

ASHRAE Technical FAQ

ID 21

Question Does ASHRAE have an easy method for heating and cooling load calculation?

Use the methodology given in the [2017 ASHRAE Handbook - Fundamentals](#), Chapter [F18](#).

Answer Although Chapter [F18](#) of the [2017 ASHRAE Handbook - Fundamentals](#) contains only heat balance and radiant time series methods of calculating cooling loads, other methods are provided in previous issues of the Fundamentals volume.

ASHRAE Technical Committee (TC) 4.1 has determined that time must be considered in the conversion of heat transfer to loads at cooling equipment. Although these can be determined through repetitious manual methods, the proliferation of desktop computers makes them a logical choice as a tool for calculating loads.

ASHRAE Pubs

- [2017 ASHRAE Handbook - Fundamentals, F18](#)
 - [Load Calculation Applications Manual](#)
 - [ASHRAE Standard 183-2007 \(RA2017\)](#), Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings
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Topic References load calculation, heating load, cooling load, size, tons

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