

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: 2,000-6,000 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
Series R® Model RTWD  Heat pump Heat recovery	Helical rotary compressor	110-250 tons; 1300-3000 MBH	R-1233zd	210°F (99°C)	130°F (54°C)

	APPLICATION	COMPRESSOR TYPE	TONS AND MBH	REFRIGERANT	MAX HOT WATER TEMP
Air-Sourced Ascend™ Model ACX 	Heat pump	Vapor injection scroll; Fixed speed 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; 120°F (49°C) leaving at -18°F (-8°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.



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