

1323.0642 [Repealed, 39 SR 1616]

1323.0642 SECTION 6.4.2, CALCULATIONS.

Subpart 1. **6.4.2.1.1 Climatic data design conditions.** ASHRAE 90.1 section 6.4.2.1 is amended by adding a subsection to read as follows:

6.4.2.1.1 Climatic data design conditions. Climatic data design conditions for the calculation of heating and cooling loads shall be determined by using either item 1 or 2:

1. the climatic data in Table 6.4.2.1 for the city where the building is located or the nearest city listed in Table 6.4.2.1; or
2. the weather data published as a part of ASHRAE Standard 169-2013 at www.ASHRAE-meteo.info. The weather data for the city where the building is located or for the nearest available city shall be used. The data shall be used as follows:
 - (a) design temperatures shall be rounded to the nearest whole number;
 - (b) winter design conditions shall be the mean extreme annual temperature; and
 - (c) summer conditions shall be the one percent annual cooling design conditions.

Subp. 2. **Table 6.4.2.1. Climatic data design conditions.** ASHRAE 90.1 section 6.4.2.1 is amended by adding a table to read as follows:

TABLE 6.4.2.1
CLIMATIC DATA DESIGN CONDITIONS

City	Winter Design db °F	Summer db °F/ coincident wb
		°F
Aitkin	-28	82/72
Albert Lea	-19	86/72
Alexandria	-23	85/70
Bemidji	-30	82/67
Brainerd	-27	85/69
Cloquet	-24	82/68
Crookston	-28	84/70
Duluth	-23	81/67
Ely	-34	82/67
Eveleth	-31	82/67

Faribault	-21	88/73
Fergus Falls	-26	85/70
Grand Marais	-19	73/62
Grand Rapids	-25	82/67
Hibbing	-31	82/68
International Falls	-35	82/67
Litchfield	-20	86/72
Little Falls	-26	86/70
Mankato	-16	86/72
Minneapolis/St. Paul	-17	88/72
Montevideo	-19	88/73
Mora	-24	86/70
Morris	-23	86/72
New Ulm	-19	88/73
Owatonna	-19	86/72
Pequot Lakes	-31	85/68
Pipestone	-19	86/73
Redwood Falls	-19	88/73
Rochester	-19	85/72
Roseau	-31	84/72
St. Cloud	-24	86/71
Silver Bay	-28	82/66
Thief River Falls	-27	82/68
Tofte	-14	75/61
Virginia	-31	82/67
Warroad	-32	82/70
Wheaton	-23	86/72
Willmar	-22	86/72

Winona	-18	88/73
Worthington	-16	86/71

Db = dry bulb temperature, degrees Fahrenheit

Wb = wet bulb temperature, degrees Fahrenheit

Statutory Authority: *MS s 326B.02; 326B.101; 326B.106*

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