

ASHRAE POCKET GUIDE

for Air Conditioning, Heating, Ventilation, Refrigeration

I-P

10th Edition



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PREFACE

The ASHRAE Pocket Guide was developed to serve as a ready, offline reference for engineers without easy access to complete ASHRAE Handbook volumes.

This tenth edition has been revised in 2022 to include updates from the current editions of the ASHRAE Handbook series as well as from various ASHRAE standards. This edition continues to emphasize basic design information.

The ASHRAE Pocket Guide was first published in 1987. This edition was compiled by Walter Grondzik. Major contributors to previous editions include Carl W. MacPhee; Griffith C. Burr, Jr.; Harry E. Rountree; and Frederick H. Kohloss.

Throughout this Pocket Guide, original sources of figures and tables are indicated where applicable. Due to space constraints, a shorthand for ASHRAE publications has been adopted. ASHRAE sources are noted after figure captions or table titles in brackets using the following abbreviations:

Fig	Figure
Tbl	Table
Ch	Chapter
Std	ASHRAE Standard
Gdl	ASHRAE Guideline
2021F, 2017F, etc	*ASHRAE Handbook—Fundamentals*
2020S, 2016S, etc.	*ASHRAE Handbook—HVAC Systems and Equipment*
2019A, 2015A, etc.	*ASHRAE Handbook—HVAC Applications*
2018R, 2014R, etc.	*ASHRAE Handbook—Refrigeration*

Complete entries for all references cited in tables and figures are available in the original source publications.