

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 Product



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
- Intelligent Services Agreements



INTELLIGENT SERVICES

Harness the power of data and domain expertise to optimize your building management and maintenance with real-time data collection, analytics, and consulting services.



ENERGY SERVICES

We use deep expertise and a data-driven approach to support your business and sustainability goals. Through partnership, we work to understand how energy impacts your unique situation, and we optimize energy use with strategies to manage energy storage, consumption, and overall network efficiency to provide validated outcomes.



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.



LIGHTING SOLUTIONS

Control more than half of your building energy use when you integrate Trane lighting solutions into your BAS.* The Trane difference offers increased energy savings, improved comfort and flexibility, and a higher quality design—all within your budget. Utilizing lighting solutions can enhance productivity, performance, safety, and wellbeing—all while significantly contributing to energy and carbon reduction goals.



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
- Intelligent Variable Air Systems
- Thermal Battery™ Systems
- Variable Refrigerant Flow (VRF) Systems
- Zoned Rooftop Systems

Building Automation



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



Tracer Concierge®
Light commercial control system



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, CO₂ & 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

IAQ Solutions



Synexis
Provides a continuous application of DHP that can reduce airborne and surface pathogens, fungi and VOCs



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



Awair Omni
An in-room air quality monitoring device that measures T, RH, VOCs, CO₂, PM2.5, light and noise; can be integrated into Trane BAS systems

Trane® / Mitsubishi Electric VRF & Ductless



N-Generation CITY MULTI®
Energy efficient air and water cooled, all electric VRF systems available in Standard, High Efficiency, and H2i® (Hyper-Heat); 6 - 36 Tons



Nv Series
Ductless system for maximum energy efficiency and quality control with precise zone control to distribute heating or cooling only to spaces in use; 0.5 - 5 Tons



P Series
Light commercial ductless system for superior comfort, flexibility and reliability with precise 1:1 outdoor to indoor connections for efficient zone management; 1 - 3.5 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

Trane Precision Cooling



Single Circuit
Single circuit DX or CW; vertical floor mounted; 2 - 10 Ton; tandem compressor options; EC fan technology



Dual Circuit DX
Dual circuit DX or CW; vertical floor mounted; 5 - 80 Tons; EC fan technology



Ceiling Mounted
Ceiling Mounted DX or CW; 1 - 10 Tons; Independently circuited scroll compressors

Water-Cooled Portfolio Centrifugal Chillers



Model TACW
Oil-free; Cooling operation; 60 - 1400 Tons; R-134a and R-513A



Agility® Model HDWA
150 - 42550 Tons; Heating and Cooling capable; Up to 140°F HW; 60 Hz, 50 Hz; Symbio® 800 controller; uses either R-513A or R-134A



CenTraVac® Model CVHE
3-Stage Compressor; Heating and Cooling capable; Free Cooling; Symbio® 800 controller; 150 - 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; Dual Compressor; Heating and Cooling capable; Free Cooling; Heat recovery operation, Symbio® 800 controller; 900 - 2000 Tons; R-1233zd



CenTraVac® Series S™ Model CVHM
Heating and Cooling capable; Free Cooling; Symbio® 800 controller; 170 - 390 Tons; R-514A



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 140°F HW production 60 - 250 Tons; R-134a or R-513a



Optimus® Model RTHD
Optional Variable Speed Helical Rotary Compressor; Heating and Cooling capable; 150 - 430 Tons; R-134a; or R-513a for fixed speed only

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-410A



Ascend® Model ACS
Scroll Compressor; 140 - 230 Tons; R-410A; Symbio® 800 controller



Ascend® Model ACR
Variable Speed Helical Rotary Compressor; Free Cooling; Symbio® 800 controller; 150 - 550 Tons; R-134a



Model CGAM
Scroll Compressor; 20 - 130 Tons; R-410A; Heat recovery option



Model TACA
Oil Free Centrifugal; 60 - 440 Tons; R-134a or R-513A



Sintesis® Model RTAF
Variable Speed Helical Rotary Compressor; 115 - 520 Tons; R-134a or next gen R-513A; Symbio® 800 controller



Cold Generator™ Model CCAR
Scroll Compressor with Air-Cooled Condenser; 20 - 70 Tons; R-410A

Modular Units



Thermafit™ Model AMC
Air-Cooled Chiller; Free cooling & Heat recovery; 15 - 80 Tons (800 Ton Banks); R-410A



Thermafit™ Model AMT
High efficiency Air-Cooled Chiller; Variable speed compressor and fans; Free cooling & heat recovery; 20 - 40 Tons (400 Ton Banks); High efficiency; R-410A



Thermafit™ Model MWC
Water-Cooled Chiller; Heat recovery; 15 - 80 Tons (800 Ton Banks); R-410A



Thermafit™ Model MWT
High efficiency water-cooled chiller; Variable speed compressor; 20 - 40 Tons (400 Ton Banks); R-410A



Thermafit™ Model AXM
Air-to-water heat pump; Energy efficient; All electric cooling or heating; 30 Ton (300 Ton Banks); R-410A



Thermafit™ Model WXM
Water-to-water heat pump; Energy efficient; All electric cooling or heating; 20 - 80 Tons (800 Ton Banks); R-410A



Thermafit™ Model MWS
Water-cooled multipipe; Simultaneous heating and cooling; 30 - 60 Tons (90-480 Ton Banks); 450 MBh to 7,200 MBh; R-410A



Minimod Model TACW
Water-cooled chiller; Oil-free centrifugal; 60 - 135 Tons (1000 Ton Banks); R-134a and R-513A



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

Thermal Energy Storage



Thermal Energy Storage Tanks
Optimizes energy usage by storing renewable, excess or inexpensive energy; Reduces peak electric demand charges; Access to demand response programs; Buildings with chilled water systems above 100 cooling tons



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



Impact®
Cooling, Gas/Electric, Heat Pump & Dual-Fuel; Multiple Efficiency Levels; Up to 16 SEER; 2 - 5 Tons



Foundation®
Cooling, Gas/Electric; Adapts to Competitors Roof Curbs; 3 - 5 Tons; 7.5 - 12.5 Tons; 15 - 25 Tons



Precedent® 17 Plus
Cooling & Gas/Electric; Up to 17.5 SEER; 3 - 5 Tons



Precedent® & Precedent® with eFlex™
Cooling, Gas/Electric, Heat Pump & Dual-Fuel; Multiple Efficiency Levels ; eFlex Variable Speed Compressor; Up to 23.5 IEER; 3 - 25 Tons



Voyager® 2 with eFlex
Cooling, Gas/Electric (Up to 20.1 IEER), eFlex Variable Speed Compressor



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 - 25 Tons



Voyager 3
Cooling, Gas/Electric; eStage™ Multi-Stage Compressors; Full & part load efficiencies; Symbio 700 controller; Up to 15.8 IEER; 27.5 - 50 Tons



IntelliPak® 1
Cooling, Gas/Electric, Hot Water, Steam; 20 - 130 Tons; Available with eFlex Variable Speed Compressor; Symbio 800 controller; 40 - 75 Tons



IntelliPak® 2
Cooling, Gas/Electric, Hot Water, Steam; Air-Cooled and Evaporative Condenser; Available with eFlex Variable Speed Compressor; Symbio 800 controller; Tracer® SC+ controls; VariTrane™ VAV terminals; 90 - 150 Tons;



IntelliPak® 3
Cooling, Gas/Electric, Hot Water, Steam; 20 - 75 Tons; Avail. with eFlex Variable Speed Compressor; Available connectivity; Symbio 800 controller; Up to 17.8 IEER

Self-Contained Units



IntelliPak® Modular Series
Split apart construction, easy transport & installation; Factory-installed digital controls; Up to 13.9 EER, 17.9 IEER; Water Cooled 20 - 35 Tons; Remote Air Cooled - 32 Tons



IntelliPak® Signature Series
Up to 14.1 EER, 19.3 IEER; Floor by floor system; Factory-installed digital controls; Air-Cooled 20-60 Tons; Water-cooled 20 - 110 Tons



Modular Self Contained System
Smallest Footprint on the Market; Water-Cooled System; Variable speed compressors and fans; Full and part load efficiencies; Industry-leading Part Load Efficiency - Up to 20.8 IEER; 40 - 80 Tons, cassette construction

Water-Source Heat Pumps



Axiom™ Standard Efficiency GEH/GEV Models
Horizontal (0.5 - 15T) or vertical (0.5 - 25T); Quiet operation; Multiple airflow configurations; 0.5 - 25 Tons



Axiom High Efficiency Single-Stage EXH/EXV Models
Horizontal or vertical; Electronically Commuted Motor (ECM); Rotary or scroll compressor; 0.5 - 6 Tons



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



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



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



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



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



Axiom Rooftop GWS Model
Boiler/Tower or Geothermal applications; Multiple configuration options; Microprocessor controls; 3 - 20 Tons

Air Handling Units



Performance Climate Changer® - Catalog
Cost Effective Performance; Compact Footprint; Factory-Engineered, Mounted & Tested Controls; Indoor/Outdoor; Up to 15000 CFM; 2" R-13 Construction



Performance Climate Changer® - Semi-custom
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)
Indoor or Outdoor; Up to 200,000 CFM; Up to +/- 12 inches w.g.; Full dimensional flexibility and thermal performance up to R-25

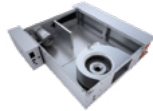


Trane Air Rotation Unit
Indoor or Outdoor; Up to 300 tons and 120,000+ CFM; CW or DX; 2" Foam Insulated panels, factory engineered & mounted controls

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 or constant-fan speed; Tracer® UC400 controller (available with Air-Fi wireless)



VariTrane® Model VC*F
Single Duct Variable Air Volume Boxes; 25 - 8000 CFM



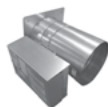
VariTrane® Model VDDF
Dual Duct Variable Air Volume Boxes; 80 - 8000 CFM



VariTrane® Model VF**
Fan-Powered Variable Air Volume Boxes; 200 - 3300 CFM; Parallel or Series Configuration



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



UniTrane® Model FCV
Vertical High Rise Fan Coil Units Vertical stack fan coil; 300 - 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 HUVU
Horizontal Unit Ventilators; 750 - 2000 CFM



Model UHS/UHP
Propeller Unit Heaters; Hydronic & Steam



Model UHWA/UHAA/UHRA/UHXA/UHEC/UHCA
Electric Unit Heaters



Indoor Gas Heating Units
Unit Heaters & Duct Furnaces; High Efficiency >95%

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 13.1 IEER; 6 - 25 Tons



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



CAU
Air-Cooled Condensers; 20 - 120 Tons

Outdoor Air Solutions



Horizon™ DOAS
DOAS; Packaged product (DX, Air and Water Cooled); Heat Pump, Gas, and Hot Water; <51F Dew Point capability; ERV; AHRI 920 rated



HOXX
Up to 100% outdoor air; Packaged product (DX – Gas Heating); >51F Dew Point capability; ERV; AHRI 340/360 certified; ASHRAE 90.1 compliant

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



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



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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