

## HEATING LOAD CALCULATION SHEET 65 DEGREE DESIGN TEMP DIFFERENCE

Job #:			City:		
Client:			Design Temp:		
Address:			Temp Difference:		
House in square feet:			Volume:		
Exposure	Construction #	HTM	Total area	BTU/H loss	
<b>A: Gross Area</b>	1				X
Exposed Walls	2				X
And Partitions	3				X
	4				X
<b>B: Glass: Doors</b>	1				
Windows	2				
	3				
	4				
<b>C: Doors</b>	5				
	6				
<b>D: Net Area</b>	1				
Exposed Walls	2				
And Partitions	3				
	4				
<b>E: Ceilings</b>	1				
	2				
<b>F: Floors or Crawl Walls</b>	1				
	2				
<b>G: Infiltration</b>					
CFM50	/ _____	= CFM4	X 1.1	X 65	
<b>H: SUB TOTAL LOSS:</b> Glass, Doors, Net Walls, Ceilings, Floors Or Crawl Walls and Infiltration					
<b>I: DUCTS:</b>	<b>WALL INSULATION</b>				
<b>HEAT LOSS FACTOR</b>	<b>CORRECTION</b>		<b>MULTIPLIER</b>		
<b>J: Total BTU/H Loss—Entire House</b>					

**INFILTRATION LOAD:****Exposure**

Stories	1	2	3	4	5
1	11.6	12.5	13.6	14.9	16.9
2	9.2	9.7	10.4	11.2	12.2
3	7.9	8.3	8.8	9.3	10.0

**DUCT LOAD: HEAT LOSS FACTOR****LOCATION 1: VENTED ATTIC/ KNEE WALL SPACE****FLOOR AREA OF CONDITIONED SPACE**

SYSTEM TYPE	1000	1500	2000	2500	3000
Trunk & Branch	.16	.19	.20	.22	.24
Radial	.08	.10	.12	.13	.14

**WALL INSULATION CORRECTION**

WALL R	R-0	R-2	R-4	R-6	R-8
TRUNK/B	NA	1.85	1.24	1.00	0.85
RADIAL	NA	1.99	1.37	1.00	0.87

**LOCATION 2: UNCONDITIONED BASEMENT OR CLOSED CRAWL****FLOOR AREA OF CONDITIONED SPACE**

SYSTEM TYPE	1000	1500	2000	2500	3000
Trunk & Branch or Radial	.07	.09	.10	.11	.11

**WALL INSULATION CORRECTION**

WALL R	R-0	R-2	R-4	R-6	R-8
SCALER	NA	1.74	1.20	1.00	0.89

**LOCATION 3: GARAGE****FLOOR AREA OF CONDITIONED SPACE**

SYSTEM TYPE	1000	1500	2000	2500	3000
Trunk & Branch	.26	.30	.34	.36	.41
Radial	.18	.20	.25	.28	.34

**WALL INSULATION CORRECTION**

WALL R	R-0	R-2	R-4	R-6	R-8
TRUNK/B	NA	2.17	1.31	1.00	0.86
Radial	NA	2.45	1.34	1.00	0.83

**LOCATION 4: BELOW SLABFLOOR AREA OF CONDITIONED SPACE**

SYSTEM TYPE	1000	1500	2000	2500	3000
Radial	.04	.05	.05	.06	.06

**WALL INSULATION CORRECTION (ATTIC RETURN)**

WALL R	R-0	R-2	R-4	R-6	R-8
SCALER	NA	1.25	1.07	1.00	0.88