

ASHRAE 99.6% HDB Temperature (°F)

Major U.S. Cities and State Capitals

These values represent dry-bulb temperatures corresponding to 99.6% annual cumulative frequency of occurrence (cold conditions), °F. These Climatic Design Conditions were extracted from the American Society of Heating, Refrigerating and Air Conditioning Engineers 2005 ASHRAE Handbook of Fundamentals. The values were obtained from various World Meteorological Organization (WMO) observing stations across the country.

Major U.S. Cities and State Capitals		
City (bold = capital)	State	ASHRAE 99.6% HDB Temperature (°F)
Akron	OH	0.1
Albany	NY	-2.9
Albuquerque	NM	15.9
Anaheim	CA	see Los Angeles, CA
Anchorage	AK	-10.7
Annapolis	MD	see Washington D.C.
Arlington	TX	see Dallas, TX
Atlanta	GA	18.8
Augusta	ME	-3.4
Aurora	CO	-1.1
Austin	TX	25.7
Babylon	NY	see Islip, NY
Bakersfield	CA	32.4
Baltimore	MD	12.3
Baton Rouge	LA	27.0
Birmingham	AL	18.6
Bismark	ND	-20.8
Boise	ID	1.6
Boston	MA	7.7
Brookhaven	NY	see Islip, NY
Buffalo	NY	2.2
Carson City	NE	see Reno, NE
Chandler	AZ	see Phoenix, AZ
Charleston	WV	6.7
Charlotte	NC	19.0
Chesapeake	VA	see Norfolk, VA



Cheyenne	WY	-6.2
Chicago	IL	-5.0
Chula Vista	CA	see San Diego, CA
Cincinnati	OH	5.1
Cleveland	OH	1.0
Colorado Springs	CO	-1.1
Columbia	SC	20.8
Columbus	OH	1.4
Concord	NH	-6.2
Corpus Christi	TX	32.5
Dallas	TX	19.9
Denver	CO	-4.0
Des Moines	IA	-7.8
Detroit	MI	0.2
Dover	DE	13.8
Durham	NC	16.3
El Paso	TX	22.0
Fort Wayne	IN	-3.6
Fort Worth	TX	19.9
Frankfort	KY	see Lexington, KY
Fresno	CA	30.7
Garland	TX	see Dallas, TX
Glendale	AZ	see Phoenix, AZ
Greensboro	NC	15.0
Harrisburg	PA	8.3
Hartford	CT	2.9
Helena	MT	-17.1
Hempstead	NY	see New York, NY
Henderson	NV	see Las Vegas, NV
Hialeah	FL	see Miami, FL
Honolulu	HI	60.8
Houston	TX	27.7
Indianapolis	IA	-1.8
Islip	NY	10.8
Jackson	MS	21.1
Jacksonville	FL	28.6
Jefferson City	MO	-0.3
Jersey City	NJ	see Newark, NJ
Juneau	AK	3.4



Kansas City	MO	-2.1
Lansing	MI	-3.5
Laredo	TX	33.2
Las Vegas	NE	28.9
Lexington	KY	4.5
Lincoln	NE	-6.3
Little Rock	AR	16.9
Long Beach	CA	40.8
Los Angeles	CA	43.9
Lubbock	TX	12.6
Madison	WI	-10.3
Memphis	TN	16.8
Mesa	AZ	see Phoenix, AZ
Miami	FL	46.3
Milwaukee	WI	-5.2
Minneapolis	MN	-14.9
Modesto	CA	30.4
Montgomery	AL	23.7
Montpelier	VT	-10.1
Nashville	TN	11.6
New Orleans	LA	30.6
New York	NY	12.8
Newark	NJ	10.3
Norfolk	VA	20.4
North Hempstead	NY	see New York, NY
Oakland	CA	37.5
Oklahoma City	OK	10.3
Olympia	WA	18.0
Omaha	NE	-8.1
Orlando	FL	37.4
Oyster Bay	NY	see New York, NY
Philadelphia	PA	11.6
Phoenix	AZ	37.2
Pierre	SD	-13.3
Pittsburgh	PA	1.8
Plano	TX	see Dallas, TX
Portland	OR	21.9
Providence	RI	6.1
Raleigh	NC	16.3



Reno	NE	8.8
Richmond	VA	14.7
Riverside	CA	see Los Angeles, CA
Rochester	NY	1.6
Sacramento	CA	31.1
Salem	OR	20.5
Salt Lake City	UT	7.0
San Antonio	TX	26.7
San Diego	CA	44.8
San Francisco	CA	37.8
San Jose	CA	35.7
Santa Ana	CA	see Los Angeles, CA
Santa Fe	NM	0.5
Scottsdale	AZ	see Phoenix, AZ
Seattle	WA	23.8
Springfield	IL	-3.3
St. Louis	MO	2.0
St. Paul	MN	-14.9
St. Petersburg	FL	42.6
Stockton	CA	30.4
Tallahassee	FL	24.9
Tampa	FL	36.6
Toledo	OH	-1.8
Topeka	KS	-1.6
Trenton	NJ	10.1
Tucson	AZ	31.6
Tulsa	OK	9.4
Virginia Beach	VA	see Norfolk, VA
Washington	D.C.	15.9
Wausau	WI	-13.0
Wichita	KS	2.6