

# DUCT QUANTITY TAKE-OFF

## FROM HVAC SHOP-DRAWINGS

**ALSO CALCULATE NO. OF GI SHEET REQUIRED**

Gross Weight		Net Weight				Duct Area		Insulation Area	
(kg)	(lb)	(kg)	(lb)			m <sup>2</sup>	(ft <sup>2</sup> )	m <sup>2</sup>	(ft <sup>2</sup> )
110	244	919	2034			122	1313	122	1313
Gauge	16	24	32	36	48	60	72	84	92
kg	68	82	114	154	24	34	44	54	64
Input									
Section	Width	Height	Length	Area	Gauge	Thick.	Weight	Weight	
	(mm)	(mm)	(m)	(m <sup>2</sup> )	(G)	(mm)	(kg/m <sup>2</sup> )	(kg)	
1	300	250	3.3	4.3	16	0.76	1.940	23.8	
2	300	350	4.56	7.8	22	0.271	0.800	79.2	
3	600	350	5.58	10.6	22	0.271	0.800	72.3	
4	850	400	10.59	26.1	22	0.271	0.800	181.4	
5	1300	500	8.1	26.2	26	1.066	8.180	235.6	
6	850	400	3.21	9.4	22	0.271	0.800	64.3	
7	750	400	4.3	14.3	22	0.271	0.800	99.1	



# Hvac Quantity Takeoff Guide

**R S Means Company, R. S. Means  
Company Staff**

A red circular graphic with a gradient, appearing as a partial circle or a thick curved line, located to the right of the author text.

## **Hvac Quantity Takeoff Guide:**

HVAC Procedures & Forms Manual, Second Edition Wendes, 2020-12-22 Developed over the course of many years of on the job projects involving HVAC energy auditing testing balancing and cost estimating and refined through feedback from thousands of engineers and technicians who have used them the forms contained in this manual are concise comprehensive and optimally organized for easy reference Complete sets of forms are provided for all aspects of testing and balancing energy auditing indoor quality diagnosis and load calculations The first edition entitled HVAC Energy Audit Balancing Forms Manual compiled these time saving forms for the first time in a single reference This enhanced second edition adds a new chapter on technical management providing procedures for achieving thorough systematic and accurate problem solving troubleshooting and decision making in building systems management and contracting

**HVAC Procedures and Forms Manual** Herbert Wendes, 2002 Developed over the course of many years of on the job projects involving HVAC energy auditing testing balancing and cost estimating and refined through feedback from thousands of engineers and technicians who have used them the forms contained in this manual are concise comprehensive and optimally organized for easy reference Complete sets of forms are provided for all aspects of testing and balancing energy auditing indoor quality diagnosis and load calculations The first edition entitled HVAC Energy Audit Balancing Forms Manual compiled these time saving forms for the first time in a single reference This enhanced second edition adds a new chapter on technical management providing procedures for achieving thorough systematic and accurate problem solving troubleshooting and decision making in building systems management and contracting

**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

**Means Mechanical Estimating Methods: Takeoff & Pricing for HVAC & Plumbing, Updated 4th Edition** Melville Mossman, 2007-08-23 An easy to use tool for estimating heating ventilating and air conditioning systems with up to date cost data and estimating examples This all in one reference gives you the accepted standards and procedures for takeoff and pricing HVAC systems as well as piping plumbing and fire protection Includes all of the major mechanical systems in new building construction The book will show you how to Evaluate mechanical plans and specs so you can estimate all cost components Measure quantify and perform takeoffs for materials labor and equipment Identify and correctly apply direct and indirect costs including overhead and

profit Use forms to improve accuracy and efficiency with electronic forms now available on the book's own website Compare materials and methods and select the most cost effective way to get the job done Train new estimators with clear instructions for estimating the mechanical trades Make the best use of RSMeans Mechanical Cost Data and RSMeans Plumbing Cost Data Organized for easy reference the book gives you quick access to whatever aspect of mechanical estimating you need It includes a glossary of mechanical terms and definitions plus symbols used on mechanical plans useful formulas checklists and conversion tables

Mechanical Estimating Manual Joseph D'Amelio, 2021-01-21 First published in 2006 Clear practical and comprehensive this mechanical estimating manual provides an indispensable resource for contractors estimators owners and anyone involved with estimating mechanical costs on construction projects including a wealth of labor and price data formulas charts and graphs Covering timeproven methodologies and procedures it offers the user a full range of readytouse forms detailed estimating guidelines and numerous completed examples You ll learn from leading experts how to produce complete and accurate sheet metal piping and plumbing estimates both quickly and easily The manual will also be of value to supervisors mechanics builders general contractors engineers and architects for use in planning and scheduling work budget estimating cost control cost accounting checking change orders and various other aspects of mechanical estimating 2006

*National Plumbing & HVAC Estimator* James A. Thompson, 2005-10

*Construction Site Coordination and Management Guide* A. Samer Ezeldin, Ahmed M. Alhady, 2018-05-30 This book provides construction practitioners with the knowledge they need to successfully coordinate and manage construction projects Coordination and management are essential functions in the building procedure Recent research has demonstrated that poor or inadequate coordination is the best that is accomplished on construction sites Nevertheless not many writers of construction project management have examined this essential subject Between project goals and the reality on the ground exist a huge number of conditions that can affect the progress of a project and that is the reason a dynamic ramification amid the development time frame is significant This book provides construction practitioners with the knowledge they need to successfully coordinate and manage construction projects It highlights different construction processes required to enhance their practical performance in particular and further the construction industry in general

*Practical Guide to Cost Segregation* Paul G. DiNardo, Shirley C. Baldwin, Cathy A. Harris, 2008

*Building Construction Cost Data*, 2000

*Contractor's Pricing Guide* R S Means Company, R. S. Means Company Staff, 1999

*Means Labor Rates for the Construction Industry*, 1996

**Means Plumbing Cost Data, 1996** R.S. Means Company, 1995-12 Comprehensive unit prices and assemblies for plumbing irrigation systems commercial and residential fire protection point of use water heaters and the latest approved materials are featured This publication and its companion Means Mechanical Cost Data provide full range cost estimating coverage for all the mechanical trades

Handbook of HVAC Design Nils R. Grimm, Robert C. Rosaler, 1990 Formerly titled Handbook of HVAC Design the new edition of this well known reference offers HVAC engineers designers and technicians full coverage of all

important aspects of the design operation and maintenance of heating ventilating and air conditioning HVAC systems Two thirds of the handbook has been revised and rewritten and it now features contributions from experts at top companies such as York Rockwell Honeywell and Sverdrup The book will enable users to produce very efficient and economical systems select and install today s most advanced equipment maintain high system performance comply with key codes and standards and understand the environmental impact of HVAC design     Means Building Construction Cost Data ,1994     *Means Building Construction Cost Data, 1995* R. S. Means Company, Incorporated,1994 The acknowledged bible of the industry this reference tool offers unchallenged unit price reliability in an easy to use arrangement Whether used for complete finished estimates or for periodic checks it supplies more cost facts better and faster than any comparable source over 20 000 unit prices for 1995 Unit cost data is organized to conform to the Construction Specifications Institute CSI MasterFormat

*Means Open Shop Building Construction Cost Data, 1997* Means, R. S., Staff,R S Means Company,1996-11 The latest costs for accurate budgeting and estimating of new commercial and residential construction renovation work change orders cost engineering Personal help when you need it Should you need assistance to apply Means data to your work just call the Means Estimating Hotline There s no charge for this service to you as a subscriber Means Open Shop Building Construction Cost Data Service will assist you to Develop benchmark prices for change orders Plug gaps in preliminary estimates budgets Double check your figures Estimate complex projects Substantiate invoices on contracts Price ADA related renovations Estimate projects anywhere in the U S and major locations in Canada     RS Means Electrical Cost Data ,1998     Heavy Construction Cost Data ,2001     Construction Graphics Keith A. Bisharat,2025-03-18 Learn how managers of the construction process use construction graphics to analyze evaluate and organize the labor equipment and materials required to fulfill the design professionals instructions regarding a project Construction drawings are in their essence a set of goals the graphic and written instructions provided by architects and engineers to construction professionals that adequately manifest the outcomes sought for a project Construction professionals translate those instructions into discreet processes and sequences of work to which values in both time and money can be attributed Construction Graphics has long stood as the essential treatment of this subject from the constructor s point of view Now updated from the second edition the third edition reflects advances in technology and project delivery systems and offers an analysis of how the ideas discussed throughout the text might be applied in the context of one system in a commercial building Construction Graphics continues to be an indispensable volume for anyone managing construction work Readers of the third edition of Construction Graphics will also find Enhanced treatment of technology as it operates in construction project delivery and the relationship between design professionals and builders Exercises at the end of each chapter with detailed answers in a helpful appendix Illustrations and figures throughout to emphasize key concepts Construction Graphics is ideal for students in construction management construction engineering architecture architectural engineering project management and interior design programs in

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