National Line Card
Products & Systems Solutions

Approach

Our goal is to deliver the outcomes that matter most to you—from more comfortable indoor environments to energy efficient operations. We take a consultative approach to understand your unique business objectives, gather data and information to make informed recommendations, and support you from implementation to validation.

Service & Solutions

Our capabilities include commercial systems, energy services & solutions, contracting, controls/building automation, rentals and service.

Building Services
Help reduce operating costs and extend the life of your equipment with planned, reliable, preventative and proactive scheduled maintenance and repair by Trane factory trained technicians.
- Service Agreements
  - Connected Mechanical Service Agreements
- Extended Warranty
- Quoted Repair Products

Digital Services
Leverage your data and Trane's analytics to create simple dashboards that can help you to understand performance of your building and its assets. Dashboards can help to find opportunities for increasing efficiency, decreasing energy use, and increasing productivity through system optimization.
- Connected Building Service Agreements
- Secure remote access and building management with TraneConnect™
- Trane® Autonomous Control

Intelligent Services
Trane Intelligent Services provides one-on-one consultative support to reduce energy use, manage operational costs, and optimize building performance. Take the guesswork out of understanding building data to achieve more comfortable spaces while meeting your financial and environmental goals.

Rental Services
24/7/365 local service, engineering expertise and an expansive fleet of rental products. Promptly provides temporary, scalable HVAC and power from standard applications to complex solutions.
- Water-Cooled Chillers, Air-Cooled Chillers, Temporary Power, Cooling Towers, Packaged A/C Units, Air Handlers, Portable A/C Units

IAQ Services
Today there are more ways than ever to assess and manage indoor air quality, while keeping your goals for cost and sustainability in sight. Trane offers a variety of services, innovative technologies, and proven solutions for measuring and monitoring IAQ. We can help you align with air quality guidelines and recommendations set by the CDC, EPA, and ASHRAE.

Trane Creative Solutions
Customized Trane Equipment Modifications Including: Multizone Replacements, Water-Side Economizer Coils for Air-Cooled Chillers, Packaged Air-Cooled Ice Storage Systems, Acoustical Attenuation

Engineer and Contractor Resources
Trane is here to support, enable and educate Engineers and Contractors through comprehensive tools and resources, design and analysis tools, professional education and training, BIM and CAD drawings, and pre-engineered system solutions.
traneengineer.com | tranecontractors.com

Engineered Systems
- Comprehensive Chilled Water Systems
- Comprehensive Chiller- Heater Systems
- CoolSense® Integrated Outdoor Systems
- Geothermal Systems
- Intelligent Variable Air Systems
- Thermal Battery™ Systems
- Variable Refrigerant Flow (VRF) Systems
- Zoned Rooftop Systems

Energy Services
Trane enables more efficient, sustainable buildings by providing a single source for decarbonization and modernization solutions, programmatic implementation services, and financing and funding options. We use deep expertise and a data driven approach to understand how energy impacts your unique situation, and collaborate to develop strategies to deliver your goals for carbon reduction, resiliency, and energy optimization.

Energy Solutions include:
Building modernization and automation | Lighting | Water Conservation | Renewables and Distributed Energy Resources | Funding, financing, and procurement programs

Trane is accredited by NAESCO as an Energy Services Provider (ESP), a U.S. DOE-qualified Energy Services Company (ESCO), and recognized by the Canadian Federal Buildings Initiative as a qualified bidder.

TRANE TECHNOLOGIES

*U.S. Energy Information Administration, 2020

Building Automation

Tracer® SC+
Scalable building automation system solution with standard, open protocols

Pivot® Smart Thermostat
Wi-Fi & Ethernet thermostat for light commercial applications

Symbio®
Application Specific and Programmable Unit Controllers, Integrates with BACnet MSTP, BACnet/IP, BACnet/Zigbee, Lontalk & Modbus Protocols

Air-Fi® Zone Sensors
Flexible and reliable wireless sensors & system communications leveraging Air-Fi® Wireless (BACnet/Zigbee) technology. Sensors include temperature, humidity, CO_2 & occupancy

Building Management Systems

Tracer® Ensemble®
Enterprise level building management software for facility professionals

Tracer® Synchrony®
Tracer SC+'s built-in web based user interface software for building operators

Tracer® Concierge®
Light commercial control system with set-up wizard for installers and simple user interface for non-technical users

BAS Operator and Occupant Apps
Providing mobile access to service providers, building operators, and occupants

Trane® Autonomous Control
AI-based solution that performs automatic system optimization using real-time weather data and predictions, building occupancy trends & energy usage patterns

IAQ Solutions

Synexis
Best in class air purification and surface cleanliness by creating Dry Hydrogen Peroxide from naturally occurring oxygen and humidity in the air to significantly reduce many different pathogens.

TCACS
Trane Catalytic Air Cleaning System (TCACS) is an enhanced air filter containing 3 technologies: filtration, ultraviolet light, and a photocatalytic oxidation (PCO) process

Trane® / Mitsubishi Electric VRF & Ductless

CITY MULTI® VRF
Energy efficient air and water cooled, all electric VRF systems available in high efficiency, and H2i® (Hyper-Heat); 6 - 36 Tons

HVRF
All electric, hybrid VRF system that uses refrigerant and water. Hybrid Branch Controller provides simultaneous heating and cooling; 6 - 36 Tons

P & Nv Series
Ductless systems for superior comfort, flexibility and reliability with precise zone control to distribute heating or cooling only to spaces in use; 0.5 - 5 Tons

SMART MULTI®
Light commercial multi-zone ductless heat pump system, side discharge outdoor unit; 3 - 10 Tons

Indoor Units
A variety of indoor units available to meet any application and design requirements, including ceiling cassettes, wall mounted, concealed and more

LEV Kit
The power to connect Trane® / Mitsubishi Electric CITY MULTI® products to Trane air handlers; allows for higher airflows, higher static pressure, larger capacity, customized products, and DOAS configurations

Data Center Cooling

Performance Climate Changer® for Data Centers
Maintains tight temperature and humidity tolerances for server room environments.

Water-Cooled Centrifugal Chillers

Model TACW
Oil-free; Cooling operation; 100-250 Tons; 400-600 Tons. R-134a and R-513A

Agility® Model HDWA
175 - 425 Tons; Heating and Cooling capable; Up to 140°F HW; 60 Hz, 50 Hz; Symbio® 800 controller; R-513A

CenTraVac® Model CVHE
3-Stage Compressor; Heating and Cooling capable; Free Cooling; Symbio® 800 controller; 200 - 500 Tons; R-514A

CenTraVac® Model CVHF
2-Stage Compressor; Heating and Cooling capable; Free Cooling; Heat recovery operation; Symbio® 800 controller; 325 - 2000 Tons; R-514A

CenTraVac® Model CVHH
Multi-stage compressor; Heating and Cooling capable; Free Cooling; Heat recovery operation, Symbio® 800 controller; 900 - 2000 Tons; R-1233zd

CenTraVac® Model CDHF
Multi-Stage Dual Compressor; Heating and Cooling capable; Free Cooling; Symbio® 800 controller; 1450 - 3950 Tons; R-514A

CenTraVac® Model CDHH
Multi-stage; Dual Compressor; Heating and Cooling capable; Free Cooling; Symbio® 800 controller; 1800 - 4000 Tons; R-1233zd

Water-Cooled Chillers

Cold Generator™ Model CGWR
Scroll Compressors; 20 - 75 Tons; R-410A

Series R® Model RTWD
Helical Rotary Compressor; Heating and Cooling capable; Heat recovery operation–dual setpoint; Up to 165°F HW production; Symbio® 800 controller; 80 - 250 Tons; R-513A and R-515B

Series R® Model RTHD
Optional Variable Speed Helical Rotary Compressor; Heating and Cooling Capable; Symbio® 800 controller; 175 - 400 tons; R-513A

Air-Cooled Chillers

Ascend® Air-to-Water Heat Pump Model ACX
Energy efficient, all electric heating and cooling; Symbio® 800 controller; 140-230 tons cooling; 1500 - 2500 MBh heating; R-454B

Ascend® Model ACS
Scroll Compressor; 140 - 230 Tons; R-454B; Heat recovery; Symbio® 800 controller

Ascend® Model ACR
Variable Speed Helical Rotary Compressor; Free Cooling; Symbio® 800 controller; 150 - 550 Tons; R-513A

Model CGAM
Scroll Compressor; 20 - 130 Tons; R-454B; Heat recovery option; Symbio® 800 controller

Model TCAA
Oil Free Centrifugal; 60 - 440 Tons; R-513A

Sintesis® Model RTAF
Variable Speed Helical Rotary Compressor; 115 - 500 Tons; R-513A; Symbio® 800 controller

Cold Generator™ Model CCAR
Scroll Compressor with Air-Cooled Condenser; 20 - 70 Tons

Industrial Process Cooling

TAEevo TECH
Air-cooled process chiller; Indoor and outdoor use; 1-50 Tons; R-410a

ARIES TECH2
Air-cooled process chiller; Outdoor use; 60-200 Tons; R-410a

Modular Units

Thermafit® Model AMC
Air-Cooled Chiller; Optional Free-Cooling, Heat Recovery Up to 140°F (60°C); 15-80T Modules (1 - 12 Modules per Bank); R-454B

Thermafit® Model MWC
Water-Cooled Chiller; Optional Heat Recovery Up to 180°F*; 15-80T Modules (1 - 12 Modules per Bank); R-454B; R-513*

Thermafit® Model MAR
Split Chiller with Remote Condenser; 15-80T Modules (1 - 12 Modules per Bank); R-454B

Thermafit® Model AXM
Air-to-Water Heat Pump Vapor Injection Compressors; Up to 140°F (60°C) 30T Modules; 374 MBH (2 - 12 Modules per Bank); R-454B

Thermafit® Model WXM
Water-to-Water Heat Pump; Up to 140°F (60°C) 20-80T Modules; 262-1033 MBH (1 - 12 Modules per Bank); R-454B

Thermafit® Model MWS
Water-Source Multi-pipe; Up to 140°F (60°C)30-60T Modules; 432-942 MBH (3 - 10 Modules per Bank); R-454B

Thermafit® Model MAS
Air-Source Multi-pipe; Vapor Injection Compressors; Up to 140°F (60°C); 30T Modules; 433 MBH (3 - 10 Modules per Bank); R-454B

Thermafit® Model TACW
Water-cooled chiller; Oil-free centrifugal; 60 - 135 Tons (1000 Ton Banks); R-513A

Cold Generator® Model CICD
Water-cooled; Heat Recovery; 20 - 85 Ton (600 ton Arrays)

Thermal Storage

Thermal Energy Storage Tanks
Helps manage peak electric demand for buildings with chilled water heating and cooling systems above 100 tons. Optimizes energy usage and lowers operating costs by storing and leveraging renewable, excess, or inexpensive energy.

Thermal Battery™ Air-Cooled Chiller Plant
Pre-Engineered, Factory Built Cooling System. Incl: Air-Cooled Chillers, CALMAC® Energy Storage Tanks, Customizable System

Thermal Battery™ Storage-Source Heat Pump System
Delivers Heating and Cooling, Supports Electrification. Incl: Water-to-Water and Air-to-Water Heat Pumps, CALMAC® Energy Storage Tanks, Trane Controls

Packaged Units

Impack®
Cooling, Gas/Electric, Heat Pump & Dua l-Fuel; Multiple Efficiency Levels; Up to 16 SEER; (1 ph-15 SEER2); 2 - 5 Tons

Foundation®
Cooling, Gas/Electric; Adapts to Competitors Roof Curbs; 3 - 25 Tons

Precedent® & Precedent® with eFlex™
3 - 25 Tons; Cooling, Gas, Electric, Heat Pump & Hybrid Dual Fuel; Standard, High, & eFlex Ultra-High Efficiency (up to 25.4 IEER); Symbio 700 control with Mobile App and Air-Fi® capable

Zoned Rooftop Systems
Pre-designed for small building comfort; Includes Precedent or Voyager rooftop unit, VAV terminal units, Tracer® Concierge™ system control & Air-Fi® wireless controls & sensors; 3 - 50 Tons

Voyager® 3
Cooling, Gas/Electric; eStage™ Multi-Staged Compressors; Full & part load efficiencies; Symbio 700 and Mobile App; Up to 17.5 IEER; 27.5 - 50 Tons

IntelliPak® 1
Cooling, Gas/Electric, Hot Water; 20 - 130 Tons (Available with eFlex™ Variable Speed Compressor; 20 - 75 Tons), Symbio 800 Controller with 7" Touchscreen Display, Air-Fi® Capable ; up to 19 IEER

IntelliPak® 2
Cooling, Gas/Electric, Hot Water, Air-Cooled; 90 - 150 Tons, Available with eFlex™ Variable Speed Compressor, Standard Double Wall Foam, Symbio 800 Controller with 7" Touchscreen Display, Air-Fi® Capable ; Up to 19.3 IEER

IntelliPak® 3
Cooling, Gas/Electric; 20 - 75 Tons, Available with eFlex™ Variable Speed Compressor, Standard Double Wall Foam, Symbio 800 Controller with 7" Touchscreen Display, Air-Fi® Capable, Up to 17.8 IEER

Trane Thrive (OAXX)
Indoor Agriculture packaged product (DX, Air and Water Cooled); Heat Pump, Gas, and Hot Water; 3-80 Tons

Self-Contained Units

Water-Cooled Self-Contained Model SWUD
Single-piece units ideal for new construction market; Redesigned with upgraded features; Symbio 500 controller with TD7; R-454B; Up to 22.8 IEER; 20-110 Tons

Modular Self-Contained System
Smallest Footprint on the Market; Water-Cooled System; Variable speed compressors and fans; Industry-leading Part Load Efficiency - Up to 20.8 IEER; 25 - 80 Tons, cassette construction

Water-Source Heat Pumps

Axiom™ Standard Efficiency Model GEH/GEV
Horizontal (0.5 - 15T) or vertical (0.5 - 25T); Deluxe sound option for quiet operation; Multiple airflow configurations; 0.5 - 25 Tons

Axiom High Efficiency Single-Stage Model EXH/EXV
Horizontal or vertical; Deluxe sound option for quiet operation; Electronically Commuted Motor (ECM); Rotary or scroll compressor; 0.75 - 6 Tons

Axiom High Efficiency Two-Stage Model DXH/DXV
Horizontal or vertical; 2-Stage compressor; Deluxe sound option for quiet operation; Meets LEED EAc4 requirement; 2 - 6 Tons

Axiom Variable Speed Model VSH/VSV
Horizontal or vertical; eFlex™ Variable Speed compressors and fans; Single and three phase voltage; 2 - 5 Tons

Axiom High Efficiency Console Model GEC
ASHRAE 62 indoor air quality compliant; Quiet operation; 0.5 - 1.5 Tons

Axiom Vertical Stack Model GET
Multiple capacities & cabinet sizes; Available in PSC or ECM motors; Flexible air supply options; Integrated controls; 0.75 - 3 Tons

Axiom Water-to-Water Model EXW
Co-axial heat exchanger; Rackable modular design; 5, 10, 20 Tons

Air Handling Units

Axiom Rooftop Models GWS & GSJ
Boiler/Tower or Geothermal applications; Multiple configuration options; GWS (3-10 Tons); GSJ with Symbio 700 controls (12.5 - 25 Tons)

Performance Climate Changer® - Catalog
Dependable performance at an uncompromising value; Compact Footprint; Factory-Engineered, Mounted & Tested Controls; Indoor/Outdoor; Up to 15000 CFM; 2" R-13 Construction

Performance Climate Changer® - Semi-custom (CSAA/PSCA)
Leading Efficiency and Casing Performance: Dimensional Flexibility enabling Easy Installation: Indoor/Outdoor; Up to 60000 CFM; up to +/-10 in w.g.; 2", R-13 or 3", R-19 Construction; Factory Engineered, Mounted & Tested Controls

Performance Climate Changer – Custom (TCFS/TCPA)
Now available in side-by-side configurations; Indoor or outdoor; Unlimited dimensional flexibility and airflow; Up to +/- 12 in. w.g. operating pressure, with <1/2% air leakage rate; Absolute thermal barrier with performance up to R-25

Trane Air Rotation Unit
Indoor or Outdoor; Up to 300 tons and 120,000+ CFM; CW or DX; 2'' Foam Insulated panels, factory engineered & mounted controls

Make-Up Air Gas Heating Units

Model GSAA
Indoor Gas-Fired Make-Up Air Handlers; Standard & High Efficiency; 100 - 1200 MBH

Model GRAA
Outdoor Gas-Fired Make-Up Air Handlers; 100 - 1200 MBH

Model AHOA
Packaged Air Handlers; Cooling, Make-Up Air, & Ventilation

Unit Heaters

Gas Fired Unit Heaters
14 sizes, from 30 to 400 MBh; 409 stainless steel; Single point power; Direct Spark ignition; Tubular heat exchangers; OSHA fan guard

Gas Fired Unit Heaters
14 sizes, from 30 to 400 MBh; 409 stainless steel; Single point power; Direct Spark ignition; Tubular heat exchangers; OSHA fan guard

Electric Unit Heaters Model UHWA/UHAA/UHRA/ UHXA/UHEC/UHCA
7 styles, over 200 configurations; Sized from 1.5 to 50 kW; Capacities from 5 to 16.4 MBh; Vertical or horizontal discharge; Single point power; UL Listed

Hydronic Unit Heaters Model UHS/UHP
38 unit sizes from 8 to 720 MBh; Vertical and horizontal configurations; 2-point or 4-point installation; Single point power: Steam or hot water; OSHA fan guard; ETL/ETLc certified
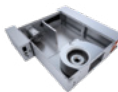
High Efficiency Gas Fired Unit Heater Model HINA/HIPA
6 sizes: 50-400MBH, natural and LP gas. 3:1 self-modulating turndown; >95% Efficiency

Terminal Units

Blower Coil
Blower Coil Model BCXE; Indoor; Up to 4000 CFM; Horizontal and Vertical Configurations; ECM Motors, Multiple Filter Options, Factory-Engineered & Mounted Controls

CoolSense® Terminal Unit
Up to 1300 CFM; Variable speed ECM ; Symbio® 500 controller (available with Air-Fi wireless)

VariTrane® Model VC*F
Single Duct Variable Air Volume Boxes; 25 - 8000 CFM; Optional Factory Installed Piping Package

VariTrane® Model VDDF
Dual Duct Variable Air Volume Boxes; 80 - 8000 CFM

VariTrane® Model VP*F
Parallel Configuration Fan-Powered Variable Air Volume Boxes; 200 - 2200 CFM
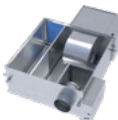
VariTrane® Model VS*G
Series Configuration Fan-Powered Variable Air Volume Boxes; 200 - 2500 CFM; optional integral suppressor attenuator available

VariTrane® Model LF**
Low Height Fan-Powered Variable Air Volume Boxes; 100 - 1800 CFM; Parallel or Series Configuration

VariTrane® Model VRRF
Round Inlet/Round Outlet RetroFit Variable Air Volume Boxes; 25 - 4000 CFM

UniTrane® Model FC*B
Horizontal or Vertical Fan Coil; Cabinet, Recessed or Compact Configurations; 200 - 1200 CFM

Force-Flo™ Model FF*B
Horizontal or Vertical Cabinet Heater; Concealed or Recessed Configurations; 200 - 1200 CFM

Model VUVE
Vertical Unit Ventilators; 750 - 1500 CFM

Model HUVC
Horizontal Unit Ventilators; 750 - 2000 CFM

Split Systems

Split Systems
Cooling & Heat Pump; Gas, Electric, or Hot Water Heat; 1.5 - 5 Tons

Odyssey™
Symbio® 700 controller ; Full & part load efficiencies; Up to 14.8 IEER; 6 - 25 Tons

RAUJ
Air-Cooled Condensing Units; Available with Remote Chiller Evaporators; 20 - 120 Tons

CAUJ
Air-Cooled Condensers; 20 - 120 Tons

Outdoor Air Solutions

Horizon® DOAS (OAXX)
DOAS; Packaged product (DX, Air and Water Cooled); Heat Pump, Gas, and Hot Water; >43°F Dew Point capability; ERV; AHRI 920 rated; 3-80 Tons

Horizon® Flex™ (HAXX)
Up to 100% outdoor air; Packaged product (DX – Gas Heating); >51°F Dew Point capability; ERV; AHRI 340/360 certified; ASHRAE 90.1 compliant; 10 - 15 Tons

VFD

TR150/TR200
Trane Variable Frequency Drives; 6, 12, 18 Pulse