

Trane® Applied Heating Solutions

Sustainability has a warm side.



We're reimagining and redefining how our industry thinks about heating. We've applied Trane's extensive experience in compressor engineering to help deliver energy-efficient, all-season comfort. Depending on your building's needs, you can opt for a chiller-heater system with a water-source or air-source heat pump, a heat recovery system or a multipipe system that delivers cooling and heating simultaneously.



Water-Sourced



Series R® Model RTWD

Application:
Heat pump
Heat recovery

Compressor Type:
Helical rotary compressor

Tons and MBH:
80-250 tons;
600-3,000 MBH

Refrigerant:
R-513A
or R-515B

Max Hot Water Temp:
140°F (60°C)
w/ R-513A;
165°F (74°C)
w/ R-515B

Max Lift:
~100°F (38°C)
w/ R-513A;
~125°F (52°C)
w/ R-515B



Series R® Model RTHD

Application:
Heat pump
Heat recovery

Compressor Type:
Helical rotary compressor with variable speed option

Tons and MBH:
175-400 tons;
2,100-5,000 MBH

Refrigerant:
R-513A

Max Hot Water Temp:
111°F (44°C)

Max Lift:
~82°F (28°C)



CenTraVac® Models CVHE and CVHF

Application:
Heat pump
6-pipe heat recovery

Compressor Type:
Centrifugal

Tons and MBH:
4-pipe or 6-pipe:
300-1,800 tons;
5,100-30,000 MBH

Refrigerant:
R-514A

Max Hot Water Temp:
115°F (46°C)

Max Lift:
~75°F (24°C)



CenTraVac® Model CVHH

Application:
Heat pump
6-pipe heat recovery

Compressor Type:
Centrifugal

Tons and MBH:
4-pipe:
900-2,000 tons;
15,300-30,000 MBH
6-pipe:
800-2,000 tons;
9,600-30,000 MBH

Refrigerant:
R-1233zd

Max Hot Water Temp:
up to 140°F (60°C)

Max Lift:
~80°F (27°C)



CenTraVac® Model CDHH

Application:
Heat pump
6-pipe heat recovery

Compressor Type:
Centrifugal

Tons and MBH:
4-pipe or 6-pipe:
2,000-5,000 tons;
24,000-60,000 MBH

Refrigerant:
R-1233zd

Max Hot Water Temp:
up to 140°F (60°C)

Max Lift:
~80°F (27°C)



Agility® Model HDWA

Application:
Heat pump
Heat recovery

Compressor Type:
Centrifugal

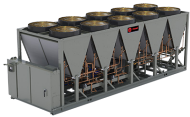
Tons and MBH:
275-450 tons;
4,675-7,650 MBH

Refrigerant:
R-513A

Max Hot Water Temp:
130°F (54°C)

Max Lift:
~80°F (29°C)

Air-Sourced



Ascend® Model ACX

Application: Heat pump	Compressor Type: Fixed speed scroll	Tons and MBH: 140 - 230 tons; 1,500-3,000 MBH	Refrigerant: R-454B	Max Hot Water Temp: 90°F (32°C) at 0°F (-18°C) air temperature; 140°F (60°C) at 50°F (10°C) air temperature
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Modular



Thermafit® Model AMC

Application: 4-pipe heat recovery	Compressor Type: Fixed speed scroll with variable speed option	Tons and MBH: 30-80 tons; 410-1,074 MBH (1-12 mod/bank)	Refrigerant: R-454B	Max Hot Water Temp: 140°F (60°C)
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Thermafit® Model AXM

Application: Reversible air-to-water heat pump	Compressor Type: Fixed speed vapor injection scroll	Tons and MBH: 30 tons; 374 MBH (2-12 mod/bank)	Refrigerant: R-454B	Max Hot Water Temp: 140°F (60°C) at 10°F (-12°C) air temperature; 130°F (54°C) at 0°F (-18°C) air temperature
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Thermafit® MAS

Application: Air-source modular multi-pipe	Compressor Type: Tandem fixed speed vapor injection scroll	Tons and MBH: 30 tons; 433 MBH (3-10 mod/bank)	Refrigerant: R-454B	Max Hot Water Temp: Heating mode: 140°F (60°C) at 10°F (-12°C) air temperature; 130°F (54°C) at 0°F (-18°C) air temperature Simultaneous mode: 140°F (60°C)
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Thermafit® Model MWC

Application: Heat recovery	Compressor Type: Fixed speed scroll with variable speed option	Tons and MBH: 15-800 tons (203-1,083 MBH); (1-12 mod/bank)	Refrigerant: R-454B or R-513A	Max Hot Water Temp: R454B: 140°F (60°C) R513A: ~175°F (79°C) Max Lift: ~95°F (35°C)
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Thermafit® Model MWS

Application: Water-source modular multi-pipe	Compressor Type: Tandem set fixed speed scroll	Tons and MBH: 6-pipe 30-60 tons; 432-942 MBH (3-10 mod/bank)	Refrigerant: R-454B	Max Hot Water Temp: 140°F (60°C) Max Lift: ~95°F (35°C)
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Thermafit® Model WXM

Application: Reversible water-to-water heat pump	Compressor Type: Fixed speed scroll with variable speed option	Tons and MBH: 4-pipe, 20-80 tons; 262-1,033 MBH (1-12 mod/bank)	Refrigerant: R-454B	Max Hot Water Temp: 140°F (60°C) Max Lift: ~95°F (35°C)
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The future of applied heating systems is evolving rapidly. Looking for other systems or new ways to apply these systems? Contact your Trane Account Manager to learn more.



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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