

# Manual J Load Calculation

Customer Name: \_\_\_\_\_

Job #: \_\_\_\_\_

1. Winter Outside Design Temperature (From Table 1)
2. Dwelling Temperature Design
3. Design Temperature Difference (2-1) (Use 60 as per G.O.E.O.)
4. Above Grade Volume
5. Estimated Natural Air Changes per Hour (Pre Test Reading)

11
70
60
0
2

BUILDING COMPONENT		SURFACE AREA (in Sq. Feet)	HEAT TRANSFER MULTIPLIER	HEATING LOAD (in BTU/hr.)
1. Single Pane Window:	1. N/A		0.0	0
2. Single Pane Window & Storm:	1. N/A		0.0	0
3. Double Pane Window:	1. N/A		0.0	0
4. Double Pane Window & Storm:	1. N/A		0.0	0
5. Triple Pane Windows:	1. N/A		0.0	0
6. Jalousie Windows:	1. N/A		0.0	0
7. Skylights:	1. N/A		0.0	0
8. Sliding Glass Doors:	1. N/A		0.0	0
9. French Doors:	1. N/A		0.0	0
10. Wood Doors:	1. N/A		0.0	0
11. Metal Doors:	1. N/A		0.0	0
12. Wood Frame Exterior Walls with Sheathing and Siding or Brick, or Other Exterior Finish:	1. N/A		0.0	0
13. Frame or Masonry Partitions Between a Conditioned and an Unconditioned Space:	Use HTM From Construction #12 or #14.		0.0	0
14. Masonry Walls, Block or Brick, Finished or Unfinished A/G:	1. N/A		#N/A	#N/A
15. Masonry Walls, Block or Brick, Finished or Unfinished B/G:	1. N/A		0.0	0
16. Ceilings Under a Ventilated Attic Space or Unheated Room:	1. N/A		0.0	0
17. Roof on Exposed Beams or Rafters:	1. N/A		0.0	0
18. Roof-Ceiling Combination:	1. N/A		0.0	0
19. Floors Over an Unheated Basement, Enclosed Crawl Space, or Crawl Space With Closable Vents:	1. N/A		0.0	0
20. Floors Over an Open Crawl Space or Garage:	1. N/A		0.0	0
21. Basement Doors:	1. N/A		0.0	0
22. Concrete Slab on Grade:	1. N/A		0.0	0
23. Concrete Slab with Perimeter Warm Air Duct System:	1. N/A		0.0	0
				0
				0
				0
				0
				0
				0
24. Building Component Heating Load				#N/A
25. Infiltration Losses (Volume x estimated natural infiltration x design temperature difference x 0.167)				0
<b>TOTAL DESIGN HEAT LOAD</b>				<b>#N/A</b>

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