

Right-J Worksheet

←

→

prev zone



Room name

Entire House

Exposed wall

240.0 ft

Ceiling height

8.0

Room dimensions

Room area

1750.0 ft²

Ty	Construction number Select any cell then click here	U-value	Or	HTM (Btu/h/ft²)		Area (ft²) or perimeter (ft)		Load (Btu/h)	
				Heat	Cool	Gross	N/P/S	Heat	Cool
W	15B-10afc-2	0.083	n	0.305	1.129	560	492	189	397
	1D-c2cw	0.570	n	2.850	19.32	40	0	114	773
	11D0	0.390	n	1.950	11.19	28	28	55	313
	15B-10afc-2	0.083	w	0.305	1.129	400	368	142	303
	1D-c2cw	0.570	w	2.850	41.39	32	0	91	1965
	15B-10afc-2	0.083	w	0.305	1.129	560	484	185	388
	1D-c2cw	0.570	w	2.850	21.64	48	0	137	1039
	11D0	0.390	w	1.950	11.19	28	28	55	313
	15B-10afc-2	0.083	w	0.305	1.129	400	384	148	321
	1D-c2cw	0.570	w	2.850	41.39	16	0	46	982
	16B-30ad	0.032	-	0.160	1.670	875	875	140	1462
F	21B-26t	0.015	-	0.075	0.000	875	120	66	0
Total room load								2923	12031
Air required (cfm)								505	505

Manual J Calculation Air Conditioners

R Barnett



Manual J Calculation Air Conditioners:

Manual J - Residential Load Calculation Hank Rutkowski, 2011-11-01 Manual J 8th Edition is the national ANSI recognized standard for producing HVAC equipment sizing loads for single family detached homes small multi unit structures condominiums town houses and manufactured homes This new version incorporates the complete Abridged Edition of Manual J The manual provides quick supplemental details as well as supporting reference tables and appendices A proper load calculation performed in accordance with the Manual J 8th Edition procedure is required by national building codes and most state and local jurisdictions

Residential Load Calculation Hank Rutkowski, 2001-12-12 *Residential Load Calculation* Hank Rutkowski, 1986

Audel HVAC Fundamentals, Volume 1 James E. Brumbaugh, 2012-07-02 A reference you'll warm up to From the background and basics of heating systems to the newest chip based technology this first volume of Audel's HVAC Library gives you comprehensive information you need on the job Whether you're installing servicing repairing or troubleshooting an old or new heating system you'll find what you're looking for from wood and coal furnace maintenance to new calculations and the latest environmental technologies and regulations Review the basics of installation wiring and troubleshooting for different HVAC systems Choose the correct system for the space climate and needs Compare the economy and efficiency of various fuel types Install maintain and troubleshoot conversion units Find formula cross references data tables with conversions and listings of trade organizations and equipment manufacturers

What size AC system do I need for my home ? Charles Nehme, Choosing a new air conditioning system for your home is one of the most significant and costly decisions a homeowner will make Yet for too long this process has been shrouded in technical mystery and often reduced to guesswork The conventional wisdom or lack thereof has resulted in millions of American homes being cooled by systems that are either oversized or undersized An oversized unit doesn't just waste energy it short cycles failing to run long enough to properly dehumidify your home leaving the air feeling clammy and uncomfortable An undersized unit runs endlessly struggling to keep up during the hottest months leading to high utility bills and premature system failure Neither scenario provides the comfort and efficiency you paid for This book is a homeowner's essential guide to conquering the guessing game of HVAC sizing We strip away the jargon and walk you through the precise science backed methodology used by professionals the Manual J Load Calculation By the end of this journey you won't just know what size AC you need you'll understand why a critical distinction that empowers you to work confidently with contractors and ensure your home is perfectly cooled for decades to come Comfort efficiency and peace of mind are within your reach

Manual J Hank Rutkowski, Air Conditioning Contractors of America, 1986

Load Calculation for Residential Winter and Summer Air Conditioning, 1986

Building Technology Benjamin Stein, 1996 The complete guide to building technology This comprehensive guide provides complete coverage of every aspect of the building technologist's profession It details design and installation procedures describes all relevant equipment and hardware and illustrates the preparation of working

drawings and construction details that meet project specifications code requirements and industry standards The author establishes procedures for professional field inspections and equipment operations tests provides real world examples from both residential and nonresidential construction projects and makes specific references to code compliance throughout the text This new edition incorporates changes in building codes advances in materials and design techniques and the emergence of computer aided design CAD while retaining the logical structure and helpful special features of the first edition More than 1 100 drawings tables and photographs complement and illustrate discussions in the text Topics covered include Heating ventilating and air conditioning systems equipment and design Plumbing systems equipment and design Electrical and lighting systems equipment and design Testing adjusting and balancing procedures for all building systems Every aspect of the building technologist s profession from the creation of working drawings through on site supervision and systems maintenance Extensive appendices include conversion factors duct design data test report forms for use in field work design forms and schedules for electrical HVAC and plumbing work and more

Letter (1903-1904) and Research Notes Regarding Dunning Families of Cumberland and York Counties, Pa , Heating and Air Conditioning Tips for Homeowners Lloyd Edwards, 2009-04-11 The purpose of this book is to simplify the different heating and air conditioning systems and their components by providing elementary text on the relationships and operation of indoor comfort equipment The author has taken the utmost care to present this subject in thorough yet simple nontechnical language Everyone regardless of his or her technical aptitude will be able to diagnose and repair some problems with their Heating and Air conditioning system This book offers troubleshooting procedures maintenance tips and details which can help to extend the life of your heating and air conditioning system It includes all technical terms with illustrations and definitions of heating and cooling systems from oil furnaces to heat pumps

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