

Trane® Applied Heating Solutions

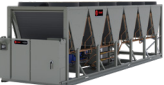
Sustainability has a warm side.



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 thermal management. Depending on your building's needs, you can opt for a heat pump chiller system with a water-source or air-source heat pump, a heat recovery system or a multi-pipe system that delivers cooling and heating simultaneously.



	APPLICATION	COMPRESSOR TYPE	TONS AND MBH	REFRIGERANT	MAX HOT WATER TEMP	MAX LIFT
Water-Sourced						
Agility® Model HDWA						
	Heat pump Heat recovery	Centrifugal	275-500 tons; 2,100-4,900 MBH	R-513A	130°F (54°C)	~80°F (29°C)
CenTraVac® Model CDHH						
	Heat pump 6-pipe Heat recovery	Centrifugal	4-pipe or 6-pipe: 2,000-5,000 tons; 24,000-60,000 MBH	R-1233zd	Up to 140°F (60°C)	~80°F (27°C)
CenTraVac® Models CVHE CVHF						
	Heat pump 6-pipe Heat recovery	Centrifugal	4-pipe or 6-pipe: 300-1,800 tons; 5,100-30,000 MBH	R-514A	115°F (46°C)	~75°F (24°C)
CenTraVac® Model CVHH						
	Heat pump 6-pipe Heat recovery	Centrifugal	4-pipe: 900-2,000 tons; 15,300-30,000 MBH 6-pipe: 800-2,000 tons; 9,600-30,000 MBH	R-1233zd	Up to 140°F (60°C)	~80°F (27°C)
Series R™ Model RTHD						
	Heat pump Heat recovery	Helical rotary compressor with variable speed option	175-400 tons; 2,100-5,000 MBH	R-513A	111°F (44°C)	~82°F (28°C)
Series R™ Model RTWD						
	Heat pump Heat recovery	Helical rotary compressor	80-250 tons; 600-3,000 MBH	R-513A or R-515B	140°F (60°C) w/ R-513A; 165°F (74°C) w/ R-515B	~100°F (38°C) w/ R-513A; ~125°F (52°C) w/ R-515B

	APPLICATION	COMPRESSOR TYPE	TONS AND MBH	REFRIGERANT	MAX HOT WATER TEMP
Air-Sourced Ascend™ Model ACX 	Heat pump	Fixed speed scroll Vapor injection scroll	80-230 tons; 1,000-3,000 MBH	R-454B	80-120T 120°F (49°C) leaving at -15°F (-26°C) ambient*; Up to 145°F (63°C) leaving at 10°F (-12°C) ambient* *requires a waterside reversing valve 140-230T 90°F (32°C) leaving at 0°F (-17°C) ambient; Up to 140°F (60°C) leaving at 55°F (13°C) ambient
Air-Cooled Model CGAM 	Partial heat recovery	Scroll	20-130 tons; 60-390 MBH	R-454B	140°F (60°C) leaving at 45°F (7°C) ambient; 45°F (7°C) to 125°F (52°C) ambient
Ascend™ Model ACS 	Partial heat recovery	Scroll	140-230 tons; ~1000-1800 MBH	R-454B	140°F (60°C) leaving at 45°F (7°C) ambient 45°F (7°C) to 125°F (52°C) ambient
Modular Thermafit™ Model AMC 	4-pipe heat recovery	Fixed speed scroll with variable speed option	15-80 tons; 410-1,074 MBH (1-12 mod/bank)	R-454B	140°F (60°C)
Thermafit™ Model AXM 	Reversible air-to-water heat pump	Fixed speed vapor injection scroll	30 tons; 374 MBH (1-12 mod/bank)	R-454B	140°F (60°C) leaving at 10°F (-12°C) ambient; 130°F (54°C) leaving at 0°F (-18°C) ambient; 120°F (49°C) leaving at -18°F (-28°C) ambient
Thermafit™ Model MAS 	Air-source multi-pipe	Tandem fixed speed vapor injection scroll	30 tons; 433 MBH (3-10 mod/bank)	R-454B	Heating mode: 140°F (60°C) leaving at 10°F (-12°C) ambient; 130°F (54°C) leaving at 0°F (-18°C) ambient Simultaneous mode: 140°F (60°C)
Thermafit™ Model MWC 	Heat recovery	Fixed speed scroll with variable speed option	15-80 tons (203-1,083 MBH); (1-12 mod/bank)	R-454B or R-513A	Heat Recovery mode: R-454B: 140°F (60°C); R-513A: ~175°F (79°C) Max Lift: ~95°F (35°C)
Thermafit™ Model MWS 	Water-source multi-pipe	Tandem set fixed speed scroll	6-pipe 30-60 tons; 432-942 MBH (3-10 mod/bank)	R-454B	Heating mode: 140°F (60°C) Max Lift: ~95°F (35°C)
Thermafit™ Model WXM 	Reversible water-to-water heat pump	Fixed speed scroll with variable speed option	4-pipe, 20-80 tons; 262-1,033 MBH (1-12 mod/bank)	R-454B	Heating mode: 140°F (60°C) Max Lift: ~95°F (35°C)

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.

All trademarks referenced in this document are the trademarks of their respective owners.

© 2025 Trane. All Rights Reserved.

EDU-SLB071-EN
09/25/2025