York	Manual J	Elmira Corning Regional Airport New York	Manual J
Pennsylvania	Union	89	7	2.0	Sunbury Pennsylvania	Manual J	Sunbury Pennsylvania	Manual J
Pennsylvania	Venango	82	6	2.8	VENANGO RGNL PA	ASHRAE	Franklin Pennsylvania	Manual J
Pennsylvania	Warren	86	4	2.8	Warren Pennsylvania	Manual J	Warren Pennsylvania	Manual J
Pennsylvania	Washington	86	9	2.2	WASHINGTON CO PA	ASHRAE	WASHINGTON CO PA	ASHRAE
Pennsylvania	Wayne	86	8	2.2	Scranton Pennsylvania	Manual J	Scranton Pennsylvania	Manual J
Pennsylvania	Westmoreland	88	9	2.0	ALLEGHENY CO PA	ASHRAE	Uniontown Pennsylvania	Manual J
Pennsylvania	Wyoming	86	8	2.2	WILKES-BARRE-SCRANT PA	ASHRAE	Wilkes-Barre / Scranton International Airport Pennsylvania	Manual J
Pennsylvania	York	91	12	1.7	York Pennsylvania	Manual J	YORK PA	ASHRAE
<b>Rhode Island</b>								
Rhode Island	Bristol	87	9	1.9	Providence T. F. Green State Airport Rhode Island	Manual J	Fall River Massachusetts	Manual J
Rhode Island	Kent	87	12	1.9	Providence T. F. Green State Airport Rhode Island	Manual J	Providence T. F. Green State Airport Rhode Island	Manual J
Rhode Island	Newport	85	9	2.2	Newport Rhode Island	Manual J	Newport Rhode Island	Manual J



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Rhode Island	Providence	84	9	2.6	NORTH CENTRAL STATE CT	ASHRAE	Pawtucket Rhode Island	Manual J
Rhode Island	Washington	80	16	2.1	BLOCK ISLAND RI	ASHRAE	Block Island State Airport Rhode Island	Manual J
<b>South Carolina</b>								
South Carolina	Abbeville	93	22	0.7	Greenwood South Carolina	Manual J	Greenwood South Carolina	Manual J
South Carolina	Aiken	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
South Carolina	Allendale	95	24	0.5	Orangeburg South Carolina	Manual J	Orangeburg South Carolina	Manual J
South Carolina	Anderson	93	26	0.6	Anderson County Airport South Carolina	Manual J	ANDERSON RGNL SC	ASHRAE
South Carolina	Bamberg	95	24	0.5	Orangeburg South Carolina	Manual J	Orangeburg South Carolina	Manual J
South Carolina	Barnwell	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
South Carolina	Beaufort	93	31	0.3	Beaufort Marine Corps South Carolina	Manual J	Beaufort Marine Corps South Carolina	Manual J
South Carolina	Berkeley	92	28	0.3	CHARLESTON MUNI SC	ASHRAE	Charleston City Office South Carolina	Manual J
South Carolina	Calhoun	95	24	0.5	Orangeburg South Carolina	Manual J	Orangeburg South Carolina	Manual J
South Carolina	Charleston	92	28	0.3	CHARLESTON MUNI SC	ASHRAE	Charleston City Office South Carolina	Manual J
South Carolina	Cherokee	92	25	0.6	GASTONIA MUNI NC	ASHRAE	GASTONIA MUNI NC	ASHRAE
South Carolina	Chester	94	23	0.6	Rock Hill South Carolina	Manual J	Rock Hill South Carolina	Manual J
South Carolina	Chesterfield	92	21	0.8	Richmond International Airport North Carolina	Manual J	Richmond International Airport North Carolina	Manual J
South Carolina	Clarendon	93	27	0.4	SHAW AFB/SUMTER SC	ASHRAE	SHAW AFB/SUMTER SC	ASHRAE
South Carolina	Colleton	93	31	0.3	Beaufort Marine Corps South Carolina	Manual J	Beaufort Marine Corps South Carolina	Manual J
South Carolina	Darlington	93	27	0.4	FLORENCE RGNL SC	ASHRAE	Florence Regional Airport South Carolina	Manual J
South Carolina	Dillon	93	25	0.5	MAXTON NC	ASHRAE	MAXTON NC	ASHRAE
South Carolina	Dorchester	92	28	0.3	CHARLESTON MUNI SC	ASHRAE	Charleston City Office South Carolina	Manual J
South Carolina	Edgefield	95	26	0.4	Augusta Bush Field Georgia	Manual J	Augusta Bush Field Georgia	Manual J
South Carolina	Fairfield	93	28	0.4	COLUMBIA OWENS APT SC	ASHRAE	COLUMBIA OWENS APT SC	ASHRAE
South Carolina	Florence	93	27	0.4	FLORENCE RGNL SC	ASHRAE	Florence Regional Airport South Carolina	Manual J
South Carolina	Georgetown	90	26	0.4	Georgetown South Carolina	Manual J	Georgetown South Carolina	Manual J
South Carolina	Greenville	92	22	0.6	GREENVILLE/GREENVIL SC	ASHRAE	Spartanburg Airport South Carolina	Manual J
South Carolina	Greenwood	93	22	0.7	Greenwood South Carolina	Manual J	Greenwood South Carolina	Manual J
South Carolina	Hampton	93	31	0.3	Beaufort Marine Corps South Carolina	Manual J	Beaufort Marine Corps South Carolina	Manual J



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South Carolina	Horry	90	28	0.4	MYRTLE BEACH CIV SC	ASHRAE	Myrtle Beach Air Force Base South Carolina	Manual J
South Carolina	Jasper	93	31	0.3	Beaufort Marine Corps South Carolina	Manual J	Beaufort Marine Corps South Carolina	Manual J
South Carolina	Kershaw	93	27	0.4	SHAW AFB/SUMTER SC	ASHRAE	SHAW AFB/SUMTER SC	ASHRAE
South Carolina	Lancaster	91	25	0.6	MONROE AIRPORT NC	ASHRAE	MONROE AIRPORT NC	ASHRAE
South Carolina	Laurens	93	22	0.7	Greenwood South Carolina	Manual J	Greenwood South Carolina	Manual J
South Carolina	Lee	93	27	0.4	SHAW AFB/SUMTER SC	ASHRAE	SHAW AFB/SUMTER SC	ASHRAE
South Carolina	Lexington	95	26	0.5	Columbia Metro Airport South Carolina	Manual J	Columbia Metro Airport South Carolina	Manual J
South Carolina	Marion	93	27	0.4	FLORENCE RGNL SC	ASHRAE	Florence Regional Airport South Carolina	Manual J
South Carolina	Marlboro	92	21	0.8	Richmond International Airport North Carolina	Manual J	Richmond International Airport North Carolina	Manual J
South Carolina	McCormick	93	22	0.7	Greenwood South Carolina	Manual J	Greenwood South Carolina	Manual J
South Carolina	Newberry	93	22	0.7	Greenwood South Carolina	Manual J	Greenwood South Carolina	Manual J
South Carolina	Oconee	91	28	0.5	OCONEE CO RGNL SC	ASHRAE	OCONEE CO RGNL SC	ASHRAE
South Carolina	Orangeburg	95	24	0.5	Orangeburg South Carolina	Manual J	Orangeburg South Carolina	Manual J
South Carolina	Pickens	91	28	0.5	OCONEE CO RGNL SC	ASHRAE	OCONEE CO RGNL SC	ASHRAE
South Carolina	Richland	93	28	0.4	COLUMBIA OWENS APT SC	ASHRAE	COLUMBIA OWENS APT SC	ASHRAE
South Carolina	Saluda	93	22	0.7	Greenwood South Carolina	Manual J	Greenwood South Carolina	Manual J
South Carolina	Spartanburg	92	22	0.6	GREENVILLE/GREENVIL SC	ASHRAE	Spartanburg Airport South Carolina	Manual J
South Carolina	Sumter	93	27	0.4	SHAW AFB/SUMTER SC	ASHRAE	SHAW AFB/SUMTER SC	ASHRAE
South Carolina	Union	94	22	0.6	Rock Hill South Carolina	Manual J	Spartanburg Airport South Carolina	Manual J
South Carolina	Williamsburg	90	26	0.4	Georgetown South Carolina	Manual J	Georgetown South Carolina	Manual J
South Carolina	York	94	23	0.6	Rock Hill South Carolina	Manual J	Rock Hill South Carolina	Manual J

### South Dakota

South Dakota	Aurora	90	-6	2.5	MITCHELL MUNI SD	ASHRAE	MITCHELL MUNI SD	ASHRAE
South Dakota	Beadle	91	-10	2.7	Huron Regional Airport South Dakota	Manual J	Huron Regional Airport South Dakota	Manual J
South Dakota	Bennett	95	-2	2.6	PINE RIDGE SD	ASHRAE	PINE RIDGE SD	ASHRAE
South Dakota	Bon Homme	90	-3	2.3	Yankton Chan Gurney Municipal Airport South Dakota	Manual J	CHAN GURNEY MUNI SD	ASHRAE
South Dakota	Brookings	86	-10	3.6	Brookings South Dakota	Manual J	Brookings South Dakota	Manual J
South Dakota	Brown	89	-12	3.3	Aberdeen Regional Airport South Dakota	Manual J	ABERDEEN REGIONAL SD	ASHRAE



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South Dakota	Brule	97	-5	2.4	CHAMBERLAIN (AMOS) SD	ASHRAE	Chamberlain South Dakota	Manual J
South Dakota	Buffalo	97	-5	2.4	CHAMBERLAIN (AMOS) SD	ASHRAE	Chamberlain South Dakota	Manual J
South Dakota	Butte	92	-9	3.2	Buffalo South Dakota	Manual J	Buffalo South Dakota	Manual J
South Dakota	Campbell	91	-10	2.9	Mobridge South Dakota	Manual J	Mobridge South Dakota	Manual J
South Dakota	Charles Mix	91	-2	2.3	O'Neill Municipal Airport Nebraska	Manual J	O'Neill Municipal Airport Nebraska	Manual J
South Dakota	Clark	87	-12	3.6	Watertown Municipal Airport South Dakota	Manual J	Watertown Municipal Airport South Dakota	Manual J
South Dakota	Clay	90	-3	2.3	Yankton Chan Gurney Municipal Airport South Dakota	Manual J	CHAN GURNEY MUNI SD	ASHRAE
South Dakota	Codington	87	-12	3.6	Watertown Municipal Airport South Dakota	Manual J	Watertown Municipal Airport South Dakota	Manual J
South Dakota	Corson	91	-10	2.9	Mobridge South Dakota	Manual J	Mobridge South Dakota	Manual J
South Dakota	Custer	84	-2	5.6	Custer South Dakota	Manual J	Custer South Dakota	Manual J
South Dakota	Davison	90	-6	2.5	MITCHELL MUNI SD	ASHRAE	MITCHELL MUNI SD	ASHRAE
South Dakota	Day	87	-12	3.6	Watertown Municipal Airport South Dakota	Manual J	Watertown Municipal Airport South Dakota	Manual J
South Dakota	Deuel	86	-10	3.6	Brookings South Dakota	Manual J	Brookings South Dakota	Manual J
South Dakota	Dewey	91	-10	2.9	Mobridge South Dakota	Manual J	Mobridge South Dakota	Manual J
South Dakota	Douglas	90	-6	2.5	MITCHELL MUNI SD	ASHRAE	MITCHELL MUNI SD	ASHRAE
South Dakota	Edmunds	89	-12	3.3	Aberdeen Regional Airport South Dakota	Manual J	ABERDEEN REGIONAL SD	ASHRAE
South Dakota	Fall River	84	-2	5.6	Custer South Dakota	Manual J	Custer South Dakota	Manual J
South Dakota	Faulk	89	-12	3.3	Aberdeen Regional Airport South Dakota	Manual J	ABERDEEN REGIONAL SD	ASHRAE
South Dakota	Grant	88	-8	2.8	ORTONVILLE MUNI MART MN	ASHRAE	ORTONVILLE MUNI MART MN	ASHRAE
South Dakota	Gregory	97	-5	2.4	CHAMBERLAIN (AMOS) SD	ASHRAE	Chamberlain South Dakota	Manual J
South Dakota	Haakon	97	-3	2.3	PHILIP SD	ASHRAE	PHILIP SD	ASHRAE
South Dakota	Hamlin	87	-12	3.6	Watertown Municipal Airport South Dakota	Manual J	Watertown Municipal Airport South Dakota	Manual J
South Dakota	Hand	91	-10	2.7	Huron Regional Airport South Dakota	Manual J	Huron Regional Airport South Dakota	Manual J
South Dakota	Hanson	90	-6	2.5	MITCHELL MUNI SD	ASHRAE	MITCHELL MUNI SD	ASHRAE
South Dakota	Harding	92	-9	3.2	Buffalo South Dakota	Manual J	Buffalo South Dakota	Manual J
South Dakota	Hughes	95	-6	2.3	Pierre Municipal Airport South Dakota	Manual J	Pierre Municipal Airport South Dakota	Manual J
South Dakota	Hutchinson	90	-6	2.5	MITCHELL MUNI SD	ASHRAE	MITCHELL MUNI SD	ASHRAE
South Dakota	Hyde	97	-5	2.4	CHAMBERLAIN (AMOS) SD	ASHRAE	Chamberlain South Dakota	Manual J



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South Dakota	Jackson	97	-3	2.3	PHILIP SD	ASHRAE	PHILIP SD	ASHRAE
South Dakota	Jerauld	91	-10	2.7	Huron Regional Airport South Dakota	Manual J	Huron Regional Airport South Dakota	Manual J
South Dakota	Jones	95	-6	2.3	Pierre Municipal Airport South Dakota	Manual J	Pierre Municipal Airport South Dakota	Manual J
South Dakota	Kingsbury	87	-12	3.6	Watertown Municipal Airport South Dakota	Manual J	Watertown Municipal Airport South Dakota	Manual J
South Dakota	Lake	86	-10	3.6	Brookings South Dakota	Manual J	Brookings South Dakota	Manual J
South Dakota	Lawrence	84	-2	5.6	Custer South Dakota	Manual J	Custer South Dakota	Manual J
South Dakota	Lincoln	89	-8	2.7	Sioux Falls Foss Field South Dakota	Manual J	Sioux Falls Foss Field South Dakota	Manual J
South Dakota	Lyman	93	0	2.0	WINNER SD	ASHRAE	WINNER SD	ASHRAE
South Dakota	Marshall	89	-14	3.6	Lidgerwood North Dakota	Manual J	Lidgerwood North Dakota	Manual J
South Dakota	McCook	89	-8	2.7	Sioux Falls Foss Field South Dakota	Manual J	Sioux Falls Foss Field South Dakota	Manual J
South Dakota	McPherson	89	-12	3.3	Aberdeen Regional Airport South Dakota	Manual J	ABERDEEN REGIONAL SD	ASHRAE
South Dakota	Meade	92	-4	2.7	Ellsworth Air Force Base South Dakota	Manual J	Ellsworth Air Force Base South Dakota	Manual J
South Dakota	Mellette	94	-6	2.5	Valentine Miller Field Nebraska	Manual J	Valentine Miller Field Nebraska	Manual J
South Dakota	Miner	90	-6	2.5	MITCHELL MUNI SD	ASHRAE	MITCHELL MUNI SD	ASHRAE
South Dakota	Minnehaha	89	-8	2.7	Sioux Falls Foss Field South Dakota	Manual J	Sioux Falls Foss Field South Dakota	Manual J
South Dakota	Moody	86	-10	3.6	Brookings South Dakota	Manual J	Brookings South Dakota	Manual J
South Dakota	Pennington	93	-5	2.7	Rapid City Regional Airport South Dakota	Manual J	Rapid City Regional Airport South Dakota	Manual J
South Dakota	Perkins	97	-13	2.7	LEMMON SD	ASHRAE	LEMMON SD	ASHRAE
South Dakota	Potter	91	-10	2.9	Mobridge South Dakota	Manual J	Mobridge South Dakota	Manual J
South Dakota	Roberts	88	-9	3.3	SISSETON MUNI ARPT SD	ASHRAE	SISSETON MUNI ARPT SD	ASHRAE
South Dakota	Sanborn	90	-6	2.5	MITCHELL MUNI SD	ASHRAE	MITCHELL MUNI SD	ASHRAE
South Dakota	Shannon	95	-2	2.6	PINE RIDGE SD	ASHRAE	PINE RIDGE SD	ASHRAE
South Dakota	Spink	89	-12	3.3	Aberdeen Regional Airport South Dakota	Manual J	ABERDEEN REGIONAL SD	ASHRAE
South Dakota	Stanley	95	-6	2.3	Pierre Municipal Airport South Dakota	Manual J	Pierre Municipal Airport South Dakota	Manual J
South Dakota	Sully	95	-6	2.3	Pierre Municipal Airport South Dakota	Manual J	Pierre Municipal Airport South Dakota	Manual J
South Dakota	Todd	94	-6	2.5	Valentine Miller Field Nebraska	Manual J	Valentine Miller Field Nebraska	Manual J
South Dakota	Tripp	93	0	2.0	WINNER SD	ASHRAE	WINNER SD	ASHRAE
South Dakota	Turner	90	-3	2.3	Yankton Chan Gurney Municipal Airport South Dakota	Manual J	CHAN GURNEY MUNI SD	ASHRAE
South Dakota	Union	90	-2	2.1	LE MARS MUNI IA	ASHRAE	LE MARS MUNI IA	ASHRAE



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South Dakota	Walworth	91	-10	2.9	Mobridge South Dakota	Manual J	Mobridge South Dakota	Manual J
South Dakota	Yankton	90	-3	2.3	Yankton Chan Gurney Municipal Airport South Dakota	Manual J	CHAN GURNEY MUNI SD	ASHRAE
South Dakota	Ziebach	97	-3	2.3	PHILIP SD	ASHRAE	PHILIP SD	ASHRAE
<b>Tennessee</b>								
Tennessee	Anderson	90	21	0.8	OAK RIDGE TN	ASHRAE	OAK RIDGE TN	ASHRAE
Tennessee	Bedford	93	13	0.9	Tullahoma Tennessee	Manual J	Tullahoma Tennessee	Manual J
Tennessee	Benton	93	15	1.0	Hopkinsville Campbell Air Force Base Kentucky	Manual J	Hopkinsville Campbell Air Force Base Kentucky	Manual J
Tennessee	Bledsoe	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Blount	91	20	0.8	KNOXVILLE MUNICIPAL TN	ASHRAE	Knoxville McGhee Tyson Airport Tennessee	Manual J
Tennessee	Bradley	93	22	0.7	CHATTANOOGA/LOVELL TN	ASHRAE	Chattanooga Lovell Field Airport Tennessee	Manual J
Tennessee	Campbell	90	21	0.8	OAK RIDGE TN	ASHRAE	OAK RIDGE TN	ASHRAE
Tennessee	Cannon	94	14	1.0	Murfreesboro Tennessee	Manual J	Murfreesboro Tennessee	Manual J
Tennessee	Carroll	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Carter	88	17	1.1	TRI CITIES RGNL TN	ASHRAE	Bristol Tri-City Airport Tennessee	Manual J
Tennessee	Cheatham	93	12	1.0	Clarksville Tennessee	Manual J	Clarksville Tennessee	Manual J
Tennessee	Chester	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Claiborne	92	9	1.2	Corbin Airport Kentucky	Manual J	Corbin Airport Kentucky	Manual J
Tennessee	Clay	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Cocke	90	16	1.5	Greenville Tennessee	Manual J	Greenville Tennessee	Manual J
Tennessee	Coffee	93	13	0.9	Tullahoma Tennessee	Manual J	Tullahoma Tennessee	Manual J
Tennessee	Crockett	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Cumberland	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Davidson	92	18	0.7	NASHVILLE/METROPOLI TN	ASHRAE	Nashville International Airport Tennessee	Manual J
Tennessee	Decatur	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	DeKalb	94	14	1.0	Murfreesboro Tennessee	Manual J	Murfreesboro Tennessee	Manual J
Tennessee	Dickson	93	12	1.0	Clarksville Tennessee	Manual J	Clarksville Tennessee	Manual J



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Tennessee	Dyer	93	19	0.7	DYERSBURG MUNI TN	ASHRAE	Dyersburg Municipal Airport Tennessee	Manual J
Tennessee	Fayette	95	20	0.6	MILLINGTON MUNI ARP TN	ASHRAE	Millington Municipal Airport Tennessee	Manual J
Tennessee	Fentress	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Franklin	93	13	0.9	Tullahoma Tennessee	Manual J	Tullahoma Tennessee	Manual J
Tennessee	Gibson	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Giles	94	15	1.0	Columbia Tennessee	Manual J	Columbia Tennessee	Manual J
Tennessee	Grainger	91	20	0.8	KNOXVILLE MUNICIPAL TN	ASHRAE	Knoxville McGhee Tyson Airport Tennessee	Manual J
Tennessee	Greene	90	16	1.5	Greenville Tennessee	Manual J	Greenville Tennessee	Manual J
Tennessee	Grundy	93	13	0.9	Tullahoma Tennessee	Manual J	Tullahoma Tennessee	Manual J
Tennessee	Hamblen	90	16	1.5	Greenville Tennessee	Manual J	Greenville Tennessee	Manual J
Tennessee	Hamilton	93	22	0.7	CHATTANOOGA/LOVELL TN	ASHRAE	Chattanooga Lovell Field Airport Tennessee	Manual J
Tennessee	Hancock	90	16	1.5	Greenville Tennessee	Manual J	Greenville Tennessee	Manual J
Tennessee	Hardeman	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Hardin	94	21	0.6	Florence Airport Alabama	Manual J	Florence Airport Alabama	Manual J
Tennessee	Hawkins	90	16	1.5	Greenville Tennessee	Manual J	Greenville Tennessee	Manual J
Tennessee	Haywood	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Henderson	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Henry	92	15	0.9	PADUCAH/BARKLEY KY	ASHRAE	Paducah Barkley Regional Airport Kentucky	Manual J
Tennessee	Hickman	94	15	1.0	Columbia Tennessee	Manual J	Columbia Tennessee	Manual J
Tennessee	Houston	93	12	1.0	Clarksville Tennessee	Manual J	Clarksville Tennessee	Manual J
Tennessee	Humphreys	93	12	1.0	Clarksville Tennessee	Manual J	Clarksville Tennessee	Manual J
Tennessee	Jackson	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Jefferson	91	20	0.8	KNOXVILLE MUNICIPAL TN	ASHRAE	Knoxville McGhee Tyson Airport Tennessee	Manual J
Tennessee	Johnson	88	18	1.1	VIRGINIA HIGHLANDS VA	ASHRAE	VIRGINIA HIGHLANDS VA	ASHRAE
Tennessee	Knox	91	20	0.8	KNOXVILLE MUNICIPAL TN	ASHRAE	Knoxville McGhee Tyson Airport Tennessee	Manual J
Tennessee	Lake	93	19	0.7	DYERSBURG MUNI TN	ASHRAE	Dyersburg Municipal Airport Tennessee	Manual J
Tennessee	Lauderdale	93	19	0.7	DYERSBURG MUNI TN	ASHRAE	Dyersburg Municipal Airport Tennessee	Manual J



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Tennessee	Lawrence	94	21	0.6	Florence Airport Alabama	Manual J	Florence Airport Alabama	Manual J
Tennessee	Lewis	94	15	1.0	Columbia Tennessee	Manual J	Columbia Tennessee	Manual J
Tennessee	Lincoln	93	13	0.9	Tullahoma Tennessee	Manual J	Tullahoma Tennessee	Manual J
Tennessee	Loudon	90	21	0.8	OAK RIDGE TN	ASHRAE	OAK RIDGE TN	ASHRAE
Tennessee	Macon	91	15	1.0	BOWLING GREEN WARRE KY	ASHRAE	Bowling Green Warren Co. Airport Kentucky	Manual J
Tennessee	Madison	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Marion	93	22	0.7	CHATTANOOGA/LOVELL TN	ASHRAE	Chattanooga Lovell Field Airport Tennessee	Manual J
Tennessee	Marshall	94	15	1.0	Columbia Tennessee	Manual J	Columbia Tennessee	Manual J
Tennessee	Maury	94	15	1.0	Columbia Tennessee	Manual J	Columbia Tennessee	Manual J
Tennessee	McMinn	92	18	1.0	Athens Tennessee	Manual J	Athens Tennessee	Manual J
Tennessee	McNairy	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	Meigs	92	18	1.0	Athens Tennessee	Manual J	Athens Tennessee	Manual J
Tennessee	Monroe	92	18	1.0	Athens Tennessee	Manual J	Athens Tennessee	Manual J
Tennessee	Montgomery	93	12	1.0	Clarksville Tennessee	Manual J	Clarksville Tennessee	Manual J
Tennessee	Moore	93	13	0.9	Tullahoma Tennessee	Manual J	Tullahoma Tennessee	Manual J
Tennessee	Morgan	90	21	0.8	OAK RIDGE TN	ASHRAE	OAK RIDGE TN	ASHRAE
Tennessee	Obion	93	19	0.7	DYERSBURG MUNI TN	ASHRAE	Dyersburg Municipal Airport Tennessee	Manual J
Tennessee	Overton	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Perry	94	15	1.0	Columbia Tennessee	Manual J	Columbia Tennessee	Manual J
Tennessee	Pickett	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Polk	92	18	1.0	Athens Tennessee	Manual J	Athens Tennessee	Manual J
Tennessee	Putnam	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Rhea	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Roane	90	21	0.8	OAK RIDGE TN	ASHRAE	OAK RIDGE TN	ASHRAE
Tennessee	Robertson	92	18	0.7	NASHVILLE/METROPOLI TN	ASHRAE	Nashville International Airport Tennessee	Manual J
Tennessee	Rutherford	94	14	1.0	Murfreesboro Tennessee	Manual J	Murfreesboro Tennessee	Manual J
Tennessee	Scott	90	21	0.8	OAK RIDGE TN	ASHRAE	OAK RIDGE TN	ASHRAE



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Tennessee	Sequatchie	93	22	0.7	CHATTANOOGA/LOVELL TN	ASHRAE	Chattanooga Lovell Field Airport Tennessee	Manual J
Tennessee	Sevier	91	20	0.8	KNOXVILLE MUNICIPAL TN	ASHRAE	Knoxville McGhee Tyson Airport Tennessee	Manual J
Tennessee	Shelby	95	20	0.6	MILLINGTON MUNI ARP TN	ASHRAE	Millington Municipal Airport Tennessee	Manual J
Tennessee	Smith	94	14	1.0	Murfreesboro Tennessee	Manual J	Murfreesboro Tennessee	Manual J
Tennessee	Stewart	93	15	1.0	Hopkinsville Campbell Air Force Base Kentucky	Manual J	Hopkinsville Campbell Air Force Base Kentucky	Manual J
Tennessee	Sullivan	88	17	1.1	TRI CITIES RGNL TN	ASHRAE	Bristol Tri-City Airport Tennessee	Manual J
Tennessee	Sumner	92	18	0.7	NASHVILLE/METROPOLI TN	ASHRAE	Nashville International Airport Tennessee	Manual J
Tennessee	Tipton	95	20	0.6	MILLINGTON MUNI ARP TN	ASHRAE	Millington Municipal Airport Tennessee	Manual J
Tennessee	Trousdale	94	18	0.7	Murfreesboro Tennessee	Manual J	Nashville International Airport Tennessee	Manual J
Tennessee	Unicoi	88	17	1.1	TRI CITIES RGNL TN	ASHRAE	Bristol Tri-City Airport Tennessee	Manual J
Tennessee	Union	90	21	0.8	OAK RIDGE TN	ASHRAE	OAK RIDGE TN	ASHRAE
Tennessee	Van Buren	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Warren	93	13	0.9	Tullahoma Tennessee	Manual J	Tullahoma Tennessee	Manual J
Tennessee	Washington	88	17	1.1	TRI CITIES RGNL TN	ASHRAE	Bristol Tri-City Airport Tennessee	Manual J
Tennessee	Wayne	94	21	0.6	Florence Airport Alabama	Manual J	Florence Airport Alabama	Manual J
Tennessee	Weakley	93	19	0.7	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J	Jackson McKellar-Sipes Regional Airport Tennessee	Manual J
Tennessee	White	86	15	1.2	CROSSVILLE MEM WHIT TN	ASHRAE	Crossville Memorial Airport Tennessee	Manual J
Tennessee	Williamson	92	15	1.0	NASHVILLE/METROPOLI TN	ASHRAE	Columbia Tennessee	Manual J
Tennessee	Wilson	94	14	1.0	Murfreesboro Tennessee	Manual J	Murfreesboro Tennessee	Manual J

### Texas

Texas	Anderson	98	27	0.3	Palestine City Office Texas	Manual J	Palestine City Office Texas	Manual J
Texas	Andrews	99	27	0.4	ODESSA SCHLEMEYER FL TX	ASHRAE	ODESSA SCHLEMEYER FL TX	ASHRAE
Texas	Angelina	96	29	0.3	ANGELINA CO TX	ASHRAE	Lufkin Angelina Co. Airport Texas	Manual J
Texas	Aransas	91	39	0.1	ARANSAS CO TX	ASHRAE	ARANSAS CO TX	ASHRAE
Texas	Archer	100	21	0.5	WICHITA FALLS/SHEPS TX	ASHRAE	Wichita Falls Municipal Airport Texas	Manual J
Texas	Armstrong	95	14	1.0	Amarillo International Airport Texas	Manual J	Amarillo International Airport Texas	Manual J
Texas	Atascosa	99	31	0.2	Kelly Air Force Base Texas	Manual J	San Antonio Randolph Air Force Base Texas	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Texas	Austin	93	36	0.2	SUGER LAND RGNL TX	ASHRAE	SUGER LAND RGNL TX	ASHRAE
Texas	Bailey	95	17	0.9	Cannon Air Force Base (Clovis) New Mexico	Manual J	Cannon Air Force Base (Clovis) New Mexico	Manual J
Texas	Bandera	98	30	0.2	HONDO MUNI TX	ASHRAE	Hondo Municipal Airport Texas	Manual J
Texas	Bastrop	98	30	0.2	AUSTIN/MUELLER MUNI TX	ASHRAE	AUSTIN/MUELLER MUNI TX	ASHRAE
Texas	Baylor	100	17	0.6	Vernon Texas	Manual J	Vernon Texas	Manual J
Texas	Bee	98	34	0.1	BEEVILLE CHASE NAAS TX	ASHRAE	BEEVILLE CHASE NAAS TX	ASHRAE
Texas	Bell	99	28	0.3	ROBERT GRAY AAF TX	ASHRAE	Fort Hood Gray AAF Texas	Manual J
Texas	Bexar	99	31	0.2	Kelly Air Force Base Texas	Manual J	San Antonio Randolph Air Force Base Texas	Manual J
Texas	Blanco	97	30	0.3	Burnet Municipal Airport Texas	Manual J	BURNET MUNI KATE CR TX	ASHRAE
Texas	Borden	96	17	0.7	Lamesa Texas	Manual J	Lamesa Texas	Manual J
Texas	Bosque	99	28	0.3	McGregor Texas	Manual J	McGregor Texas	Manual J
Texas	Bowie	96	26	0.4	TEXARKANA RGNL WEBB AR	ASHRAE	Texarkana Webb Field Arkansas	Manual J
Texas	Brazoria	93	36	0.2	PEARLAND RGNL TX	ASHRAE	BRAZORIA CO TX	ASHRAE
Texas	Brazos	97	29	0.2	EASTERWOOD FLD TX	ASHRAE	Bryan Airport Texas	Manual J
Texas	Brewster	92	28	0.3	Marfa Airport Texas	Manual J	SANDERSON (RAMOS) TX	ASHRAE
Texas	Briscoe	96	13	0.9	Plainview Texas	Manual J	Plainview Texas	Manual J
Texas	Brooks	97	37	0.1	KINGSVILLE NAS TX	ASHRAE	Kingsville Texas	Manual J
Texas	Brown	99	22	0.4	Brownwood Texas	Manual J	Brownwood Texas	Manual J
Texas	Burleson	97	29	0.2	EASTERWOOD FLD TX	ASHRAE	Bryan Airport Texas	Manual J
Texas	Burnet	97	30	0.3	Burnet Municipal Airport Texas	Manual J	BURNET MUNI KATE CR TX	ASHRAE
Texas	Caldwell	98	30	0.2	SAN MARCOS MUNI TX	ASHRAE	SAN MARCOS MUNI TX	ASHRAE
Texas	Calhoun	95	34	0.2	VICTORIA/VICTORIA R TX	ASHRAE	Victoria Regional Airport Texas	Manual J
Texas	Callahan	99	22	0.4	ABILENE DYESS AFB TX	ASHRAE	Abilene Dyess Air Force Base Texas	Manual J
Texas	Cameron	97	41	0.1	VALLEY INTL TX	ASHRAE	VALLEY INTL TX	ASHRAE
Texas	Camp	97	27	0.3	Longview Gregg County Airport Texas	Manual J	Longview Gregg County Airport Texas	Manual J
Texas	Carson	99	19	0.7	HUTCHINSON CO TX	ASHRAE	HUTCHINSON CO TX	ASHRAE
Texas	Cass	96	26	0.4	TEXARKANA RGNL WEBB AR	ASHRAE	Texarkana Webb Field Arkansas	Manual J
Texas	Castro	96	13	0.9	Plainview Texas	Manual J	Plainview Texas	Manual J



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Texas	Chambers	91	37	0.1	Galveston Scholes International Airport Texas	Manual J	Galveston Scholes International Airport Texas	Manual J
Texas	Cherokee	98	27	0.3	Palestine City Office Texas	Manual J	Palestine City Office Texas	Manual J
Texas	Childress	99	21	0.6	Childress Municipal Airport Texas	Manual J	CHILDRESS MUNICIPAL TX	ASHRAE
Texas	Clay	100	21	0.5	WICHITA FALLS/SHEPS TX	ASHRAE	Wichita Falls Municipal Airport Texas	Manual J
Texas	Cochran	98	18	0.7	REESE AFB/LUBBOCK TX	ASHRAE	Lubbock Reese Air Force Base Texas	Manual J
Texas	Coke	99	25	0.4	SAN ANGELO/MATHIS TX	ASHRAE	San Angelo Mathis Field Texas	Manual J
Texas	Coleman	99	22	0.4	Brownwood Texas	Manual J	Brownwood Texas	Manual J
Texas	Collin	99	27	0.4	COLLIN CO RGNL TX	ASHRAE	COLLIN CO RGNL TX	ASHRAE
Texas	Collingsworth	99	21	0.6	Childress Municipal Airport Texas	Manual J	CHILDRESS MUNICIPAL TX	ASHRAE
Texas	Colorado	97	32	0.2	FAYETTE RGNL AIR CTR TX	ASHRAE	FAYETTE RGNL AIR CTR TX	ASHRAE
Texas	Comal	99	32	0.2	NEW BRAUNFELS MUNI TX	ASHRAE	NEW BRAUNFELS MUNI TX	ASHRAE
Texas	Comanche	95	24	0.5	STEPHENVILLE/CLARK TX	ASHRAE	Stephenville Clark Field Texas	Manual J
Texas	Concho	99	25	0.4	SAN ANGELO/MATHIS TX	ASHRAE	San Angelo Mathis Field Texas	Manual J
Texas	Cooke	100	22	0.5	DENTON MUNI TX	ASHRAE	Denton Texas	Manual J
Texas	Coryell	99	28	0.3	ROBERT GRAY AAF TX	ASHRAE	Fort Hood Gray AAF Texas	Manual J
Texas	Cottle	99	21	0.6	Childress Municipal Airport Texas	Manual J	CHILDRESS MUNICIPAL TX	ASHRAE
Texas	Crane	99	27	0.4	ODESSA SCHLEMEYER FL TX	ASHRAE	ODESSA SCHLEMEYER FL TX	ASHRAE
Texas	Crockett	99	25	0.4	TERRELL CO TX	ASHRAE	San Angelo Mathis Field Texas	Manual J
Texas	Crosby	96	13	0.9	Plainview Texas	Manual J	Plainview Texas	Manual J
Texas	Culberson	91	19	0.7	PINE SPRINGS GUADALU TX	ASHRAE	Guadalupe Pass Texas	Manual J
Texas	Dallam	95	13	1.2	DALHART MUNICIPAL TX	ASHRAE	DALHART MUNICIPAL TX	ASHRAE
Texas	Dallas	99	26	0.4	DALLAS EXECUTIVE TX	ASHRAE	Dallas Hensley Field Naval Air Station Texas	Manual J
Texas	Dawson	96	17	0.7	Lamesa Texas	Manual J	Lamesa Texas	Manual J
Texas	Deaf Smith	95	17	0.9	Cannon Air Force Base (Clovis) New Mexico	Manual J	Cannon Air Force Base (Clovis) New Mexico	Manual J
Texas	Delta	97	25	0.5	Paris Cox Field Texas	Manual J	Paris Cox Field Texas	Manual J
Texas	Denton	100	22	0.5	DENTON MUNI TX	ASHRAE	Denton Texas	Manual J
Texas	DeWitt	95	34	0.2	VICTORIA/VICTORIA RTX	ASHRAE	Victoria Regional Airport Texas	Manual J
Texas	Dickens	98	18	0.6	Snyder Texas	Manual J	Snyder Texas	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Texas	Dimmit	101	35	0.1	Cotulla Airport Texas	Manual J	Cotulla Airport Texas	Manual J
Texas	Donley	96	12	1.1	Pampa Texas	Manual J	Pampa Texas	Manual J
Texas	Duval	99	38	0.1	Alice International Airport Texas	Manual J	ALICE INTL TX	ASHRAE
Texas	Eastland	99	22	0.4	Brownwood Texas	Manual J	Brownwood Texas	Manual J
Texas	Ector	99	27	0.4	ODESSA SCHLEMEYER FL TX	ASHRAE	ODESSA SCHLEMEYER FL TX	ASHRAE
Texas	Edwards	98	25	0.3	Junction Kimble County Airport Texas	Manual J	Junction Kimble County Airport Texas	Manual J
Texas	El Paso	99	26	0.4	EL PASO INTL ARPT TX	ASHRAE	El Paso International Airport Texas	Manual J
Texas	Ellis	99	25	0.4	DALLAS EXECUTIVE TX	ASHRAE	Corsicana Texas	Manual J
Texas	Erath	95	24	0.5	STEPHENVILLE/CLARK TX	ASHRAE	Stephenville Clark Field Texas	Manual J
Texas	Falls	99	28	0.3	McGregor Texas	Manual J	McGregor Texas	Manual J
Texas	Fannin	99	22	0.5	Greenville Texas	Manual J	Greenville Texas	Manual J
Texas	Fayette	97	32	0.2	FAYETTE RGNL AIR CTR TX	ASHRAE	FAYETTE RGNL AIR CTR TX	ASHRAE
Texas	Fisher	98	18	0.6	Snyder Texas	Manual J	Snyder Texas	Manual J
Texas	Floyd	96	13	0.9	Plainview Texas	Manual J	Plainview Texas	Manual J
Texas	Foard	100	17	0.6	Vernon Texas	Manual J	Vernon Texas	Manual J
Texas	Fort Bend	93	36	0.2	SUGER LAND RGNL TX	ASHRAE	SUGER LAND RGNL TX	ASHRAE
Texas	Franklin	97	25	0.5	Paris Cox Field Texas	Manual J	Paris Cox Field Texas	Manual J
Texas	Freestone	98	25	0.4	Corsicana Texas	Manual J	Corsicana Texas	Manual J
Texas	Frio	101	35	0.1	Cotulla Airport Texas	Manual J	Cotulla Airport Texas	Manual J
Texas	Gaines	99	18	0.6	Hobbs Airport New Mexico	Manual J	Hobbs Airport New Mexico	Manual J
Texas	Galveston	91	37	0.1	Galveston Scholes International Airport Texas	Manual J	Galveston Scholes International Airport Texas	Manual J
Texas	Garza	98	18	0.6	Snyder Texas	Manual J	Snyder Texas	Manual J
Texas	Gillespie	97	30	0.3	Burnet Municipal Airport Texas	Manual J	BURNET MUNI KATE CR TX	ASHRAE
Texas	Glasscock	97	20	0.5	Big Springs Airport Texas	Manual J	Big Springs Airport Texas	Manual J
Texas	Goliad	98	34	0.1	BEEVILLE CHASE NAAS TX	ASHRAE	BEEVILLE CHASE NAAS TX	ASHRAE
Texas	Gonzales	98	30	0.2	SAN MARCOS MUNI TX	ASHRAE	SAN MARCOS MUNI TX	ASHRAE
Texas	Gray	96	12	1.1	Pampa Texas	Manual J	Pampa Texas	Manual J
Texas	Grayson	98	20	0.5	Dennison N. Texas Regional Airport Texas	Manual J	Dennison N. Texas Regional Airport Texas	Manual J
Texas	Gregg	97	27	0.3	Longview Gregg County Airport Texas	Manual J	Longview Gregg County Airport Texas	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Texas	Grimes	97	27	0.3	EASTERWOOD FLD TX	ASHRAE	Huntsville Texas	Manual J
Texas	Guadalupe	99	32	0.2	NEW BRAUNFELS MUNI TX	ASHRAE	NEW BRAUNFELS MUNI TX	ASHRAE
Texas	Hale	96	13	0.9	Plainview Texas	Manual J	Plainview Texas	Manual J
Texas	Hall	99	21	0.6	Childress Municipal Airport Texas	Manual J	CHILDRESS MUNICIPAL TX	ASHRAE
Texas	Hamilton	95	24	0.5	STEPHENVILLE/CLARK TX	ASHRAE	Stephenville Clark Field Texas	Manual J
Texas	Hansford	99	19	0.7	HUTCHINSON CO TX	ASHRAE	HUTCHINSON CO TX	ASHRAE
Texas	Hardeman	100	17	0.6	Vernon Texas	Manual J	Vernon Texas	Manual J
Texas	Hardin	93	32	0.2	Port Arthur Jack Brooks Regional Airport Texas	Manual J	Beaumont Texas	Manual J
Texas	Harris	95	33	0.2	HOUSTON/D.W. HOOKS TX	ASHRAE	Houston Bush Intercontinental Airport Texas	Manual J
Texas	Harrison	97	27	0.3	Longview Gregg County Airport Texas	Manual J	Longview Gregg County Airport Texas	Manual J
Texas	Hartley	95	13	1.2	DALHART MUNICIPAL TX	ASHRAE	DALHART MUNICIPAL TX	ASHRAE
Texas	Haskell	99	22	0.4	ABILENE DYESS AFB TX	ASHRAE	Abilene Dyess Air Force Base Texas	Manual J
Texas	Hays	98	30	0.2	SAN MARCOS MUNI TX	ASHRAE	SAN MARCOS MUNI TX	ASHRAE
Texas	Hemphill	98	13	0.9	Gage Airport Oklahoma	Manual J	GAGE/SHATTUCK OK	ASHRAE
Texas	Henderson	97	24	0.3	Tyler Airport Texas	Manual J	Tyler Airport Texas	Manual J
Texas	Hidalgo	99	41	0.1	MC ALLEN MILLER INT TX	ASHRAE	Mc Allen Miller International Airport Texas	Manual J
Texas	Hill	99	28	0.3	McGregor Texas	Manual J	McGregor Texas	Manual J
Texas	Hockley	98	18	0.7	REESE AFB/LUBBOCK TX	ASHRAE	Lubbock Reese Air Force Base Texas	Manual J
Texas	Hood	95	24	0.5	STEPHENVILLE/CLARK TX	ASHRAE	Stephenville Clark Field Texas	Manual J
Texas	Hopkins	97	25	0.5	Paris Cox Field Texas	Manual J	Paris Cox Field Texas	Manual J
Texas	Houston	98	27	0.3	Palestine City Office Texas	Manual J	Palestine City Office Texas	Manual J
Texas	Howard	97	20	0.5	Big Springs Airport Texas	Manual J	Big Springs Airport Texas	Manual J
Texas	Hudspeth	91	19	0.7	PINE SPRINGS GUADALU TX	ASHRAE	Guadalupe Pass Texas	Manual J
Texas	Hunt	99	22	0.5	Greenville Texas	Manual J	Greenville Texas	Manual J
Texas	Hutchinson	99	19	0.7	HUTCHINSON CO TX	ASHRAE	HUTCHINSON CO TX	ASHRAE
Texas	Irion	99	25	0.4	SAN ANGELO/MATHIS TX	ASHRAE	San Angelo Mathis Field Texas	Manual J
Texas	Jack	99	22	0.3	Mineral Wells Airport Texas	Manual J	Mineral Wells Airport Texas	Manual J
Texas	Jackson	95	34	0.2	VICTORIA/VICTORIA R TX	ASHRAE	Victoria Regional Airport Texas	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Texas	Jasper	87	36	0.2	Sabine Texas	Manual J	Sabine Texas	Manual J
Texas	Jeff Davis	92	19	0.9	Marfa Airport Texas	Manual J	MARFA MUNICIPAL TX	ASHRAE
Texas	Jefferson	93	32	0.2	Port Arthur Jack Brooks Regional Airport Texas	Manual J	Beaumont Texas	Manual J
Texas	Jim Hogg	101	38	0.1	Laredo International Airport Texas	Manual J	Laredo International Airport Texas	Manual J
Texas	Jim Wells	99	38	0.1	Alice International Airport Texas	Manual J	ALICE INTL TX	ASHRAE
Texas	Johnson	99	22	0.4	DALLAS EXECUTIVE TX	ASHRAE	Fort Worth Carswell Air Force Base Texas	Manual J
Texas	Jones	99	22	0.4	ABILENE DYESS AFB TX	ASHRAE	Abilene Dyess Air Force Base Texas	Manual J
Texas	Karnes	98	34	0.1	BEEVILLE CHASE NAAS TX	ASHRAE	BEEVILLE CHASE NAAS TX	ASHRAE
Texas	Kaufman	99	28	0.3	TERRELL MUNI TX	ASHRAE	TERRELL MUNI TX	ASHRAE
Texas	Kendall	99	31	0.2	Kelly Air Force Base Texas	Manual J	San Antonio Randolph Air Force Base Texas	Manual J
Texas	Kenedy	97	37	0.1	KINGSVILLE NAS TX	ASHRAE	Kingsville Texas	Manual J
Texas	Kent	98	18	0.6	Snyder Texas	Manual J	Snyder Texas	Manual J
Texas	Kerr	98	25	0.3	Junction Kimble County Airport Texas	Manual J	Junction Kimble County Airport Texas	Manual J
Texas	Kimble	98	25	0.3	Junction Kimble County Airport Texas	Manual J	Junction Kimble County Airport Texas	Manual J
Texas	King	99	21	0.6	Childress Municipal Airport Texas	Manual J	CHILDRESS MUNICIPAL TX	ASHRAE
Texas	Kinney	102	34	0.2	Laughlin Air Force Base Texas	Manual J	Del Rio International Airport Texas	Manual J
Texas	Kleberg	97	37	0.1	KINGSVILLE NAS TX	ASHRAE	Kingsville Texas	Manual J
Texas	Knox	100	17	0.6	Vernon Texas	Manual J	Vernon Texas	Manual J
Texas	La Salle	101	35	0.1	Cotulla Airport Texas	Manual J	Cotulla Airport Texas	Manual J
Texas	Lamar	97	25	0.5	Paris Cox Field Texas	Manual J	Paris Cox Field Texas	Manual J
Texas	Lamb	98	18	0.7	REESE AFB/LUBBOCK TX	ASHRAE	Lubbock Reese Air Force Base Texas	Manual J
Texas	Lampasas	99	28	0.3	ROBERT GRAY AAF TX	ASHRAE	Fort Hood Gray AAF Texas	Manual J
Texas	Lavaca	95	32	0.2	VICTORIA/VICTORIA R TX	ASHRAE	FAYETTE RGNL AIR CTR TX	ASHRAE
Texas	Lee	97	32	0.2	FAYETTE RGNL AIR CTR TX	ASHRAE	FAYETTE RGNL AIR CTR TX	ASHRAE
Texas	Leon	98	27	0.3	Palestine City Office Texas	Manual J	Palestine City Office Texas	Manual J
Texas	Liberty	95	33	0.2	MONTGOMERY CO TX	ASHRAE	Houston Bush Intercontinental Airport Texas	Manual J
Texas	Limestone	98	25	0.4	Corsicana Texas	Manual J	Corsicana Texas	Manual J
Texas	Lipscomb	98	13	0.9	Gage Airport Oklahoma	Manual J	GAGE/SHATTUCK OK	ASHRAE



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Texas	Live Oak	98	34	0.1	BEEVILLE CHASE NAAS TX	ASHRAE	BEEVILLE CHASE NAAS TX	ASHRAE
Texas	Llano	97	30	0.3	Burnet Municipal Airport Texas	Manual J	BURNET MUNI KATE CR TX	ASHRAE
Texas	Loving	102	24	0.4	Winkler Co. Airport Texas	Manual J	WINKLER CO TX	ASHRAE
Texas	Lubbock	98	18	0.7	REESE AFB/LUBBOCK TX	ASHRAE	Lubbock Reese Air Force Base Texas	Manual J
Texas	Lynn	96	17	0.7	Lamesa Texas	Manual J	Lamesa Texas	Manual J
Texas	Madison	98	27	0.3	Huntsville Texas	Manual J	Huntsville Texas	Manual J
Texas	Marion	97	27	0.3	Longview Gregg County Airport Texas	Manual J	Longview Gregg County Airport Texas	Manual J
Texas	Martin	96	17	0.7	Lamesa Texas	Manual J	Lamesa Texas	Manual J
Texas	Mason	98	25	0.3	Junction Kimble County Airport Texas	Manual J	Junction Kimble County Airport Texas	Manual J
Texas	Matagorda	94	33	0.1	Bay City Texas	Manual J	Bay City Texas	Manual J
Texas	Maverick	99	32	0.2	Eagle Pass Texas	Manual J	Eagle Pass Texas	Manual J
Texas	McCulloch	99	22	0.4	Brownwood Texas	Manual J	Brownwood Texas	Manual J
Texas	McLennan	99	28	0.3	McGregor Texas	Manual J	McGregor Texas	Manual J
Texas	McMullen	101	35	0.1	Cotulla Airport Texas	Manual J	Cotulla Airport Texas	Manual J
Texas	Medina	98	30	0.2	HONDO MUNI TX	ASHRAE	Hondo Municipal Airport Texas	Manual J
Texas	Menard	98	25	0.3	Junction Kimble County Airport Texas	Manual J	Junction Kimble County Airport Texas	Manual J
Texas	Midland	98	23	0.5	MIDLAND/MIDLAND REG TX	ASHRAE	Midland International Airport Texas	Manual J
Texas	Milam	97	29	0.2	EASTERWOOD FLD TX	ASHRAE	Bryan Airport Texas	Manual J
Texas	Mills	99	22	0.4	Brownwood Texas	Manual J	Brownwood Texas	Manual J
Texas	Mitchell	98	18	0.6	Snyder Texas	Manual J	Snyder Texas	Manual J
Texas	Montague	100	22	0.5	DENTON MUNI TX	ASHRAE	Denton Texas	Manual J
Texas	Montgomery	95	30	0.3	MONTGOMERY CO TX	ASHRAE	MONTGOMERY CO TX	ASHRAE
Texas	Moore	99	19	0.7	HUTCHINSON CO TX	ASHRAE	HUTCHINSON CO TX	ASHRAE
Texas	Morris	97	27	0.3	Longview Gregg County Airport Texas	Manual J	Longview Gregg County Airport Texas	Manual J
Texas	Motley	99	21	0.6	Childress Municipal Airport Texas	Manual J	CHILDRESS MUNICIPAL TX	ASHRAE
Texas	Nacogdoches	95	28	0.3	A L MANGHAM JR RGNL TX	ASHRAE	A L MANGHAM JR RGNL TX	ASHRAE
Texas	Navarro	98	25	0.4	Corsicana Texas	Manual J	Corsicana Texas	Manual J
Texas	Newton	87	36	0.2	Sabine Texas	Manual J	Sabine Texas	Manual J
Texas	Nolan	99	22	0.4	ABILENE DYESS AFB TX	ASHRAE	Abilene Dyess Air Force Base Texas	Manual J



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Texas	Nueces	95	37	0.1	CORPUS CHRISTI/INT. TX	ASHRAE	Corpus Christi International Airport Texas	Manual J
Texas	Ochiltree	96	12	1.1	Pampa Texas	Manual J	Pampa Texas	Manual J
Texas	Oldham	95	13	1.2	DALHART MUNICIPAL TX	ASHRAE	DALHART MUNICIPAL TX	ASHRAE
Texas	Orange	93	32	0.2	Port Arthur Jack Brooks Regional Airport Texas	Manual J	Beaumont Texas	Manual J
Texas	Palo Pinto	99	22	0.3	Mineral Wells Airport Texas	Manual J	Mineral Wells Airport Texas	Manual J
Texas	Panola	97	27	0.3	Longview Gregg County Airport Texas	Manual J	Longview Gregg County Airport Texas	Manual J
Texas	Parker	99	25	0.4	MINERAL WELLS MUNI TX	ASHRAE	MINERAL WELLS MUNI TX	ASHRAE
Texas	Parmer	95	17	0.9	Cannon Air Force Base (Clovis) New Mexico	Manual J	Cannon Air Force Base (Clovis) New Mexico	Manual J
Texas	Pecos	99	30	0.3	FORT STOCKTON PECOS TX	ASHRAE	FORT STOCKTON PECOS TX	ASHRAE
Texas	Polk	96	29	0.3	ANGELINA CO TX	ASHRAE	Lufkin Angelina Co. Airport Texas	Manual J
Texas	Potter	95	14	1.0	Amarillo International Airport Texas	Manual J	Amarillo International Airport Texas	Manual J
Texas	Presidio	92	19	0.9	Marfa Airport Texas	Manual J	MARFA MUNICIPAL TX	ASHRAE
Texas	Rains	99	22	0.5	Greenville Texas	Manual J	Greenville Texas	Manual J
Texas	Randall	95	14	1.0	Amarillo International Airport Texas	Manual J	Amarillo International Airport Texas	Manual J
Texas	Reagan	97	20	0.5	Big Springs Airport Texas	Manual J	Big Springs Airport Texas	Manual J
Texas	Real	98	25	0.3	Junction Kimble County Airport Texas	Manual J	Junction Kimble County Airport Texas	Manual J
Texas	Red River	97	25	0.5	Paris Cox Field Texas	Manual J	Paris Cox Field Texas	Manual J
Texas	Reeves	102	24	0.4	Winkler Co. Airport Texas	Manual J	WINKLER CO TX	ASHRAE
Texas	Refugio	91	39	0.1	ARANSAS CO TX	ASHRAE	ARANSAS CO TX	ASHRAE
Texas	Roberts	96	12	1.1	Pampa Texas	Manual J	Pampa Texas	Manual J
Texas	Robertson	97	29	0.2	EASTERWOOD FLD TX	ASHRAE	Bryan Airport Texas	Manual J
Texas	Rockwall	99	28	0.3	TERRELL MUNI TX	ASHRAE	TERRELL MUNI TX	ASHRAE
Texas	Runnels	102	24	0.4	Pecos Winkler County Airport Texas	Manual J	Pecos Winkler County Airport Texas	Manual J
Texas	Rusk	97	27	0.3	Longview Gregg County Airport Texas	Manual J	Longview Gregg County Airport Texas	Manual J
Texas	Sabine	94	30	0.3	Leesville Fort Polk Louisiana	Manual J	Leesville Fort Polk Louisiana	Manual J
Texas	San Augustine	95	28	0.3	A L MANGHAM JR RGNL TX	ASHRAE	A L MANGHAM JR RGNL TX	ASHRAE
Texas	San Jacinto	95	30	0.3	MONTGOMERY CO TX	ASHRAE	MONTGOMERY CO TX	ASHRAE
Texas	San Patricio	95	37	0.1	CORPUS CHRISTI/INT. TX	ASHRAE	Corpus Christi International Airport Texas	Manual J



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State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
Texas	San Saba	99	22	0.4	Brownwood Texas	Manual J	Brownwood Texas	Manual J
Texas	Schleicher	99	25	0.4	SAN ANGELO/MATHIS TX	ASHRAE	San Angelo Mathis Field Texas	Manual J
Texas	Scurry	98	18	0.6	Snyder Texas	Manual J	Snyder Texas	Manual J
Texas	Shackelford	99	22	0.4	ABILENE DYESS AFB TX	ASHRAE	Abilene Dyess Air Force Base Texas	Manual J
Texas	Shelby	95	28	0.3	A L MANGHAM JR RGNL TX	ASHRAE	A L MANGHAM JR RGNL TX	ASHRAE
Texas	Sherman	95	13	1.2	DALHART MUNICIPAL TX	ASHRAE	DALHART MUNICIPAL TX	ASHRAE
Texas	Smith	97	24	0.3	Tyler Airport Texas	Manual J	Tyler Airport Texas	Manual J
Texas	Somervell	95	24	0.5	STEPHENVILLE/CLARK TX	ASHRAE	Stephenville Clark Field Texas	Manual J
Texas	Starr	99	41	0.1	MC ALLEN MILLER INT TX	ASHRAE	Mc Allen Miller International Airport Texas	Manual J
Texas	Stephens	99	22	0.3	Mineral Wells Airport Texas	Manual J	Mineral Wells Airport Texas	Manual J
Texas	Sterling	97	20	0.5	Big Springs Airport Texas	Manual J	Big Springs Airport Texas	Manual J
Texas	Stonewall	98	18	0.6	Snyder Texas	Manual J	Snyder Texas	Manual J
Texas	Sutton	98	25	0.3	Junction Kimble County Airport Texas	Manual J	Junction Kimble County Airport Texas	Manual J
Texas	Swisher	96	13	0.9	Plainview Texas	Manual J	Plainview Texas	Manual J
Texas	Tarrant	100	22	0.4	FORT WORTH ALLIANCE TX	ASHRAE	Fort Worth Carswell Air Force Base Texas	Manual J
Texas	Taylor	99	22	0.4	ABILENE DYESS AFB TX	ASHRAE	Abilene Dyess Air Force Base Texas	Manual J
Texas	Terrell	99	28	0.3	TERRELL CO TX	ASHRAE	SANDERSON (RAMOS) TX	ASHRAE
Texas	Terry	98	18	0.7	REESE AFB/LUBBOCK TX	ASHRAE	Lubbock Reese Air Force Base Texas	Manual J
Texas	Throckmorton	99	22	0.4	ABILENE DYESS AFB TX	ASHRAE	Abilene Dyess Air Force Base Texas	Manual J
Texas	Titus	97	25	0.5	Paris Cox Field Texas	Manual J	Paris Cox Field Texas	Manual J
Texas	Tom Green	99	25	0.4	SAN ANGELO/MATHIS TX	ASHRAE	San Angelo Mathis Field Texas	Manual J
Texas	Travis	98	30	0.2	AUSTIN/MUELLER MUNI TX	ASHRAE	AUSTIN/MUELLER MUNI TX	ASHRAE
Texas	Trinity	96	29	0.3	ANGELINA CO TX	ASHRAE	Lufkin Angelina Co. Airport Texas	Manual J
Texas	Tyler	96	29	0.3	ANGELINA CO TX	ASHRAE	Lufkin Angelina Co. Airport Texas	Manual J
Texas	Upshur	97	27	0.3	Longview Gregg County Airport Texas	Manual J	Longview Gregg County Airport Texas	Manual J
Texas	Upton	98	23	0.5	MIDLAND/MIDLAND REG TX	ASHRAE	Midland International Airport Texas	Manual J
Texas	Uvalde	98	30	0.2	HONDO MUNI TX	ASHRAE	Hondo Municipal Airport Texas	Manual J
Texas	Val Verde	102	34	0.2	Laughlin Air Force Base Texas	Manual J	Del Rio International Airport Texas	Manual J
Texas	Van Zandt	99	28	0.3	TERRELL MUNI TX	ASHRAE	TERRELL MUNI TX	ASHRAE



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Texas	Victoria	95	34	0.2	VICTORIA/VICTORIA RTX	ASHRAE	Victoria Regional Airport Texas	Manual J
Texas	Walker	98	27	0.3	Huntsville Texas	Manual J	Huntsville Texas	Manual J
Texas	Waller	95	36	0.2	HOUSTON/D.W. HOOKS TX	ASHRAE	SUGER LAND RGNL TX	ASHRAE
Texas	Ward	102	24	0.4	Winkler Co. Airport Texas	Manual J	WINKLER CO TX	ASHRAE
Texas	Washington	97	29	0.2	EASTERWOOD FLD TX	ASHRAE	Bryan Airport Texas	Manual J
Texas	Webb	101	38	0.1	Laredo International Airport Texas	Manual J	Laredo International Airport Texas	Manual J
Texas	Wharton	94	33	0.1	Bay City Texas	Manual J	Bay City Texas	Manual J
Texas	Wheeler	96	12	1.1	Pampa Texas	Manual J	Pampa Texas	Manual J
Texas	Wichita	100	21	0.5	WICHITA FALLS/SHEPS TX	ASHRAE	Wichita Falls Municipal Airport Texas	Manual J
Texas	Wilbarger	100	17	0.6	Vernon Texas	Manual J	Vernon Texas	Manual J
Texas	Willacy	97	41	0.1	VALLEY INTL TX	ASHRAE	VALLEY INTL TX	ASHRAE
Texas	Williamson	97	28	0.3	GEORGETOWN MUNI TX	ASHRAE	Georgetown Texas	Manual J
Texas	Wilson	99	31	0.2	Kelly Air Force Base Texas	Manual J	San Antonio Randolph Air Force Base Texas	Manual J
	Winkler	102	24	0.4	Winkler Co. Airport Texas	Manual J	WINKLER CO TX	ASHRAE
Texas	Wise	100	22	0.4	FORT WORTH ALLIANCE TX	ASHRAE	Fort Worth Carswell Air Force Base Texas	Manual J
Texas	Wood	97	24	0.3	Tyler Airport Texas	Manual J	Tyler Airport Texas	Manual J
Texas	Yoakum	99	18	0.6	Hobbs Airport New Mexico	Manual J	Hobbs Airport New Mexico	Manual J
Texas	Young	99	22	0.3	Mineral Wells Airport Texas	Manual J	Mineral Wells Airport Texas	Manual J
Texas	Zapata	101	38	0.1	Laredo International Airport Texas	Manual J	Laredo International Airport Texas	Manual J
Texas	Zavala	101	35	0.1	Cotulla Airport Texas	Manual J	Cotulla Airport Texas	Manual J

### Utah

Utah	Beaver	95	3	2.0	MILFORD MUNI BRISCOE UT	ASHRAE	MILFORD MUNI BRISCOE UT	ASHRAE
Utah	Box Elder	92	12	1.9	OGDEN-HINCKLEY MUNI UT	ASHRAE	OGDEN-HINCKLEY MUNI UT	ASHRAE
Utah	Cache	91	0	3.2	LOGAN CACHE UT	ASHRAE	Logan-Cache Airport Utah	Manual J
Utah	Carbon	91	8	2.6	PRICE/CARBON COUNTY UT	ASHRAE	Price Carbon Co. Airport Utah	Manual J
Utah	Daggett	91	1	2.8	Vernal Utah	Manual J	VERNAL UT	ASHRAE
Utah	Davis	93	12	1.9	HILL AFB UT	ASHRAE	HILL AFB UT	ASHRAE
Utah	Duchesne	91	8	2.6	PRICE/CARBON COUNTY UT	ASHRAE	Price Carbon Co. Airport Utah	Manual J
Utah	Emery	91	8	2.6	PRICE/CARBON COUNTY UT	ASHRAE	Price Carbon Co. Airport Utah	Manual J



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Utah	Garfield	91	5	2.7	Richfield Utah	Manual J	Richfield Utah	Manual J
Utah	Grand	98	10	1.3	CANYONLANDS FLD UT	ASHRAE	CANYONLANDS FLD UT	ASHRAE
Utah	Iron	91	8	2.1	CEDAR CITY RGNL UT	ASHRAE	CEDAR CITY RGNL UT	ASHRAE
Utah	Juab	93	3	2.2	Milford Municipal Airport Utah	Manual J	Milford Municipal Airport Utah	Manual J
Utah	Kane	110	8	1.3	Phantom Ranch Arizona	Manual J - Micro	Colorado City Arizona	Manual J - Micro
Utah	Millard	93	3	2.2	Milford Municipal Airport Utah	Manual J	Milford Municipal Airport Utah	Manual J
Utah	Morgan	93	12	1.9	HILL AFB UT	ASHRAE	HILL AFB UT	ASHRAE
Utah	Piute	91	5	2.7	Richfield Utah	Manual J	Richfield Utah	Manual J
Utah	Rich	84	-3	7.9	Evanston Wyoming	Manual J	Evanston Wyoming	Manual J
Utah	Salt Lake	95	14	1.6	SALT LAKE CITY INTL UT	ASHRAE	Salt Lake City International Airport Utah	Manual J
Utah	San Juan	97	10	1.3	Dennehotso Arizona	Manual J - Micro	CANYONLANDS FLD UT	ASHRAE
Utah	Sanpete	91	5	2.7	Richfield Utah	Manual J	Richfield Utah	Manual J
Utah	Sevier	91	5	2.7	Richfield Utah	Manual J	Richfield Utah	Manual J
Utah	Summit	84	-3	7.9	Evanston Wyoming	Manual J	Evanston Wyoming	Manual J
Utah	Tooele	93	12	1.7	WENDOVER/AF. AUX. F UT	ASHRAE	Wendover USAF Auxiliary Field Utah	Manual J
Utah	Uintah	91	1	2.8	Vernal Utah	Manual J	VERNAL UT	ASHRAE
Utah	Utah	91	12	2.1	PROVO MUNI UT	ASHRAE	PROVO MUNI UT	ASHRAE
Utah	Wasatch	91	12	2.1	PROVO MUNI UT	ASHRAE	PROVO MUNI UT	ASHRAE
Utah	Washington	104	28	0.5	Saint George Utah	Manual J	Saint George Utah	Manual J
Utah	Wayne	91	5	2.7	Richfield Utah	Manual J	Richfield Utah	Manual J
Utah	Weber	92	12	1.9	OGDEN-HINCKLEY MUNI UT	ASHRAE	OGDEN-HINCKLEY MUNI UT	ASHRAE

### Virginia

Virginia	Accomack	91	22	1.0	ACCOMACK CO VA	ASHRAE	WALLOPS ISL STN VA	ASHRAE
Virginia	Albemarle	91	19	1.1	CHARLOTTESVILLE ALB VA	ASHRAE	CHARLOTTESVILLE ALB VA	ASHRAE
Virginia	Alexandria City	92	20	0.9	Ronald Reagan Airport District of Columbia	Manual J	Ronald Reagan Airport District of Columbia	Manual J
Virginia	Alleghany	81	7	2.4	Hot Springs Ingalls Field Airport Virginia	Manual J	Hot Springs Ingalls Field Airport Virginia	Manual J
Virginia	Amelia	91	19	1.0	Farmville Virginia	Manual J	Farmville Virginia	Manual J
Virginia	Amherst	90	19	1.1	LYNCHBURG/MUN. P. G VA	ASHRAE	LYNCHBURG/MUN. P. G VA	ASHRAE



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Virginia	Appomattox	93	19	0.9	FARMVILLE RGNL VA	ASHRAE	FARMVILLE RGNL VA	ASHRAE
Virginia	Arlington	92	20	0.9	Ronald Reagan Airport District of Columbia	Manual J	Ronald Reagan Airport District of Columbia	Manual J
Virginia	Augusta	91	16	1.1	SHENANDOAH VALLEY RG VA	ASHRAE	SHENANDOAH VALLEY RG VA	ASHRAE
Virginia	Bath	81	7	2.4	Hot Springs Ingalls Field Airport Virginia	Manual J	Hot Springs Ingalls Field Airport Virginia	Manual J
Virginia	Bedford	90	19	1.1	LYNCHBURG/MUN. P. G VA	ASHRAE	LYNCHBURG/MUN. P. G VA	ASHRAE
Virginia	Bedford City	90	19	1.1	LYNCHBURG/MUN. P. G VA	ASHRAE	LYNCHBURG/MUN. P. G VA	ASHRAE
Virginia	Bland	83	12	1.6	MERCER CO WV	ASHRAE	Bluefield Mercer Co. Airport West Virginia	Manual J
Virginia	Botetourt	90	19	1.0	Roanoke Regional Airport Virginia	Manual J	Roanoke Regional Airport Virginia	Manual J
Virginia	Bristol City	88	18	1.1	VIRGINIA HIGHLANDS VA	ASHRAE	VIRGINIA HIGHLANDS VA	ASHRAE
Virginia	Brunswick	93	23	0.7	MECKLENBURG BRUNSWI VA	ASHRAE	Mecklenburg-Brunswick Regional Airport Virginia	Manual J
Virginia	Buchanan	84	12	1.4	LONESOME PINE VA	ASHRAE	LONESOME PINE VA	ASHRAE
Virginia	Buckingham	93	19	0.9	FARMVILLE RGNL VA	ASHRAE	FARMVILLE RGNL VA	ASHRAE
Virginia	Buena Vista City	90	19	1.1	LYNCHBURG/MUN. P. G VA	ASHRAE	LYNCHBURG/MUN. P. G VA	ASHRAE
Virginia	Campbell	90	19	1.1	Lynchburg Regional Airport Virginia	Manual J	Lynchburg Regional Airport Virginia	Manual J
Virginia	Caroline	93	18	1.0	Shannon Airport Virginia	Manual J	Shannon Airport Virginia	Manual J
Virginia	Carroll	84	16	1.4	TWIN COUNTY VA	ASHRAE	TWIN COUNTY VA	ASHRAE
Virginia	Charles City	93	18	0.9	RICHMOND/BYRD FIELD VA	ASHRAE	Richmond Airport Virginia	Manual J
Virginia	Charlotte	91	19	1.0	Farmville Virginia	Manual J	Farmville Virginia	Manual J
Virginia	Charlottesville City	91	18	1.0	Charlottesville Virginia	Manual J	Charlottesville Virginia	Manual J
Virginia	Chesapeake City	93	22	0.6	CHESAPEAKE RGNL VA	ASHRAE	CHESAPEAKE RGNL VA	ASHRAE
Virginia	Chesterfield	95	19	0.8	Petersburg Dinwiddie Co. Airport Virginia	Manual J	Petersburg Dinwiddie Co. Airport Virginia	Manual J
Virginia	Clarke	91	18	1.2	Winchester Regional Airport Virginia	Manual J	Winchester Regional Airport Virginia	Manual J
Virginia	Colonial Heights City	95	19	0.8	Petersburg Dinwiddie Co. Airport Virginia	Manual J	Petersburg Dinwiddie Co. Airport Virginia	Manual J
Virginia	Covington City	81	7	2.4	Hot Springs Ingalls Field Airport Virginia	Manual J	Hot Springs Ingalls Field Airport Virginia	Manual J
Virginia	Craig	90	19	1.0	Roanoke Regional Airport Virginia	Manual J	Roanoke Regional Airport Virginia	Manual J
Virginia	Culpeper	93	18	1.0	CULPEPER RGNL VA	ASHRAE	CULPEPER RGNL VA	ASHRAE
Virginia	Cumberland	93	19	0.9	FARMVILLE RGNL VA	ASHRAE	FARMVILLE RGNL VA	ASHRAE
Virginia	Danville City	91	21	0.8	DANVILLE RGNL VA	ASHRAE	DANVILLE RGNL VA	ASHRAE



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Virginia	Dickenson	84	12	1.4	LONESOME PINE VA	ASHRAE	LONESOME PINE VA	ASHRAE
Virginia	Dinwiddie	95	19	0.8	Petersburg Dinwiddie Co. Airport Virginia	Manual J	Petersburg Dinwiddie Co. Airport Virginia	Manual J
Virginia	Emporia City	91	25	0.7	HALIFAX CO NC	ASHRAE	HALIFAX CO NC	ASHRAE
Virginia	Essex	93	19	0.9	HANOVER CO MUNI VA	ASHRAE	HANOVER CO MUNI VA	ASHRAE
Virginia	Fairfax	94	18	1.1	DAVISON AAF VA	ASHRAE	Fort Belvoir Newington Virginia	Manual J
Virginia	Fairfax City	94	18	1.1	DAVISON AAF VA	ASHRAE	Fort Belvoir Newington Virginia	Manual J
Virginia	Falls Church City	92	20	0.9	Ronald Reagan Airport District of Columbia	Manual J	Ronald Reagan Airport District of Columbia	Manual J
Virginia	Fauquier	93	18	1.0	CULPEPER RGNL VA	ASHRAE	CULPEPER RGNL VA	ASHRAE
Virginia	Floyd	88	16	1.5	VIRGINIA TECH ARPT VA	ASHRAE	VIRGINIA TECH ARPT VA	ASHRAE
Virginia	Fluvanna	91	18	1.0	Charlottesville Virginia	Manual J	Charlottesville Virginia	Manual J
Virginia	Franklin	91	18	1.0	Martinsville Virginia	Manual J	Martinsville Virginia	Manual J
Virginia	Franklin City	93	23	0.6	FRANKLIN MUNI JB ROS VA	ASHRAE	FRANKLIN MUNI JB ROS VA	ASHRAE
Virginia	Frederick	91	18	1.2	Winchester Regional Airport Virginia	Manual J	Winchester Regional Airport Virginia	Manual J
Virginia	Fredericksburg City	93	14	1.2	Fredericksburg Virginia	Manual J	Fredericksburg Virginia	Manual J
Virginia	Galax City	84	16	1.4	TWIN COUNTY VA	ASHRAE	TWIN COUNTY VA	ASHRAE
Virginia	Giles	90	18	1.2	DUBLIN/NEW RIV VLLY VA	ASHRAE	DUBLIN/NEW RIV VLLY VA	ASHRAE
Virginia	Gloucester	92	23	0.8	Newport News Virginia	Manual J	Newport News Virginia	Manual J
Virginia	Goochland	93	19	0.8	LOUISA CO FREEMAN FL VA	ASHRAE	LOUISA CO FREEMAN FL VA	ASHRAE
Virginia	Grayson	88	12	1.5	Marion / Wytheville Mountain Empire Airport Virginia	Manual J	MOUNTAIN EMPIRE VA	ASHRAE
Virginia	Greene	91	19	1.1	CHARLOTTESVILLE ALB VA	ASHRAE	CHARLOTTESVILLE ALB VA	ASHRAE
Virginia	Greenville	91	25	0.7	HALIFAX CO NC	ASHRAE	HALIFAX CO NC	ASHRAE
Virginia	Halifax	91	21	0.8	DANVILLE RGNL VA	ASHRAE	DANVILLE RGNL VA	ASHRAE
Virginia	Hampton City	91	24	0.8	Hampton Langley Air Force Base Virginia	Manual J	Hampton Langley Air Force Base Virginia	Manual J
Virginia	Hanover	93	19	0.9	HANOVER CO MUNI VA	ASHRAE	HANOVER CO MUNI VA	ASHRAE
Virginia	Harrisonburg City	91	16	1.0	Harrisonburg Virginia	Manual J	Harrisonburg Virginia	Manual J
Virginia	Henrico	93	18	0.9	RICHMOND/BYRD FIELD VA	ASHRAE	Richmond Airport Virginia	Manual J
Virginia	Henry	91	19	1.0	BLUE RIDGE VA	ASHRAE	BLUE RIDGE VA	ASHRAE
Virginia	Highland	81	7	2.4	Hot Springs Ingalls Field Airport Virginia	Manual J	Hot Springs Ingalls Field Airport Virginia	Manual J



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Virginia	Hopewell City	93	18	0.9	RICHMOND/BYRD FIELD VA	ASHRAE	Richmond Airport Virginia	Manual J
Virginia	Isle of Wight	93	23	0.6	FRANKLIN MUNI JB ROS VA	ASHRAE	FRANKLIN MUNI JB ROS VA	ASHRAE
Virginia	James City	92	23	0.8	Newport News Virginia	Manual J	Newport News Virginia	Manual J
Virginia	King and Queen	93	18	0.9	RICHMOND/BYRD FIELD VA	ASHRAE	Richmond Airport Virginia	Manual J
Virginia	King George	90	20	1.0	QUANTICO MCAF VA	ASHRAE	QUANTICO MCAF VA	ASHRAE
Virginia	King William	93	18	0.9	RICHMOND/BYRD FIELD VA	ASHRAE	Richmond Airport Virginia	Manual J
Virginia	Lancaster	90	21	1.0	Lexington Park Patuxent River Naval Air Station Maryland	Manual J	PATUXENT RIVER NAS MD	ASHRAE
Virginia	Lee	90	16	1.5	Greenville Tennessee	Manual J	Greenville Tennessee	Manual J
Virginia	Lexington City	81	7	2.4	Hot Springs Ingalls Field Airport Virginia	Manual J	Hot Springs Ingalls Field Airport Virginia	Manual J
Virginia	Loudoun	93	14	1.6	LEESBURG EXECUTIVE VA	ASHRAE	Sterling Virginia	Manual J
Virginia	Louisa	93	19	0.8	LOUISA CO FREEMAN FL VA	ASHRAE	LOUISA CO FREEMAN FL VA	ASHRAE
Virginia	Lunenburg	93	23	0.7	MECKLENBURG BRUNSWI VA	ASHRAE	Mecklenburg-Brunswick Regional Airport Virginia	Manual J
Virginia	Lynchburg City	90	19	1.1	LYNCHBURG/MUN. P. G VA	ASHRAE	LYNCHBURG/MUN. P. G VA	ASHRAE
Virginia	Madison	91	19	1.1	CHARLOTTESVILLE ALB VA	ASHRAE	CHARLOTTESVILLE ALB VA	ASHRAE
Virginia	Manassas City	91	16	1.4	Manassas Regional Airport Virginia	Manual J	Manassas Regional Airport Virginia	Manual J
Virginia	Manassas Park City	91	16	1.3	MANASSAS RGNL DAVIS VA	ASHRAE	MANASSAS RGNL DAVIS VA	ASHRAE
Virginia	Martinsville City	91	18	1.0	Martinsville Virginia	Manual J	Martinsville Virginia	Manual J
Virginia	Mathews	91	24	0.8	Hampton Langley Air Force Base Virginia	Manual J	Hampton Langley Air Force Base Virginia	Manual J
Virginia	Mecklenburg	93	23	0.7	MECKLENBURG BRUNSWI VA	ASHRAE	Mecklenburg-Brunswick Regional Airport Virginia	Manual J
Virginia	Middlesex	92	23	0.8	Newport News Virginia	Manual J	Newport News Virginia	Manual J
Virginia	Montgomery	88	16	1.5	VIRGINIA TECH ARPT VA	ASHRAE	VIRGINIA TECH ARPT VA	ASHRAE
Virginia	Nelson	91	16	1.1	SHENANDOAH VALLEY RG VA	ASHRAE	SHENANDOAH VALLEY RG VA	ASHRAE
Virginia	New Kent	93	18	0.9	RICHMOND/BYRD FIELD VA	ASHRAE	Richmond Airport Virginia	Manual J
Virginia	Newport News	92	23	0.8	Newport News Virginia	Manual J	Newport News Virginia	Manual J
Virginia	Norfolk City	91	26	0.7	NORFOLK NS VA	ASHRAE	Norfolk International Airport Virginia	Manual J
Virginia	Northampton	91	28	0.8	ACCOMACK CO VA	ASHRAE	CHESAPEAKE VA	ASHRAE
Virginia	Northumberland	90	21	1.0	Lexington Park Patuxent River Naval Air Station Maryland	Manual J	PATUXENT RIVER NAS MD	ASHRAE
Virginia	Norton City	84	12	1.4	LONESOME PINE VA	ASHRAE	LONESOME PINE VA	ASHRAE



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Virginia	Nottoway	91	19	1.0	Farmville Virginia	Manual J	Farmville Virginia	Manual J
Virginia	Orange	93	19	0.8	LOUISA CO FREEMAN FL VA	ASHRAE	LOUISA CO FREEMAN FL VA	ASHRAE
Virginia	Page	91	16	1.0	Harrisonburg Virginia	Manual J	Harrisonburg Virginia	Manual J
Virginia	Patrick	91	19	1.0	BLUE RIDGE VA	ASHRAE	BLUE RIDGE VA	ASHRAE
Virginia	Petersburg City	95	19	0.8	Petersburg Dinwiddie Co. Airport Virginia	Manual J	Petersburg Dinwiddie Co. Airport Virginia	Manual J
Virginia	Pittsylvania	91	21	0.8	DANVILLE RGNL VA	ASHRAE	DANVILLE RGNL VA	ASHRAE
Virginia	Poquoson City	91	24	0.8	Hampton Langley Air Force Base Virginia	Manual J	Hampton Langley Air Force Base Virginia	Manual J
Virginia	Portsmouth City	91	26	0.7	NORFOLK NS VA	ASHRAE	Norfolk International Airport Virginia	Manual J
Virginia	Powhatan	93	19	0.8	LOUISA CO FREEMAN FL VA	ASHRAE	LOUISA CO FREEMAN FL VA	ASHRAE
Virginia	Prince Edward	91	19	1.0	Farmville Virginia	Manual J	Farmville Virginia	Manual J
Virginia	Prince George	95	19	0.8	Petersburg Dinwiddie Co. Airport Virginia	Manual J	Petersburg Dinwiddie Co. Airport Virginia	Manual J
Virginia	Prince William	91	16	1.3	MANASSAS RGNL DAVIS VA	ASHRAE	MANASSAS RGNL DAVIS VA	ASHRAE
Virginia	Pulaski	90	18	1.2	DUBLIN/NEW RIV VLLY VA	ASHRAE	DUBLIN/NEW RIV VLLY VA	ASHRAE
Virginia	Radford City	90	18	1.2	DUBLIN/NEW RIV VLLY VA	ASHRAE	DUBLIN/NEW RIV VLLY VA	ASHRAE
Virginia	Rappahannock	93	18	1.0	CULPEPER RGNL VA	ASHRAE	CULPEPER RGNL VA	ASHRAE
Virginia	Richmond	90	21	1.0	Lexington Park Patuxent River Naval Air Station Maryland	Manual J	PATUXENT RIVER NAS MD	ASHRAE
Virginia	Richmond City	93	18	0.9	RICHMOND/BYRD FIELD VA	ASHRAE	Richmond Airport Virginia	Manual J
Virginia	Roanoke	90	19	1.0	Roanoke Regional Airport Virginia	Manual J	Roanoke Regional Airport Virginia	Manual J
Virginia	Roanoke City	90	19	1.0	Roanoke Regional Airport Virginia	Manual J	Roanoke Regional Airport Virginia	Manual J
Virginia	Rockbridge	81	7	2.4	Hot Springs Ingalls Field Airport Virginia	Manual J	Hot Springs Ingalls Field Airport Virginia	Manual J
Virginia	Rockingham	91	16	1.0	Harrisonburg Virginia	Manual J	Harrisonburg Virginia	Manual J
Virginia	Russell	88	18	1.1	VIRGINIA HIGHLANDS VA	ASHRAE	VIRGINIA HIGHLANDS VA	ASHRAE
Virginia	Salem City	90	19	1.0	Roanoke Regional Airport Virginia	Manual J	Roanoke Regional Airport Virginia	Manual J
Virginia	Scott	84	12	1.4	LONESOME PINE VA	ASHRAE	LONESOME PINE VA	ASHRAE
Virginia	Shenandoah	91	16	1.0	Harrisonburg Virginia	Manual J	Harrisonburg Virginia	Manual J
Virginia	Smyth	88	12	1.5	Marion / Wytheville Mountain Empire Airport Virginia	Manual J	MOUNTAIN EMPIRE VA	ASHRAE
Virginia	Southampton	93	23	0.6	FRANKLIN MUNI JB ROS VA	ASHRAE	FRANKLIN MUNI JB ROS VA	ASHRAE
Virginia	Spotsylvania	93	18	1.0	Shannon Airport Virginia	Manual J	Shannon Airport Virginia	Manual J



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Virginia	Stafford	90	20	1.0	Quantico Marine Corps Virginia	Manual J	Quantico Marine Corps Virginia	Manual J
Virginia	Staunton City	91	16	1.1	SHENANDOAH VALLEY RG VA	ASHRAE	SHENANDOAH VALLEY RG VA	ASHRAE
Virginia	Suffolk City	93	25	0.6	SUFFOLK EXECUTIVE VA	ASHRAE	SUFFOLK EXECUTIVE VA	ASHRAE
Virginia	Surry	91	23	0.8	WAKEFIELD MUNI VA	ASHRAE	WAKEFIELD MUNI VA	ASHRAE
Virginia	Sussex	91	23	0.8	WAKEFIELD MUNI VA	ASHRAE	WAKEFIELD MUNI VA	ASHRAE
Virginia	Tazewell	88	12	1.5	Marion / Wytheville Mountain Empire Airport Virginia	Manual J	MOUNTAIN EMPIRE VA	ASHRAE
Virginia	Virginia Beach City	91	25	0.7	NORFOLK INTL ARPT VA	ASHRAE	Oceana Naval Air Station Virginia	Manual J
Virginia	Warren	91	18	1.2	Winchester Regional Airport Virginia	Manual J	Winchester Regional Airport Virginia	Manual J
Virginia	Washington	88	18	1.1	VIRGINIA HIGHLANDS VA	ASHRAE	VIRGINIA HIGHLANDS VA	ASHRAE
Virginia	Waynesboro City	91	16	1.1	SHENANDOAH VALLEY RG VA	ASHRAE	SHENANDOAH VALLEY RG VA	ASHRAE
Virginia	Westmoreland	90	21	1.0	Lexington Park Patuxent River Naval Air Station Maryland	Manual J	PATUXENT RIVER NAS MD	ASHRAE
Virginia	Williamsburg City	92	23	0.8	Newport News Virginia	Manual J	Newport News Virginia	Manual J
Virginia	Winchester City	91	18	1.2	Winchester Regional Airport Virginia	Manual J	Winchester Regional Airport Virginia	Manual J
Virginia	Wise	84	12	1.4	LONESOME PINE VA	ASHRAE	LONESOME PINE VA	ASHRAE
Virginia	Wythe	88	12	1.5	Marion / Wytheville Mountain Empire Airport Virginia	Manual J	MOUNTAIN EMPIRE VA	ASHRAE
Virginia	York	91	24	0.8	Hampton Langley Air Force Base Virginia	Manual J	Hampton Langley Air Force Base Virginia	Manual J
<b>Vermont</b>								
Vermont	Addison	86	-4	3.1	BURLINGTON INTL VT	ASHRAE	Burlington International Airport Vermont	Manual J
Vermont	Bennington	84	1	3.1	W H MORSE STATE VT	ASHRAE	W H MORSE STATE VT	ASHRAE
Vermont	Caledonia	83	-11	4.4	MORRISVILLE STOWE ST VT	ASHRAE	Barre Vermont	Manual J
Vermont	Chittenden	86	-4	3.1	BURLINGTON INTL VT	ASHRAE	Burlington International Airport Vermont	Manual J
Vermont	Essex	82	-18	92.5	MT WASHINGTON RGNL NH	ASHRAE	Mount Washington New Hampshire	Manual J
Vermont	Franklin	83	-8	4.3	MORRISVILLE STOWE ST VT	ASHRAE	Morrisville-Stowe State Airport Vermont	Manual J
Vermont	Grand Isle	83	-5	3.7	PLATTSBURGH INTL NY	ASHRAE	PLATTSBURGH INTL NY	ASHRAE
Vermont	Lamoille	83	-8	4.3	MORRISVILLE STOWE ST VT	ASHRAE	Morrisville-Stowe State Airport Vermont	Manual J
Vermont	Orange	82	-11	4.4	Montpelier Airport Vermont	Manual J	Barre Vermont	Manual J
Vermont	Orleans	83	-8	4.3	MORRISVILLE STOWE ST VT	ASHRAE	Morrisville-Stowe State Airport Vermont	Manual J
Vermont	Rutland	82	-2	3.6	Rutland State Airport Vermont	Manual J	Rutland State Airport Vermont	Manual J



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Vermont	Washington	82	-11	4.4	Montpelier Airport Vermont	Manual J	Barre Vermont	Manual J
Vermont	Windham	84	1	3.4	Springfield Hartness State Airport Vermont	Manual J	Springfield Hartness State Airport Vermont	Manual J
Vermont	Windsor	84	1	3.4	Springfield Hartness State Airport Vermont	Manual J	Springfield Hartness State Airport Vermont	Manual J
<b>Washington</b>								
Washington	Adams	95	7	2.9	MOSES LAKE/GRA NT CO WA	ASHRAE	Moses Lake Washington	Manual J
Washington	Asotin	95	18	1.7	LEWISTON NEZ PERCE ID	ASHRAE	Lewiston Nez Perce Co. Airport Idaho	Manual J
Washington	Benton	97	11	1.4	HANFORD WA	ASHRAE	Kennewick Washington	Manual J
Washington	Chelan	92	12	2.0	Wenatchee Pangborn Memorial Airport Washington	Manual J	Wenatchee Pangborn Memorial Airport Washington	Manual J
Washington	Clallam	75	27	4.9	Quillayute State Airport Washington	Manual J	Quillayute State Airport Washington	Manual J
Washington	Clark	88	28	1.8	Vancouver Pearson Airfield Washington	Manual J	PEARSON FLD WA	ASHRAE
Washington	Columbia	95	16	1.5	Walla Walla Regional Airport Washington	Manual J	Walla Walla Regional Airport Washington	Manual J
Washington	Cowlitz	83	26	2.3	Longview Kelso Longview Airport Washington	Manual J	Longview Kelso Longview Airport Washington	Manual J
Washington	Douglas	92	12	2.0	Wenatchee Pangborn Memorial Airport Washington	Manual J	Wenatchee Pangborn Memorial Airport Washington	Manual J
Washington	Ferry	93	10	2.4	OMAK WA	ASHRAE	OMAK WA	ASHRAE
Washington	Franklin	97	15	1.6	Pasco Washington	Manual J	Pasco Washington	Manual J
Washington	Garfield	95	18	1.7	LEWISTON NEZ PERCE ID	ASHRAE	Lewiston Nez Perce Co. Airport Idaho	Manual J
Washington	Grant	95	7	2.9	MOSES LAKE/GRA NT CO WA	ASHRAE	Moses Lake Washington	Manual J
Washington	Grays Harbor	77	28	3.3	Aberdeen Washington	Manual J	Aberdeen Washington	Manual J
Washington	Island	70	27	4.3	Whidbey Island Naval Air Station Washington	Manual J	Whidbey Island Naval Air Station Washington	Manual J
Washington	Jefferson	63	34	5.8	Destruction Island Washington	Manual J	Destruction Island Washington	Manual J
Washington	King	82	27	2.1	BOEING FLD KING CO WA	ASHRAE	Seattle City Office Washington	Manual J
Washington	Kitsap	82	27	3.6	Bremerton National Airport Washington	Manual J	BREMERTON NATIONAL WA	ASHRAE
Washington	Kittitas	93	6	3.4	BOWERS FLD WA	ASHRAE	Ellensburg Airport Washington	Manual J
Washington	Klickitat	93	23	1.5	COLUMBIA GORGE RGNL OR	ASHRAE	COLUMBIA GORGE RGNL OR	ASHRAE
Washington	Lewis	83	24	2.9	FORT LEWIS/GRAY AAF WA	ASHRAE	Gray AAF Washington	Manual J
Washington	Lincoln	95	7	2.9	MOSES LAKE/GRA NT CO WA	ASHRAE	Moses Lake Washington	Manual J
Washington	Mason	83	27	3.3	Shelton Sanderson Field Washington	Manual J	SANDERSON FLD WA	ASHRAE



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Washington	Okanogan	93	10	2.4	OMAK WA	ASHRAE	OMAK WA	ASHRAE
Washington	Pacific	72	30	3.4	ASTORIA/CLATSOP OR	ASHRAE	Astoria Regional Airport Oregon	Manual J
Washington	Pend Oreille	91	9	4.3	Spokane Felts Field Municipal Airport Washington	Manual J	DEER PARK ARPT WA	ASHRAE
Washington	Pierce	83	24	2.9	FORT LEWIS/GRAY AAF WA	ASHRAE	Gray AAF Washington	Manual J
Washington	San Juan	75	30	4.7	Friday Harbor Airport Washington	Manual J	FRIDAY HARBOR WA	ASHRAE
Washington	Skagit	79	25	3.4	ARLINGTON MUNI WA	ASHRAE	ARLINGTON MUNI WA	ASHRAE
Washington	Skamania	88	28	1.8	PORLTAND TROUTDALE OR	ASHRAE	PEARSON FLD WA	ASHRAE
Washington	Snohomish	79	25	3.4	ARLINGTON MUNI WA	ASHRAE	ARLINGTON MUNI WA	ASHRAE
Washington	Spokane	91	9	4.3	Spokane Felts Field Municipal Airport Washington	Manual J	DEER PARK ARPT WA	ASHRAE
Washington	Stevens	91	9	4.3	Spokane Felts Field Municipal Airport Washington	Manual J	DEER PARK ARPT WA	ASHRAE
Washington	Thurston	83	24	3.2	OLYMPIA WA	ASHRAE	Olympia Airport Washington	Manual J
Washington	Wahkiakum	72	30	3.4	ASTORIA/CLATSOP OR	ASHRAE	Astoria Regional Airport Oregon	Manual J
Washington	Walla Walla	95	16	1.5	Walla Walla Regional Airport Washington	Manual J	Walla Walla Regional Airport Washington	Manual J
Washington	Whatcom	76	23	3.4	BELLINGHAM INTL WA	ASHRAE	Bellingham International Airport Washington	Manual J
Washington	Whitman	90	14	3.5	Pullman-Moscow Regional Airport Washington	Manual J	PULLMAN MOSCOW RGNL WA	ASHRAE
Washington	Yakima	93	12	2.5	YAKIMA AIR TERMINAL WA	ASHRAE	Yakima Air Terminal / McAllister Field Washington	Manual J

## Wisconsin

Wisconsin	Adams	86	-2	2.7	Wisconsin Rapids Alexander Field-Wood Co. Airport Wisconsin	Manual J	BARABOO WISC DELLS WI	ASHRAE
Wisconsin	Ashland	84	-16	5.1	J F KENNEDY MEMORIAL WI	ASHRAE	Ashland Wisconsin	Manual J
Wisconsin	Barron	84	-9	3.6	RICE LAKE RGNL CARLS WI	ASHRAE	RICE LAKE RGNL CARLS WI	ASHRAE
Wisconsin	Bayfield	84	-16	5.1	J F KENNEDY MEMORIAL WI	ASHRAE	Ashland Wisconsin	Manual J
Wisconsin	Brown	85	-4	3.3	GREEN BAY/A.-STRAUB WI	ASHRAE	Green Bay Austin Straubel International Airport Wisconsin	Manual J
Wisconsin	Buffalo	89	-4	2.5	Winona Municipal Airport Minnesota	Manual J	WINONA MUNI CONRAD F MN	ASHRAE
Wisconsin	Burnett	86	-8	3.6	RUSH CITY RGNL MN	ASHRAE	RUSH CITY RGNL MN	ASHRAE
Wisconsin	Calumet	86	-1	2.8	Appleton Outagamie Co. Regional Airport Wisconsin	Manual J	OUTAGAMIE CO RGNL WI	ASHRAE
Wisconsin	Chippewa	87	-8	3.0	CHIPPEWA VALLEY RGN WI	ASHRAE	CHIPPEWA VALLEY RGN WI	ASHRAE



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Wisconsin	Clark	82	-8	3.5	TAYLOR CO WI	ASHRAE	Marshfield Municipal Airport Wisconsin	Manual J
Wisconsin	Columbia	87	-3	2.8	Madison Dane Co. Regional Airport Wisconsin	Manual J	Madison Dane Co. Regional Airport Wisconsin	Manual J
Wisconsin	Crawford	86	0	2.3	PRAIRIE DU CHIEN MUN WI	ASHRAE	PRAIRIE DU CHIEN MUN WI	ASHRAE
Wisconsin	Dane	87	-3	2.8	Madison Dane Co. Regional Airport Wisconsin	Manual J	Madison Dane Co. Regional Airport Wisconsin	Manual J
Wisconsin	Dodge	84	0	2.7	DODGE CO WI	ASHRAE	DODGE CO WI	ASHRAE
Wisconsin	Door	82	0	3.7	Sturgeon Bay Door Co. Cherry Land Airport Wisconsin	Manual J	DOOR CO CHERRYLAND WI	ASHRAE
Wisconsin	Douglas	82	-8	5.6	RICHARD I BONG WI	ASHRAE	RICHARD I BONG WI	ASHRAE
Wisconsin	Dunn	87	-8	3.0	CHIPPEWA VALLEY RGN WI	ASHRAE	CHIPPEWA VALLEY RGN WI	ASHRAE
Wisconsin	Eau Claire	87	-10	3.1	Eau Claire County Airport Wisconsin	Manual J	Eau Claire County Airport Wisconsin	Manual J
Wisconsin	Florence	84	-6	4.5	FORD MI	ASHRAE	FORD MI	ASHRAE
Wisconsin	Fond du Lac	86	0	2.7	Fond Du Lac Co. Airport Wisconsin	Manual J	FOND DU LAC CO WI	ASHRAE
Wisconsin	Forest	82	-9	5.3	Eagle River Union Airport Wisconsin	Manual J	EAGLE RIVER UNION WI	ASHRAE
Wisconsin	Grant	88	-2	2.4	BOSCOBEL WI	ASHRAE	BOSCOBEL WI	ASHRAE
Wisconsin	Green	86	0	2.4	MONROE MUNI WI	ASHRAE	MONROE MUNI WI	ASHRAE
Wisconsin	Green Lake	84	0	2.7	DODGE CO WI	ASHRAE	DODGE CO WI	ASHRAE
Wisconsin	Iowa	84	0	2.5	IOWA CO WI	ASHRAE	IOWA CO WI	ASHRAE
Wisconsin	Iron	82	-8	5.2	GOCEBIC IRON CO MI	ASHRAE	GOCEBIC IRON CO MI	ASHRAE
Wisconsin	Jackson	88	-8	3.2	SPART FORT MC COY WI	ASHRAE	SPART FORT MC COY WI	ASHRAE
Wisconsin	Jefferson	86	0	2.6	WATERTOWN MUNI WI	ASHRAE	WATERTOWN MUNI WI	ASHRAE
Wisconsin	Juneau	86	-2	2.7	Wisconsin Rapids Alexander Field-Wood Co. Airport Wisconsin	Manual J	BARABOO WISC DELLS WI	ASHRAE
Wisconsin	Kenosha	88	3	2.5	Kenosha Regional Airport Wisconsin	Manual J	KENOSHA RGNL WI	ASHRAE
Wisconsin	Kewaunee	82	0	3.7	Sturgeon Bay Door Co. Cherry Land Airport Wisconsin	Manual J	DOOR CO CHERRYLAND WI	ASHRAE
Wisconsin	La Crosse	89	-6	2.4	La Crosse Municipal Airport Wisconsin	Manual J	La Crosse Municipal Airport Wisconsin	Manual J
Wisconsin	Lafayette	84	0	2.5	IOWA CO WI	ASHRAE	IOWA CO WI	ASHRAE
Wisconsin	Langlade	82	-9	4.6	Antigo Langlade Co. Airport Wisconsin	Manual J	LANGLADE CO WI	ASHRAE
Wisconsin	Lincoln	82	-9	4.9	MERRILL MUNI WI	ASHRAE	MERRILL MUNI WI	ASHRAE
Wisconsin	Manitowoc	82	1	3.7	Manitowoc Co. Airport Wisconsin	Manual J	MANITOWOC CO WI	ASHRAE
Wisconsin	Marathon	85	-8	3.5	Wausau Municipal Airport Wisconsin	Manual J	Wausau Municipal Airport Wisconsin	Manual J



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Wisconsin	Marinette	84	-11	3.4	Marinette Wisconsin	Manual J	Marinette Wisconsin	Manual J
Wisconsin	Marquette	86	-2	2.7	BARABOO WISC DELLS WI	ASHRAE	BARABOO WISC DELLS WI	ASHRAE
Wisconsin	Menominee	86	-2	3.0	CLINTONVILLE MUNI WI	ASHRAE	CLINTONVILLE MUNI WI	ASHRAE
Wisconsin	Milwaukee	87	2	2.5	Milwaukee Mitchell International Airport Wisconsin	Manual J	Milwaukee Mitchell International Airport Wisconsin	Manual J
Wisconsin	Monroe	88	-8	3.2	SPART FORT MC COY WI	ASHRAE	SPART FORT MC COY WI	ASHRAE
Wisconsin	Oconto	85	-4	3.3	GREEN BAY/A.-STRAUB WI	ASHRAE	Green Bay Austin Straubel International Airport Wisconsin	Manual J
Wisconsin	Oneida	83	-9	4.6	Rhineland-Oneida Co. Airport Wisconsin	Manual J	RHINELANDER ONEIDA WI	ASHRAE
Wisconsin	Outagamie	86	-1	2.8	Appleton Outagamie Co. Regional Airport Wisconsin	Manual J	OUTAGAMIE CO RGNL WI	ASHRAE
Wisconsin	Ozaukee	84	1	3.3	Sheboygan Co. Memorial Airport Wisconsin	Manual J	SHEBOYGAN CO MEM WI	ASHRAE
Wisconsin	Pepin	87	-8	3.0	CHIPPEWA VALLEY RGN WI	ASHRAE	CHIPPEWA VALLEY RGN WI	ASHRAE
Wisconsin	Pierce	88	-8	2.9	RED WING RGNL MN	ASHRAE	RED WING RGNL MN	ASHRAE
Wisconsin	Polk	86	-8	3.2	L O SIMENSTAD MUNI WI	ASHRAE	L O SIMENSTAD MUNI WI	ASHRAE
Wisconsin	Portage	89	-11	3.8	Stevens Point Wisconsin	Manual J	Stevens Point Wisconsin	Manual J
Wisconsin	Price	82	-13	4.7	PRICE CO WI	ASHRAE	Phillips Price Co. Airport Wisconsin	Manual J
Wisconsin	Racine	88	-2	2.8	Racine Wisconsin	Manual J	Racine Wisconsin	Manual J
Wisconsin	Richland	88	-2	2.4	BOSCOBEL WI	ASHRAE	BOSCOBEL WI	ASHRAE
Wisconsin	Rock	90	-3	2.5	Beloit Wisconsin	Manual J	Beloit Wisconsin	Manual J
Wisconsin	Rusk	84	-11	4.4	SAWYER CO WI	ASHRAE	SAWYER CO WI	ASHRAE
Wisconsin	Sauk	86	-2	2.7	BARABOO WISC DELLS WI	ASHRAE	BARABOO WISC DELLS WI	ASHRAE
Wisconsin	Sawyer	84	-11	4.4	SAWYER CO WI	ASHRAE	SAWYER CO WI	ASHRAE
Wisconsin	Shawano	86	-2	3.0	CLINTONVILLE MUNI WI	ASHRAE	CLINTONVILLE MUNI WI	ASHRAE
Wisconsin	Sheboygan	84	1	3.3	Sheboygan Co. Memorial Airport Wisconsin	Manual J	SHEBOYGAN CO MEM WI	ASHRAE
Wisconsin	St. Croix	86	-8	3.2	L O SIMENSTAD MUNI WI	ASHRAE	L O SIMENSTAD MUNI WI	ASHRAE
Wisconsin	Taylor	82	-8	3.8	TAYLOR CO WI	ASHRAE	TAYLOR CO WI	ASHRAE
Wisconsin	Trempealeau	89	-4	2.5	Winona Municipal Airport Minnesota	Manual J	WINONA MUNI CONRAD F MN	ASHRAE
Wisconsin	Vernon	88	-8	3.2	SPART FORT MC COY WI	ASHRAE	SPART FORT MC COY WI	ASHRAE
Wisconsin	Vilas	82	-9	5.3	Eagle River Union Airport Wisconsin	Manual J	EAGLE RIVER UNION WI	ASHRAE



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Wisconsin	Walworth	87	-5	2.4	Waukesha Wisconsin	Manual J	Waukesha Wisconsin	Manual J
Wisconsin	Washburn	84	-11	4.4	SAWYER CO WI	ASHRAE	SAWYER CO WI	ASHRAE
Wisconsin	Washington	84	1	2.8	WEST BEND MUNI WI	ASHRAE	WEST BEND MUNI WI	ASHRAE
Wisconsin	Waukesha	87	-5	2.4	Waukesha Wisconsin	Manual J	Waukesha Wisconsin	Manual J
Wisconsin	Waupaca	86	-2	3.0	CLINTONVILLE MUNI WI	ASHRAE	CLINTONVILLE MUNI WI	ASHRAE
Wisconsin	Waushara	89	-11	3.8	Stevens Point Wisconsin	Manual J	Stevens Point Wisconsin	Manual J
Wisconsin	Winnebago	84	0	2.9	WITTMAN RGNL WI	ASHRAE	WITTMAN RGNL WI	ASHRAE
Wisconsin	Wood	86	-8	3.5	Wisconsin Rapids Alexander Field-Wood Co. Airport Wisconsin	Manual J	Marshfield Municipal Airport Wisconsin	Manual J

### West Virginia

West Virginia	Barbour	84	7	2.2	ELKINS-RANDOLPH COU WV	ASHRAE	Elkins-Randolph Co. Airport West Virginia	Manual J
West Virginia	Berkeley	90	15	1.4	EASTERN WV RGNL SHE WV	ASHRAE	Martinsburg Eastern W.V. Regional Airport West Virginia	Manual J
West Virginia	Boone	89	15	1.2	YEAGER WV	ASHRAE	Charleston Yeager Airport West Virginia	Manual J
West Virginia	Braxton	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Brooke	86	10	1.7	WHEELING OHIO CO WV	ASHRAE	WHEELING OHIO CO WV	ASHRAE
West Virginia	Cabell	90	15	1.1	HUNTINGTON/TRI STAT WV	ASHRAE	Huntington Tri-State Airport West Virginia	Manual J
West Virginia	Calhoun	88	12	1.4	MID OHIO VALLEY RGN WV	ASHRAE	Parkersburg Mid-Ohio Valley Regional Airport West Virginia	Manual J
West Virginia	Clay	89	15	1.2	YEAGER WV	ASHRAE	Charleston Yeager Airport West Virginia	Manual J
West Virginia	Doddridge	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Fayette	83	11	1.8	BECKLEY (RALEIGH CT WV	ASHRAE	Beckley Raleigh Co. Memorial Airport West Virginia	Manual J
West Virginia	Gilmer	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Grant	84	7	2.2	ELKINS-RANDOLPH COU WV	ASHRAE	Elkins-Randolph Co. Airport West Virginia	Manual J
West Virginia	Greenbrier	84	12	2.2	GREENBRIER VALLEY WV	ASHRAE	GREENBRIER VALLEY WV	ASHRAE
West Virginia	Hampshire	89	10	1.6	Cumberland Maryland	Manual J	Cumberland Maryland	Manual J
West Virginia	Hancock	86	5	1.9	Steubenville Ohio	Manual J	Steubenville Ohio	Manual J
West Virginia	Hardy	91	16	1.0	Harrisonburg Virginia	Manual J	Harrisonburg Virginia	Manual J
West Virginia	Harrison	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Jackson	89	15	1.2	YEAGER WV	ASHRAE	Charleston Yeager Airport West Virginia	Manual J



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West Virginia	Jefferson	90	15	1.4	EASTERN WV RGNL SHE WV	ASHRAE	Martinsburg Eastern W.V. Regional Airport West Virginia	Manual J
West Virginia	Kanawha	89	15	1.2	YEAGER WV	ASHRAE	Charleston Yeager Airport West Virginia	Manual J
West Virginia	Lewis	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Lincoln	90	15	1.1	HUNTINGTON/TRI STAT WV	ASHRAE	Huntington Tri-State Airport West Virginia	Manual J
West Virginia	Logan	89	15	1.2	YEAGER WV	ASHRAE	Charleston Yeager Airport West Virginia	Manual J
West Virginia	Marion	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Marshall	86	5	1.6	Wheeling West Virginia	Manual J	Wheeling West Virginia	Manual J
West Virginia	Mason	92	6	1.9	Athens Ohio	Manual J	Athens Ohio	Manual J
West Virginia	McDowell	83	12	1.6	MERCER CO WV	ASHRAE	Bluefield Mercer Co. Airport West Virginia	Manual J
West Virginia	Mercer	83	12	1.6	MERCER CO WV	ASHRAE	Bluefield Mercer Co. Airport West Virginia	Manual J
West Virginia	Mineral	89	10	1.6	Cumberland Maryland	Manual J	Cumberland Maryland	Manual J
West Virginia	Mingo	90	15	1.1	HUNTINGTON/TRI STAT WV	ASHRAE	Huntington Tri-State Airport West Virginia	Manual J
West Virginia	Monongalia	87	12	1.5	MORGANTOWN MUNI WAL WV	ASHRAE	Morgantown Municipal Airport West Virginia	Manual J
West Virginia	Monroe	84	12	2.2	GREENBRIER VALLEY WV	ASHRAE	GREENBRIER VALLEY WV	ASHRAE
West Virginia	Morgan	90	15	1.4	EASTERN WV RGNL SHE WV	ASHRAE	Martinsburg Eastern W.V. Regional Airport West Virginia	Manual J
West Virginia	Nicholas	84	12	2.2	GREENBRIER VALLEY WV	ASHRAE	GREENBRIER VALLEY WV	ASHRAE
West Virginia	Ohio	86	5	1.6	Wheeling West Virginia	Manual J	Wheeling West Virginia	Manual J
West Virginia	Pendleton	91	16	1.0	Harrisonburg Virginia	Manual J	Harrisonburg Virginia	Manual J
West Virginia	Pleasants	88	12	1.4	MID OHIO VALLEY RGN WV	ASHRAE	Parkersburg Mid-Ohio Valley Regional Airport West Virginia	Manual J
West Virginia	Pocahontas	81	7	2.4	Hot Springs Ingalls Field Airport Virginia	Manual J	Hot Springs Ingalls Field Airport Virginia	Manual J
West Virginia	Preston	87	12	1.5	MORGANTOWN MUNI WAL WV	ASHRAE	Morgantown Municipal Airport West Virginia	Manual J
West Virginia	Putnam	89	15	1.2	YEAGER WV	ASHRAE	Charleston Yeager Airport West Virginia	Manual J
West Virginia	Raleigh	83	11	1.8	BECKLEY (RALEIGH CT WV)	ASHRAE	Beckley Raleigh Co. Memorial Airport West Virginia	Manual J
West Virginia	Randolph	84	7	2.2	ELKINS-RANDOLPH COU WV	ASHRAE	Elkins-Randolph Co. Airport West Virginia	Manual J
West Virginia	Ritchie	88	12	1.4	MID OHIO VALLEY RGN WV	ASHRAE	Parkersburg Mid-Ohio Valley Regional Airport West Virginia	Manual J
West Virginia	Roane	89	15	1.2	YEAGER WV	ASHRAE	Charleston Yeager Airport West Virginia	Manual J



# ENERGY STAR Certified Homes

## County-Level Design Temperature Reference Guide

State	County	1% Cooling Temperature (°F)	99% Heating Temperature (°F)	HDD/CDD Ratio	Weather Station Selected for Cooling Temperature	Reference	Weather Station Selected for Heating Temperature	Reference
West Virginia	Summers	83	11	1.8	BECKLEY (RALEIGH CT WV)	ASHRAE	Beckley Raleigh Co. Memorial Airport West Virginia	Manual J
West Virginia	Taylor	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Tucker	84	7	2.2	ELKINS-RANDOLPH COU WV	ASHRAE	Elkins-Randolph Co. Airport West Virginia	Manual J
West Virginia	Tyler	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Upshur	84	7	2.2	ELKINS-RANDOLPH COU WV	ASHRAE	Elkins-Randolph Co. Airport West Virginia	Manual J
West Virginia	Wayne	90	15	1.1	HUNTINGTON/TRI STAT WV	ASHRAE	Huntington Tri-State Airport West Virginia	Manual J
West Virginia	Webster	84	12	2.2	GREENBRIER VALLEY WV	ASHRAE	GREENBRIER VALLEY WV	ASHRAE
West Virginia	Wetzel	90	10	1.8	Clarksburg West Virginia	Manual J	Clarksburg West Virginia	Manual J
West Virginia	Wirt	88	12	1.4	MID OHIO VALLEY RGN WV	ASHRAE	Parkersburg Mid-Ohio Valley Regional Airport West Virginia	Manual J
West Virginia	Wood	88	12	1.4	MID OHIO VALLEY RGN WV	ASHRAE	Parkersburg Mid-Ohio Valley Regional Airport West Virginia	Manual J
West Virginia	Wyoming	83	12	1.6	MERCER CO WV	ASHRAE	Bluefield Mercer Co. Airport West Virginia	Manual J

### Wyoming

Wyoming	Albany	82	-3	6.6	LARAMIE RGNL WY	ASHRAE	LARAMIE RGNL WY	ASHRAE
Wyoming	Big Horn	95	-6	2.9	SOUTH BIG HORN CO WY	ASHRAE	SOUTH BIG HORN CO WY	ASHRAE
Wyoming	Campbell	92	-4	3.3	Gillette-Campbell Co. Airport Wyoming	Manual J	Gillette-Campbell Co. Airport Wyoming	Manual J
Wyoming	Carbon	88	-4	4.4	RAWLINS MUNICIPAL WY	ASHRAE	Rawlins Wyoming	Manual J
Wyoming	Converse	93	0	3.2	CONVERSE CO WY	ASHRAE	CONVERSE CO WY	ASHRAE
Wyoming	Crook	87	-12	3.1	Newcastle Wyoming	Manual J	Newcastle Wyoming	Manual J
Wyoming	Fremont	90	-3	3.2	RIVERTON WY	ASHRAE	Lander Hunt Field Wyoming	Manual J
Wyoming	Goshen	93	-8	2.9	TORRINGTON MUNI WY	ASHRAE	Torrington Wyoming	Manual J
Wyoming	Hot Springs	93	-10	2.9	Worland Municipal Airport Wyoming	Manual J	Worland Municipal Airport Wyoming	Manual J
Wyoming	Johnson	90	0	3.2	JOHNSON CO WY	ASHRAE	JOHNSON CO WY	ASHRAE
Wyoming	Laramie	87	2	3.6	CHEYENNE/WARREN AFB WY	ASHRAE	Cheyenne Municipal Airport Wyoming	Manual J
Wyoming	Lincoln	82	-13	11.1	BIG PINEY (AMOS) WY	ASHRAE	Big Piney Marbleton Airport Wyoming	Manual J
Wyoming	Natrona	91	-2	3.3	CASPER/NATRONA COUN WY	ASHRAE	Casper Natrona Co. International Airport Wyoming	Manual J
Wyoming	Niobrara	87	-12	3.1	Newcastle Wyoming	Manual J	Newcastle Wyoming	Manual J



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Wyoming	Park	88	-5	3.6	Cody Yellowstone Regional Airport Wyoming	Manual J	Cody Yellowstone Regional Airport Wyoming	Manual J
Wyoming	Platte	93	-8	2.9	CONVERSE CO WY	ASHRAE	Torrington Wyoming	Manual J
Wyoming	Sheridan	92	-6	3.4	Sheridan Co. Airport Wyoming	Manual J	Sheridan Co. Airport Wyoming	Manual J
Wyoming	Sublette	82	-13	11.1	BIG PINEY (AMOS) WY	ASHRAE	Big Piney Marbleton Airport Wyoming	Manual J
Wyoming	Sweetwater	85	0	4.4	ROCK SPRINGS SWEETW WY	ASHRAE	Rock Springs Sweetwater Co. Airport Wyoming	Manual J
Wyoming	Teton	82	-13	29.3	JACKSON HOLE WY	ASHRAE	Yellowstone Lake Bridge Bay Amphitheater Wyoming	Manual J
Wyoming	Uinta	84	-3	7.9	Evanston Wyoming	Manual J	Evanston Wyoming	Manual J
Wyoming	Washakie	93	-10	2.9	Worland Municipal Airport Wyoming	Manual J	Worland Municipal Airport Wyoming	Manual J
Wyoming	Weston	87	-12	3.1	Newcastle Wyoming	Manual J	Newcastle Wyoming	Manual J