

7685.0130 ENERGY EFFICIENCY CRITERIA.

Subpart 1. **Cooling efficiency.** All systems must meet the cooling efficiency criteria established in this subpart.

A. The cooling efficiency of a new centrifugal or rotary screw chiller must be 0.61 kW/ton or less (or equivalent if other energy sources are used) at standard rating conditions specified in ARI Standard 550-1992.

B. The cooling efficiency of a previously used (existing) centrifugal or rotary screw chiller that has been rebuilt or modified must be 0.70 kW/ton or less (or equivalent if other energy sources are used) at standard rating conditions specified in ARI Standard 550-1992.

C. The coefficient of performance of a new absorption chiller must be at least 0.90 at standard rating conditions specified in ARI Standard 560-1992.

D. The cooling efficiency of district cooling systems must be at least one kW/ton based on seasonal performance of the district cooling system.

Subp. 2. **Noncompliance of CFC systems.** A system using CFC refrigerants does not comply with the energy efficiency criteria of this part.

Subp. 3. **Cooling efficiency certification.** The cooling efficiency of a system must be certified by a mechanical engineer registered in Minnesota using data provided by the equipment manufacturer.

Statutory Authority: *MS s 446A.21*

History: *18 SR 1443*

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