

Design Indoor Cooling Temp. : 75 °F
 Design Outdoor Cooling Temp. : 86 °F
 Temp. Difference Cooling : 11°F
 Indoor Humidity: 50 Grains difference: 29

Design Indoor Heating Temp. : 70 °F
 Design Outdoor Heating Temp. : 6 °F
 Temp. Difference Heating : 64°F

Area: Framingham, MA
 Front Door Orientation North

Whole House Load Calculator

TD: Cool: 11°F Heat: 64°F	Sq. ft. - types 1 and 2	shading	Sq. ft. - types 1 and 2	shading	Sq. ft. - types 1 and 2	Sq. ft.	
Outside Wall: North	1: 450 2:	Windows x	1: 50 2:	Glass Doors x	1: 2:	Doors 26	
Outside Wall: South	1: 450 2:	Windows L	1: 95 2:	Glass Doors L	1: 2:	Doors 26	
Outside Wall: E & W	1: 1360 2:	Windows L	1: 110 2:	Glass Doors L	1: 2:	Doors	
Outside Wall: NE & NW	1: 2:	Windows x	1: 2:	Glass Doors x	1: 2:	Doors	
Outside Wall: SE & SW	1: 2:	Windows L	1: 2:	Glass Doors L	1: 2:	Doors	
Sky Lights	N: S:	E-W: 24	NE-NW:	SE-SW:			
Floor - (linear ft. if slab)	1: 1500 2:	Basement	Walls-above grade:	below grade:	sq. ft.		
Ceiling	1: 750 2: 750	Basement	Floor --	width 23ft. or	feet below grade: 2 ft.		
Number of: Appliances	Fireplaces 0						
Number of People	4	Fresh air	recommended: 97cfm →	49	CFM		
Conditioned - Sq. ft.:	1900	Cubic. Ft.:	20790	Construction:	very tight	Duct system:	
Calculate Load		Total Btu's Cooling 20489		Sensible Load 18245		Latent Load 2244	
				Total Btu's Heating 42592			

Btu breakdown

	Sensible	Latent	Heating
walls	608		6079
windows	6408		9302
ceilings	3488		5856
doors	393		1198
floors	1822		11647
appliances	0		
people	920	800	
glass doors	0		0
skylights	3720		1644
basement walls	0		0
basement floor	0		0
infiltration	293	478	3415
fresh air	593	966	3450
duct load	0	0	0
Totals	18245	2244	42592

Structure types

Outside Walls 1: Siding or Stucco R21 insulation w/R6 board
 Outside Walls 2:
 Windows 1: double pane - blinds
 Windows 2:
 Glass Doors 1:
 Glass Doors 2:
 Floors 1: closed or vented crawl tile no insulation
 Floor 2:
 Ceiling 1: Ceiling under attic space R-25
 Ceiling 2: Ceiling under roof joists R-11
 Doors: Metal with storm
 Skylights: skylight double pane 45 degree angle
 Basement Walls:
 Basement Floor:
 Win ht.: 5' 0" Overhang: 1.5' Top to overhang: 2'