



Sky Heating's HVAC Ductwork Sizing Guide

ROUND DUCT SIZE ESTIMATE

Flexible Duct

Duct Size	Design Airflow
5"	50
6"	75
7"	110
8"	160
9"	225
10"	300
12"	480
14"	700
16"	1000
18"	1300
20"	1700

Flex duct = .05" on most metal duct calculator

Round Metal Pipe

Duct Size	Design Airflow
5"	50
6"	85
7"	125
8"	180
9"	240
10"	325
12"	525
14"	750
16"	1200
18"	1500
20"	2000

Round metal pipe = .06" on most metal duct calculators

RECTANGULAR DUCT SIZE ESTIMATE

Duct Height - Net inside dimension in inches

Design CFM	4"	CFM	6"	CFM	8"	CFM	10"	CFM	12"
60	6x4	60	4x6	90	4x8	120	4x10	150	4x12
90	8x4	110	6x6	160	6x8	215	6x10	270	6x12
120	10x4	160	8x6	230	8x8	310	8x10	400	8x12
150	12x4	215	10x6	310	10x8	430	10x10	550	10x12
180	14x4	270	12x6	400	12x8	550	12x10	680	12x12
210	16x4	320	14x6	490	14x8	670	14x10	800	14x12
240	18x4	375	16x6	580	16x8	800	16x10	950	16x12
270	20x4	430	18x6	670	18x8	930	18x10	1100	18x12
300	22x4	490	20x6	750	20x8	1060	20x10	1250	20x12
330	24x4	540	22x6	840	22x8	1200	22x10	1400	22x12
		600	24x6	930	24x8	1320	24x10	1600	24x12
		650	26x6	1020	26x8	1430	26x10	1750	26x12
		710	28x6	1100	28x8	1550	28x10	1950	28x12
		775	30x6	1200	30x8	1670	30x10	2150	30x12
40	21/2 x10			1300	32x8	1800	32x10	2300	32x12
70	21/2 x14			1400	34x8	1930	34x10	2450	34x12
150	21/2 x30			1500	36x8	2060	36x10	2600	36x12
		100	31/2 x14			2200	38x10	2750	38x12
		220	31/2 x30			2350	40x10	2900	40x12
								3050	42x12

Rectangular sheet metal duct = .07" on most metal duct calculators

Air Cond Cheat Sheet Duct Sizing Guide

Billy C. Langley

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Air Cond Cheat Sheet Duct Sizing Guide:

CIBSE Guide C: Reference Data Cibse,2007-06-07 Guide C Reference Data contains the basic physical data and calculations which form the crucial part of building services engineer background reference material Expanded and updated throughout the book contains sections on the properties of humid air water and steam on heat transfer the flow of fluids in pipes and ducts and fuels and combustion ending with a comprehensive section on units mathematical and miscellaneous data There are extensive and easy to follow tables and graphs

Fine Tuning Air Conditioning & Refrigeration

Systems Billy C. Langley,2001-09-30 This comprehensive hands on manual covers all of the procedures necessary to fine tune HVAC R systems for optimum operating efficiency Easy to follow guidelines and worksheets guide readers through each step of the process giving them the tools they need to assure that equipment can operate at peak efficiency as designed by the manufacturer The full spectrum of systems and equipment are covered including electric heating gas heating oil burners air conditioning systems heat pumps and refrigeration equipment A wealth of helpful diagrams illustrations estimating tools and worksheets are also provided Multiple tear out copies of each worksheet are provided for use on the job

HVAC/R Terminology: A Quick Reference Guide Richard Wirz,2009-04-01 This one of a kind HVAC R technical reference guide incorporates all the HVAC R technical terms used in the industry today and is an indispensable resource for professionals dealing with electricity controls refrigeration cycle heating psychometrics boilers heat pumps heat transfer load calculations and more Covers the entire industry providing the most comprehensive collection of HVAC R terms available in one concise location For those just starting in and seasoned veterans of the HVAC R industry The 71 pages of appendices include common industry association abbreviations business computer and medical terminology area of circles color codes for resistors CFM tables decibel ratings hazardous time exposure of common noises duct sizing conversion charts and much much more

Air Conditioning Engineering W Peter Jones,2007-08-31 Designed for students and professional engineers the fifth edition of this classic text deals with fundamental science and design principles of air conditioning engineering systems W P Jones is an acknowledged expert in the field and he uses his experience as a lecturer to present the material in a logical and accessible manner always introducing new techniques with the use of worked examples

Air-conditioning System

Design Manual Walter T. Grondzik,2007 The Air Conditioning Manual assists entry level engineers in the design of air conditioning systems It is also usable in conjunction with fundamental HVAC R resource material as a senior or graduate level text for a university course in HVAC system design The manual was written to fill the void between theory and practice to bridge the gap between real world design practices and the theoretical calculations and analytical procedures or on the design of components This second edition represents an update and revision of the manual It now features the use of SI units throughout updated references and the editing of many illustrations Helps engineers quickly come up with a design solution to a required air conditioning system Includes issues from comfort to cooling load calculations New sections on Green HVAC

systems deal with hot topic of sustainable buildings *MEP Load Calculation Quick Reference & toolkit* Charles Nehme, In the complex and ever evolving world of building design the accurate calculation of mechanical electrical and plumbing MEP loads is not merely a technical step it s the foundation of a successful project Whether ensuring a building is comfortable and energy efficient or guaranteeing its systems can handle peak demand precise load calculations are paramount This book MEP Load Calculation Quick Reference it s a field guide designed to be your go to reference for tackling real world challenges in MEP design **Refrigeration Engineering** ,1936 English abstracts from Kholodil naia tekhnika **Faber & Kell's Heating & Air-conditioning of Buildings** Doug Oughton,Steve Hodkinson,2008-02-29 First Published in 2008 Routledge is an imprint of Taylor Francis an informa company **Handbook of Air Conditioning System Design** Carrier Corporation. Carrier Air Conditioning Company,1965 HVAC Quality Assurance Quick Reference Checklist Toolkit Charles Nehme, In the complex and ever evolving world of building systems the quality of an HVAC installation is paramount It is the silent guardian of a building s comfort efficiency and safety A single oversight in design a minor lapse during installation or a simple misstep in commissioning can lead to a cascade of problems from soaring energy bills and occupant complaints to critical system failures and costly rework The challenge lies in managing the intricate details of a project from the initial design review to the final handover while ensuring every component meets the highest standards This book HVAC Quality Assurance Quick Reference Checklist Toolkit is designed to meet that challenge head on It is not a textbook filled with theory but a practical on the go companion for every professional involved in the HVAC lifecycle It distills decades of industry experience into actionable checklists and quick reference guides providing a systematic approach to quality assurance QA and quality control QC Our goal is to empower you with the tools to identify and correct issues before they become problems ensuring that every project you touch is a testament to excellence Whether you are in the field on a construction site or in a project management office this toolkit offers a structured framework to achieve consistent high quality results It is built on the belief that a proactive approach to quality is not just a best practice it is the foundation of a successful and respected career

Air Cond Cheat Sheet Duct Sizing Guide Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Air Cond Cheat Sheet Duct Sizing Guide**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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