

Base Limited Warranty

Subject to the terms and conditions of this limited warranty, Trane U.S., Inc. ("Company") extends a limited warranty against manufacturing defects for the product(s) identified in **Tables 1, 1A, 1B** attached hereto ("Products") that are installed in a residential/multi-family application (personal, family or household purposes) under normal use and maintenance in the United States and Canada.

This limited warranty applies to Products manufactured on or after August 1, 2011.

In order to maximize the available benefits under this limited warranty, the Purchaser (as defined below) should read it in its entirety. All repairs of Product parts covered under this limited warranty must be made with authorized service parts and by a licensed HVAC service provider. Additionally, commercial applications are treated differently under this limited warranty as stated in **Tables 1, 1A, 1B** attached hereto. For purposes of this limited warranty, "commercial applications" shall mean any application other than for personal, family, or household use.

TERM: The limited warranty period for Products is as stated in **Tables 1, 1A, 1B** attached hereto. If the Purchaser properly registers the Products, the limited warranty period shall be extended as stated in **Tables 1, 1A, 1B** attached hereto. Regardless of registration, the Commencement Date for a limited warranty period shall be the date that the original installation is complete and all Product start-up procedures have been properly completed and verified by an installer's invoice. If the installation and start-up date cannot be verified by the installer's invoice, the Commencement Date shall be sixty (60) days after the factory manufacture date which is verified by the Product serial number. Where a Product is installed in a newly constructed home, the Commencement Date is the date the Purchaser purchased the residence from the builder. Proof of Product purchase, installation, and/or closing date of the residence may be required to confirm the Commencement Date.

The installation of Product replacement parts under this limited warranty shall not extend the original warranty period. The warranty period for any Product part replaced under this limited warranty is the applicable warranty period remaining under the original Product warranty.

WHO IS COVERED: This limited warranty is provided only to the original owner and his or her spouse ("Purchaser") of the residence where the Products are originally installed. This warranty is not transferable except according to terms stated on the applicable website identified below under Registration Requirements. Company has the right to request any and all proof of Product purchase or installation and/or closing date of the residence.

WHAT COMPANY WILL DO: Company may request proof of Product purchase and/or installation in order to provide Product parts under this limited warranty. As Company's only responsibility and Purchaser's only remedy under this limited warranty, Company will furnish a replacement part to the licensed HVAC service provider, without charge for the part only, to replace any Product part that fails due to a manufacturing defect under normal use and maintenance. The Purchaser must pay for any and all shipping and handling charges and other costs of warranty service for the replacement part. If a Product part is not available, Company will, at its option, provide a free suitable substitute part or provide a credit in the amount of the then factory selling price for a new suitable substitute part to be used by the Purchaser towards the retail purchase price of a new Company product. Any new Product purchase shall be at Purchaser's sole cost and expense including, but not limited to, all shipping, removal, and installation costs and expenses.

REGISTRATION REQUIREMENTS: All Products must be properly registered online by the Purchaser within sixty (60) days after the Commencement Date to receive the registered limited warranty terms. To register online, go to: <http://www.trane.com/Residential/For-Owners/Warranties> or <http://www.americanstandardair.com/servicesupport/pages/warranty.aspx> and click "Begin Online Registration." If a Purchaser does not register within this stated time period, the base limited warranty terms shall apply.

ELIGIBILITY REQUIREMENTS: The following items are required in order for the Products to be covered under this limited warranty:

- The Products must be in the same location where they were originally installed.
- The Products must be properly installed, operated, and maintained by a licensed HVAC service provider in accordance with the Product specifications or installation, operation, and maintenance instructions provided by Company with each Product. Failure to conform to such specifications and/or instructions shall void this limited warranty. Company may request written documentation showing the proper preventative maintenance.
- All Product parts replaced by Company under this limited warranty must be given to the servicing provider for return to Company.
- Air handlers, air conditioners, heat pumps, cased or uncased coils and stand-alone furnaces must be part of an Air Conditioning, Heating, and Refrigeration Institute rated and matched system or a specification in a Company provided bulletin or otherwise approved in writing by a Company authorized representative.

EXCLUSIONS: The following are not covered by this limited warranty:

- Labor costs including, but not limited to, costs for diagnostic calls or the removal and reinstallation of Products and/or Product parts.
- Shipping and freight expenses required to ship Product replacement parts.
- Failures, defects, or damage (including, but not limited to, any loss of data or property) caused by (1) any third party product, service, or system connected or used in conjunction with the Products; (2) any use that is not designed or intended for the Products; (3) modification, alteration, abuse, misuse, negligence, or accident; (4) improper storage, installation, maintenance, or operation including, but not limited to, operation of electrical equipment at voltages other than the range specified on the Product nameplate; (5) any use in violation of written instructions or specifications provided by Company; (6) any acts of God including, but not limited to, fire, water, storms, lightning, or earthquakes; or any theft or riots; or (7) a corrosive atmosphere or contact with corrosive materials such as, but not limited to, chlorine, fluorine, salt (provided that indoor and outdoor coils will only be covered if a Sea Coast Kit is installed), sulfur, recycled waste water, urine, fertilizers, rust, or other damaging substances or chemicals.
- Products purchased direct including, but not limited to, Internet or auction purchases and purchases made on an uninstalled basis.
- 3 phase models, cabinets or cabinet pieces that do not affect product performance, air filters, refrigerant, refrigerant line sets, belts, wiring, fuses, surge protection devices, non-factory installed driers, and Product accessories.
- Increased utility usage costs.

REFRIGERANT POLICY: Beginning on January 1, 2010, R-22 refrigerant will no longer be used as a manufacturer-installed refrigerant as required by federal regulation. Any and all expenses or costs associated with replacing Product parts that are not R-410A compatible will not be covered by the terms and conditions of this limited warranty. In addition, all Products containing R-410A refrigerant include a liquid line filter drier which must be replaced when a compressor replacement is necessary. A suction line filter drier must be added for compressors defined as burnouts. Failure to comply with such filter drier requirements or the use of contaminated or alternate refrigerant or any non-approved refrigerant system additives including, but not limited to, dyes, will void this limited warranty.

ADDITIONAL TERMS:

THIS LIMITED WARRANTY AND LIABILITY SET FORTH HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES AND LIABILITIES, WHETHER IN CONTRACT OR IN NEGLIGENCE, EXPRESS OR IMPLIED, IN LAW OR IN FACT. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE APPLICABLE PRODUCT WARRANTY. COMPANY DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OBLIGATION OR LIABILITY IN CONNECTION WITH THE PRODUCTS.

NOTWITHSTANDING ANYTHING IN THIS LIMITED WARRANTY TO THE CONTRARY, COMPANY SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL AND/OR PUNITIVE DAMAGES, WHETHER BASED ON CONTRACT, WARRANTY, TORT (INCLUDING, BUT NOT LIMITED TO, STRICT LIABILITY OR NEGLIGENCE), PATENT INFRINGEMENT, OR OTHERWISE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. COMPANY'S MAXIMUM LIABILITY HEREUNDER IS LIMITED TO THE ORIGINAL PURCHASE PRICE OF THE PRODUCTS.

No action arising out of any claimed breach of this limited warranty may be brought by a Purchaser more than one (1) year after the cause of action has arisen.

This limited warranty gives you specific legal rights, and you may also have other rights as otherwise permitted by law. If this Product is considered a consumer product, please be advised that some local laws do not allow limitations on incidental or consequential damages, how long a warranty lasts based on registration, or how long an implied warranty lasts, so that the above limitations may not fully apply. Refer to your local laws for your specific rights under this limited warranty.

Residential Systems
6200 Troup Highway, Tyler, TX 75707
Attn: Customer Relations

Or visit our website at www.trane.com or www.americanstandardair.com

GW-658-2312

TABLE 1: Warranty Time Periods for Outdoor Units, Air Handlers, Packaged Air Conditioners and Heat Pumps, Furnaces, Ductless Systems Cased and Uncased Coils - Trane and American Standard Products

COVERAGE TERMS FOR RESIDENTIAL APPLICATIONS: Pursuant to the Trane U.S., Inc. ("Company") limited warranty terms and conditions, the following Products are covered for the base time periods as stated below ("Base Limited Warranty Period"). If registered, the Base Limited Warranty Periods for certain Products will be extended as stated below ("Registered Limited Warranty Period").

SINGLE PHASE R-410A OUTDOOR UNITS:

4TTB, 4TTM, 4TTR, 4TWB, 4TWR, 4A6B, 4A6H3/5, 4A7A3/5, 4A7B, 4A7M:

Base Limited Warranty Period:
Compressor, Outdoor Coil, Parts - five (5) years.
Registered Limited Warranty Period:
Compressor, Outdoor Coil, Parts - ten (10) years.

4TTX, 4TTZ, 4TWX, 4TWW, 4A6H6, 4A6Z, 4A7A6, 4A7Z:

Base Limited Warranty Period:
Compressor, Outdoor Coil, Parts - five (5) years.
Registered Limited Warranty Period:
Compressor - twelve (12) years, Outdoor Coil, Parts - ten (10) years.

SINGLE PHASE R-22 OUTDOOR UNITS:

2TTB, 2TTM, 2TWB, 2A6B, 2A7B:

AND
3-PHASE OUTDOOR UNITS R-22 and R-410A (models up to 5 Ton):

2TTA, 4TTA, 4TWA, 4A7C, 4A6C:
Base Limited Warranty Period:
Compressor, Outdoor Coil, Parts - one (1) year.
Registered Limited Warranty Period:
Compressor, Outdoor Coil, Parts - five (5) years.

AIR HANDLERS (*First digit may be a "T" or an "A"):

*AM4, *AM7, *AM8, GAT2, GAF2, GAM2, GAM5, TGB, 2/4TEE, 2/4TFE, 2/4TEC, 4FWCA/F, 4FWHA/F, 4FWMA/F, 4FWFA, 4FWDA:
Base Limited Warranty Period:
Indoor Coil and Parts - five (5) years.
Registered Limited Warranty Period:
Indoor Coil and Parts - ten (10) years.

PACKAGED AIR CONDITIONERS and PACKAGED HEAT PUMPS:

4TCC, 4TCY, 4TCX, 4WCC, 4WCY, 4WCX, 4WHC:

Base Limited Warranty Period:
Compressor, Outdoor Coil, Parts - five (5) years.
Registered Limited Warranty Period:
Compressor, Outdoor Coil, Parts - ten (10) years.

4YCC:

Base Limited Warranty Period:
Compressor, Outdoor Coil, Parts - five (5) years, Heat Exchanger - ten (10) years.
Registered Limited Warranty Period:
Compressor, Outdoor Coil, Parts - ten (10) years, Heat Exchanger - ten (10) years.

4DCY, 4YCY, 4YCX:

Base Limited Warranty Period:
Compressor, Outdoor Coil, Parts - five (5) years, Heat Exchanger - twenty (20) years.
Registered Limited Warranty Period:
Compressor, Outdoor Coil, Parts - ten (10) years, Heat Exchanger - twenty (20) years.

4WCC:

Base Limited Warranty Period:
Compressor, Outdoor Coil, Parts - five (5) years.
Registered Limited Warranty Period:
Compressor - twelve (12) years, Outdoor Coil, Parts - ten (10) years.

4DCZ, 4Y CZ:

Base Limited Warranty Period:
Compressor, Outdoor Coil, Parts - five (5) years, Heat Exchanger - twenty (20) years.
Registered Limited Warranty Period:
Compressor - twelve (12) years, Outdoor Coil, Parts - ten (10) years, Heat Exchanger - twenty (20) years.

FURNACES (*First digit may be a "T" or an "A"):

*UD1/DD1, *UD1/H/DD1-H, *UD2/DD2, *UE1/DE1:

Base Limited Warranty Period:
Parts - five (5) years, Heat Exchanger - twenty (20) years.
Registered Limited Warranty Period:
Parts - ten (10) years, Heat Exchanger - twenty (20) years.

*UC1/DC1, *UD2-V/DD2-V, *UD2-C-V/DD2-C-V, *UH1/DH1; *UX1/DX1; *UH2/DH2;

*UHM/DHM:
Base Limited Warranty Period:
Parts - five (5) years, Heat Exchanger - twenty (20) years.
Registered Limited Warranty Period:
Parts - ten (10) years, Heat Exchanger - Lifetime

Note Regarding Heat Exchangers: If a heat exchanger fails because of a manufacturing defect within the sixth through twentieth year of the applicable warranty period, Company will, at its sole option, provide either a replacement heat exchanger without charge, or allow a credit in the amount of the then factory selling price of an equivalent heat exchanger toward the retail purchase price of a new heating unit.

CASED AND UNCASD COILS:

2/4TXC, 2/4TXA, 4CXC, 4TXF-CC/CZ, 4FXC/A, 4FXFH, 4FXCH:

Base Limited Warranty Period:
Coil, Parts - five (5) years.
Registered Limited Warranty Period:
Coil, Parts - ten (10) years.

DUCTLESS SYSTEMS:**

4TYK/AMYW, 4TXK/4MXW, 4TXM:

Base Limited Warranty Period:
All Parts - one (1) year.
Registered Limited Warranty Period:
All Parts - five (5) years.

***If any part of your Ductless System fails because of a manufacturing defect under normal use and maintenance within the Limited Warranty Period, the Company will furnish the required replacement part, or if the compressor or outdoor coil should be the part that fails during the Limited Warranty period, the unit will be replaced. The Purchaser must pay for any and all shipping and handling charges and other costs of warranty service for the replacement part including, but not limited to, any related service labor, diagnosis calls and refrigerant. There is no distinction between residential and commercial use for this Limited Warranty term and coverage.*

SPECIFIC TERMS FOR COMMERCIAL APPLICATIONS (Models listed in Tables 1, 1A, 1B - excluding ductless systems)

Base Limited Warranty Period: Coil, Parts - one (1) year.
Base Limited Warranty Period: Compressor - five (5) years.
Base Limited Warranty Period: Packaged Unit Heat Exchanger - five (5) years.
Base Limited Warranty Period: For All Heat Exchangers on All Other Furnaces - twenty (20) years.

Table 1A: Warranty Time Periods for Controls, Zoning Products, Humidifiers, Energy Recovery Ventilators, Air Cleaners and Oil Furnaces (Variable and Non-Variable Speed)

COVERAGE TERMS FOR RESIDENTIAL APPLICATIONS: Pursuant to the Trane U.S., Inc. ("Company") limited warranty terms and conditions, the following Products are covered for the base time periods as stated below ("Base Limited Warranty Period"). If registered, the Base Limited Warranty Periods for certain products will be extended as stated below ("Registered Limited Warranty Period").

CONTROLS: *CONT200, *CONT401, *CONT402, *CONT600 & *CONT602

Base Limited Warranty Period: one (1) year
Registered Limited Warranty Period: five (5) years

CONTROLS: *ZEMT500 *CONT800, *CONT802, *CONT803, *CONT900. *ZONE950

Base Limited Warranty Period: five (5) years
Registered Limited Warranty Period: ten (10) years

ZONING PRODUCTS: *ZONE950, *ZONE940, *ZONE930, ZZONEPNLAC52Z, ZZONEEXPAC52Z, ZZSENSAL0400, BAYSEN01ATEMPA, BAY24VRR, ZDAMPDR, ZDAMP5M, ZDAMPBM, ZDAMPRR

Base Limited Warranty Period: five (5) years
Registered Limited Warranty Period: ten (10) years

HUMIDIFIERS: *HUMD200, *HUMD300 & *HUMD500

Base Limited Warranty Period: five (5) years
Registered Limited Warranty Period: ten (10) years

ENERGY RECOVERY VENTILATOR (ERV): *ERVR100, *ERVR200 & *ERVR300

Base Limited Warranty Period: five (5) years
Registered Limited Warranty Period: ten (10) years

AIR CLEANERS: TFD & AFD

Base Limited Warranty Period: five (5) years
Registered Limited Warranty Period: ten (10) years

VARIABLE SPEED OIL FURNACE: *HV-V, *LF-V, *LR-V, *DF-V

Base Limited Warranty Period: Parts- five (5) years, Heat Exchanger - twenty (20) years
Registered Limited Warranty Period: Parts - ten (10) years, Heat Exchanger - Lifetime

NON-VARIABLE SPEED OIL FURNACE: *HV, *LF, *LR, *DF

Base Limited Warranty Period: Parts- five (5) years, Heat Exchanger - twenty (20) years
Registered Limited Warranty Period: Parts - ten (10) years, Heat Exchanger - Lifetime

SPECIFIC TERMS FOR COMMERCIAL APPLICATIONS:

Base Limited Warranty Period Applies for all controls, zoning products, humidifiers and ERV's
All Oil Furnaces: Parts - one (1) year, Heat Exchanger - twenty (20) years.

(*First digit may be a "T" or an "A")

Table 1B: Warranty Time Periods for Installed Accessories in Air Handlers and Packaged Units

COVERAGE TERMS FOR RESIDENTIAL APPLICATIONS: Pursuant to the Trane U.S., Inc. ("Company") limited warranty terms and conditions, the following Products are covered for the time periods as stated below.

Electric Heaters for Multi-Position Air Handlers

HEATERS, Installed in GAM2, GAT2, 4 & 5 Series Air Handlers: BAYEA
Heater, Installed in GAF2 Air Handlers: BAYEC
Limited Warranty Period: ten (10) years

HEATER, Installed in 7 & 8 Series Air Handlers: BAYEV

Limited Warranty Period: ten (10) years

HEATERS, Installed in 4FWCA/F, 4FWHA/F Air Handlers: BAYHTR, BAYHTRDS, BAYHTRBK

Limited Warranty Period: ten (10) years

Optional Accessories for Multi-Position Air Handlers

UVC LIGHTS, Installed in GAF2, GAM2, GAT2, 4, 5, 7 & 8 Series Air Handlers: BAYUVC
Limited Warranty Period: Ballast - ten (10) years, Bulbs - one (1) year

COMPRESSOR CONTROL MODULE, Installed in 8 Series Air Handlers: BAY24CCVK

Limited Warranty Period: ten (10) years

Hydronic Heaters for Multi-Position Air Handlers

HOT WATER COIL, Installed in 5 Series Air Handlers: BAYWAAA05, BAYWABB07 or BAYWACC08
Limited Warranty Period: ten (10) years

HOT WATER COIL, Installed in 7 Series Air Handlers: BAYWV & BAYWA

Limited Warranty Period: ten (10) years

HOT WATER COIL, Installed in 8 Series Air Handlers: BAYWV

Limited Warranty Period: ten (10) years

Electric Heaters for Split Systems and Convertible Air Handlers

HEATERS, Installed in 4TEE & 4TEC Air Handlers: BAYHTR14
Limited Warranty Period: ten (10) years

Electric Heaters for Packaged Units

HEATERS, Installed in 4TC*3 & 4, 4WC*3, 4 & 6 Packaged Units: BAYHTRV
Limited Warranty Period: ten (10) years

HEATERS, Installed in 4WHC Packaged Units: BAYHTRC

Limited Warranty Period: ten (10) years

Optional Accessories for Packaged Units

UVC LIGHTS, Installed in 4TC*3 & 4, 4WC*3, 4 & 6, 4YC*3, 4 & 6, 4DC*4 & 6 Packaged Units: BAYUV
Limited Warranty Period: Ballast - ten (10) years, Bulbs - one (1) year

ECONOMIZERS, Installed in 4TC*3 & 4, 4WC*3, 4 & 6, 4YC*3, 4 & 6, 4DC*4 & 6 Packaged Units:

BAYECON
Limited Warranty Period: ten (10) years

MOTORIZED DAMPER, Installed in 4TC*3 & 4, 4WC*3, 4 & 6, 4YC*3, 4 & 6, 4DC*4 & 6 Packaged

Units: BAYDMPR
Limited Warranty Period: ten (10) years

Air Handlers, Heat Pumps and Air Conditioners – Owner's Guide

Congratulations on the purchase of your new outdoor unit. Your outdoor unit is designed to work with a matched indoor unit creating a system that delivers years of dependable service and performance.

Proper Maintenance*

Your system requires maintenance and repair by a properly trained service technician. "Do-it-yourself" repairs on an in-warranty unit may void your warranty.

Other than performing the simple maintenance recommended below, you should not attempt to make any adjustments or repairs to your system. Your dealer can assist you with questions or problems.

1) Replace the air filter(s)

A clean filter saves you money by helping ensure top system efficiency.

When replacing your filter(s), always use the same size and type that was originally supplied or consult with your dealer for recommendations. Be sure to replace it with the arrows pointing in the direction of the airflow.

Where disposable filters are used, they must be replaced every month with the same size as originally supplied. Clean or replace your filter twice a month during seasons when the unit runs more often.

Ask your dealer where the filter is located in your system and how to service it.

2) Maintain free outdoor coil airflow

Efficient operation of your system depends on the free flow of air over outdoor unit's coil.

Do not plant flowers or shrubbery right next to the unit. Also, make sure that nothing is stacked against the sides of the unit or draped over it.

Buildup of snow and ice can restrict airflow. As soon as possible after accumulation, clean snow from the area around the outdoor unit.

3) Clean the finish

To keep your system looking new for years, clean the enamel finish with soap and water. For stubborn grease spots, use a household detergent. Do not use lacquer thinner or other synthetic solvents as they may damage the finish.

4) Call your dealer for additional routine maintenance

Your system should be inspected at least once per year by a properly trained service technician.

Ask your dealer about economical service or preventative maintenance agreements that cover seasonal inspections. **Optional extended warranties are also available.**

⚠ WARNINGS

1. Disconnect all electrical power to the indoor air handler or furnace before removing access panels to perform any maintenance. Disconnect power to both the indoor and outdoor units. **NOTE:** There may be more than one electrical disconnect switch. Electric shock can cause personal injury or death.
2. Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause personal injury or property damage. Consult a qualified installer or service agency for information or assistance.

⚠ CAUTIONS

1. To prevent injury, death, or property damage, read and follow all instructions and warnings, including labels shipped with or attached to unit before operating your new outdoor system.
2. Although special care has been taken to minimize sharp edges in the construction of your unit, be extremely careful when handling parts or reaching into the unit.
3. Condensate drains should be checked and cleaned periodically to assure condensate can drain freely from coil to drain. If condensate cannot drain freely, water damage could occur.
4. If heating system is not operational during the cold weather months, provisions must be taken to prevent freeze-up of all water pipes and water receptacles. This is very important during times of vacancy.

IMPORTANT: If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the indoor fan only be used in the AUTO mode.

- *Visit our website or ask your dealer for more information on:**
- System operation
 - Troubleshooting/Maintenance
 - Optimizing system performance/Energy savings
 - Warranties and Product Registration

Before you call for service, check the following:

Problem	Possible cause	Remedy
Insufficient heating or cooling	a. dirty filters b. air not circulating freely c. blocked outdoor coil	a. clean or replace b. check supply registers and return grills for blockage c. clear away leaves or other debris
Failure to operate	a. power off b. open circuit breaker or burned-out fuses c. improperly adjusted thermostat	a. make sure main switch is in ON position b. reset circuit breaker, or replace burned-out fuses c. check setting; adjust thermostat
Auxiliary heat indicator on	When outdoor temperature falls, intermittent lighting is normal	Monitor light. If it stays on continuously when above 30°F, or if it comes on when 50°F outdoors, call for service.
No Heating or Cooling – Blower does not operate	Blower door removed or ajar	Close door securely to restore power to blower
Unusual Noise		Call your local servicer

Product Registration

Registered Limited Warranty terms are available if the product is registered within 60 days of installation. If the product is not registered within 60 days of installation, the Base Limited Warranty terms will apply.

Registration can be completed online. Please take a few moments to record the following information to ensure your product registration process is quick and easy:

Indoor Unit Model No: _____ Serial No: _____

Outdoor Unit Model No: _____ Serial No: _____

Thermostat Model Number _____

Installation/Startup Date _____

Dealer _____

Dealer Service Phone _____