



TRANE®

It's Hard To Stop A Trane.®

INSTALLER'S GUIDE

Model: **TTR018D, TTR025-036C,
& TTR042-60D**

18-AC41D16-5

Library _____
Product Section _____
Product _____
Model _____
Literature Type _____
Sequence _____
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Supersedes _____

Condensing Units

IMPORTANT — This Document is customer property and is to remain with this unit. Please return to service information pack upon completion of work.

These instructions do not cover all variations in systems nor provide for every possible contingency to be met in connection with installation. All phases of this installation must comply with **NATIONAL, STATE AND LOCAL CODES**. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to your installing dealer or local distributor.

A. GENERAL

NOTICE: These outdoor units may be used with indoor units equipped with Capillary Tube, Thermostatic Expansion Valve or the Accutron™ Flow Control Check Valve (F.C.C.V.) assembly for refrigerant flow control.

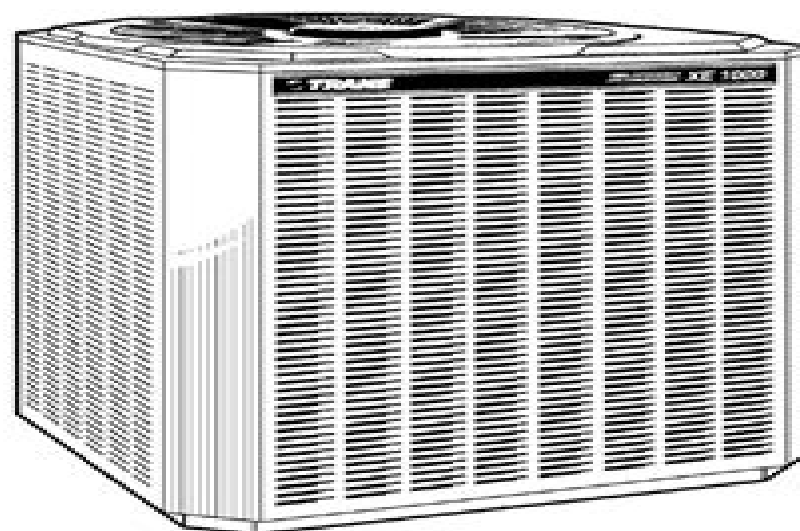
Check for transportation damage after unit is uncrated. Report promptly, to the carrier, any damage found to the unit.

To determine the electrical power requirements of the unit, refer to the nameplate of the unit. The electrical power available must agree with that listed on the nameplate.

B. LOCATION & PREPARATION OF THE UNIT

1. The unit should be set on a level support pad at least as large as the unit base pan.
2. The support pad must **NOT** be in direct contact with any structure. The unit must be positioned a minimum of 12" from any wall or surrounding shrubbery to insure adequate airflow. A 30" clearance must be provided in front of control box (access panels) & any other side requiring service access to meet National Electrical Code. The unit must be far enough away from any structure to prevent excess roof run-off water from pouring directly on the unit.
3. The top discharge area must be unrestricted for at least five (5) feet above the unit.
4. When the outdoor unit is mounted on a roof, be sure the roof will support the unit's weight. Properly selected vibration isolators are recommended to prevent transmission to the building structure.
5. The maximum length of refrigerant lines from outdoor to indoor unit should **NOT** exceed eighty (80) feet.

1 TOP DISCHARGE — UNRESTRICTED 5 FT. ABOVE UNIT



6. If the outdoor unit is mounted above the air handler, maximum lift should not exceed sixty (60) feet (suction line). If air handler is mounted above the condensing unit, maximum lift should not exceed sixty (60) feet (liquid line).

NOTE: Refer to "Refrigerant Piping Guide", Pub. No. 22-3238-01.

7. Locate and install indoor coil or blower coil in accordance with instruction included with that unit.

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Terra Wellington



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Heating, Ventilating, Air Conditioning Guide ,1925 Troubleshooting Guide to Residential Construction

Steven Bliss,2005-08-26 Avoid pitfalls with these expert tips techniques for diagnosing and preventing the most common residential building defects More than 50 experts in the field describe their proven techniques for preventing building problems *The Mom's Guide to Growing Your Family Green* Terra Wellington,2025-09-23 With the multitude of green choices available how can moms determine what will be best for their families and the environment Terra Wellington has the answers This user friendly and invaluable resource is packed with hundreds of easy green how tos including Shopping Get the most bang for your buck by purchasing organic foods that would otherwise have high pesticide residue like apples grapes green peppers peaches and pears Kitchen Save money and water by scraping not rinsing dishes before putting them in the dishwasher Today s models are so efficient that rinsing is not necessary Home office Screensavers don t save energy Instead have the computer switch to sleep mode when idle **User's Guide to Natural Gas Technologies** F. William Payne,1999

Compiled Edited by F William Payne Natural gas technologies that were new five years ago have now been tested in the real world This book describes some of these important technologies covering both new engineering concepts and new products which have emerged as well as important innovations to existing technologies Many of the chapters include economic analyses which identify the resulting cost savings Specific areas of development addressed include gas cooling chillers desiccant technologies cogeneration heating systems and other natural gas technologies *American Society of Heating and Ventilating Engineers Guide ,1954 ASHRAE Handbook & Product Directory ,1975 Energy Management Handbook* Stephen A. Roosa,Steve Doty,Wayne C. Turner,2020-12-17 This comprehensive handbook is recognized as the definitive stand alone energy manager s desk reference used by tens of thousands of professionals throughout the energy management industry This new ninth edition includes new chapters on energy management controls systems compressed air systems renewable energy and carbon reduction There are major updates to chapters on energy auditing lighting systems boilers and fired systems steam and condensate systems green buildings waste heat recovery indoor air quality utility rates natural gas purchasing commissioning financing and performance contracting and much more with numerous new and updated illustrations charts calculation procedures and other helpful working aids *Domestic Engineering ,1928*

Domestic Engineering and the Journal of Mechanical Contracting ,1926 Operator, Organizational, DS, GS, and Depot Maintenance Manual ,1971 Popular Science ,1985-03 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better **ASHRAE Handbook ,1996**

Electrical Inspection Manual, 2011 Edition Noel Williams,Jeffrey S. Sargent,2010-11-30 Packed with precise step by step checklists detailed illustrations and informative chapter explanations the Electrical Inspection Manual 2011 Edition

identifies important Code rules and provides guidance on how to organize checklists by occupancy type to increase thoroughness and decrease the likelihood of overlooking potential problems Written by certified electrical inspectors and endorsed by the National Fire Protection Association NFPA and the International Association of Electrical Inspectors IAEI this fully illustrated manual explains significant tasks defines terms outlines key questions and provides a concise overview of the electrical inspection process

The Decarbonization Imperative Michael Lenox, Rebecca Duff, 2021-10-19 Time is of the essence Climate change looms as a malignant force that will reshape our economy and society for generations to come If we are going to avoid the worst effects of climate change we are going to need to effectively decarbonize the global economy by 2050 This doesn't mean a modest or even a drastic improvement in fuel efficiency standards for automobiles It means 100 percent of the cars on the road being battery powered or powered by some other non carbon emitting powertrain It means 100 percent of our global electricity needs being met by renewables and other non carbon emitting sources such as nuclear power It means electrifying the global industrials sector and replacing carbon intensive chemical processes with green alternatives eliminating scope one emissions emissions in production across all industries particularly steel cement petrochemicals which are the backbone of the global economy It means sustainable farming while still feeding a growing global population Responding to the existential threat of climate change Michael Lenox and Rebecca Duff propose a radical reconfiguration of the industries contributing the most and most harmfully to this planetary crisis Disruptive innovation and a particular calibration of industry dynamics will be key to this change The authors analyze precisely what this might look like for specific sectors of the world economy ranging from agriculture to industrials and building energy and transportation and examine the possible challenges and obstacles to introducing a paradigm shift in each one With regards to existent business practices and products how much and what kind of transformation can be achieved The authors assert that markets are critical to achieving the needed change and that they operate within a larger scale of institutional rules and norms Lenox and Duff conclude with an analysis of policy interventions and strategies that could move us toward clean tech and decarbonization by 2050

ASHRAE Handbook & Product Directory American Society of Heating, Refrigerating and Air-Conditioning Engineers, 1977

Electrical Inspection Manual 2011 Noel Williams, Jeffrey S. Sargent, 2010-11-30 Packed with precise step by step checklists detailed illustrations and informative chapter explanations this manual identifies important Code rules and provides guidance on how to organize checklists by occupancy type to increase thoroughness and decrease the likelihood of overlooking potential problems

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The Aerologist, 1929

Electrical Inspection Manual, 2008 Edition Noel Williams, Jeffrey S. Sargent, Jeffrey Sargent, 2009-09-29 Written by a certified electrical inspector and endorsed by the International Association of Electrical Inspectors IAEI the Electrical Inspection Manual carefully reviews the items inspectors are required to check on

all types of electrical installations Updated for the 2008 National Electrical Code this book contains over 70 checklists for residential commercial and industrial jobs including special occupancies fire alarm circuits and more Fully illustrated chapters explain significant tasks define terms outline key questions and provide a concise overview of the electrical inspection process Audel HVAC Fundamentals, Volume 3 James E. Brumbaugh, 2011-01-31 Keep it cool or heat things up This third volume of Audel s HVAC Library gives you a comprehensive hands on guide to installing servicing and repairing all basic air conditioning systems in both new and older construction You ll also find complete coverage of specialized heating units radiators radiant heating systems stoves fireplaces heat pumps and indoor outdoor pool heaters plus fans exhaust systems air filters and more It s what you need to complete your HVAC reference library Make accurate calculations for AC system output Tailor AC systems for older construction Learn to install and service today s popular electronic air cleaners and filters Service less common heating systems such as coal fired furnaces Install maintain and repair humidifiers and dehumidifiers Handle radiators convectors and baseboard heating units

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