

ASHRAE Technical FAQ

ID 78

Question How can I calculate heating and cooling loads for a residential facility?

Use the methodology given in the [2017 ASHRAE Handbook - Fundamentals](#), Chapter [F17](#) or in [ACCA Manual J Eighth Edition](#).

Answer ASHRAE develops procedures and methods for calculating heating and cooling loads. These are documented in the Handbook of Fundamentals. The methods are adapted and expanded by software vendors and other organizations such as ACCA (Air Conditioning Contractors of America).

The handbook and/or individual chapters of the handbook may be purchased and downloaded at www.ashrae.org or by calling 1-800-527-4723 in the USA and Canada or 1-404-636-8400 worldwide.

ACCA information can be found at www.acca.org.

ASHRAE Pubs [2017 ASHRAE Handbook - Fundamentals](#), Chapter [F17](#)

Topic References load calculations, residential heating load, cooling load, size, tons

	Cognizant ASHRAE Committees	Refer to Organization
1	TC 4.1	ACCA
2		
3		
4		
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