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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Experimental Facility for Two-Phase Flow Measurement -- Properties of Refrigerant, Oil and Their Mixture -- Two-Phase Flow in Accumulator -- Two-Phase Flow in Compressor -- Two-Phase Flow in Adiabatic Capillary Tube for R-134a Cycles -- Two-Phase Flow in Non-Adiabatic Capillary Tube for CO ₂ Cycles -- Two-Phase Flow in Internal Heat Exchangers -- Two-Phase Flow and System Performance -- Appendix -- Index.
Sommario/riassunto	This critical volume presents recent developments from the authors' extensive research programs on two-phase flow in refrigeration systems. This book covers advanced mass and heat transfer and vapor compression refrigeration systems and shows how the performance of an automotive air-conditioning system is affected through results obtained experimentally and theoretically, specifically with consideration of two-phase flow and oil concentration. This book also: <ul style="list-style-type: none"> · Illustrates criticality of two-phase flow and oil concentration of refrigeration systems to performance of refrigeration systems · Presents new understanding of two-phase flow aimed at engineers designing efficient refrigeration systems · Provides

experimentally and theoretically derived results on performance of automotive air-conditioning systems · Includes abundant field and test data from commercial-scale refrigeration components · Features over 100 illustrations Two-Phase Flow in Refrigeration Systems is ideal for university postgraduate students as a textbook, researchers and professors as an academic reference book, and by engineers and designers as a handbook.
