CHILLMASTER
Heating and Cooling Equipment

MADE IN USA

Air Source Modular Heat Pump

Redefine the Concept of Sustainable Comfort

At ChillMaster, we're on a mission to revolutionize HVAC systems, making them more sustainable and environmentally friendly. Our Air Source Heat Pumps are at the heart of this mission, offering high efficiency and sustainability.

ChillMaster's air source heat pumps not only delivers hot water at 140°F (60°C) with peak COP but also boasts a wide operating range, ensuring versatility in various applications. What's more, it uses low GWP R-454b refrigerant, making it the top choice for eco-conscious commercial environments like offices and schools.

Operate More Sustainability

ChillMaster air source modular heat pumps are an affordable and effective first step towards decarbonizing commercial, industrial, and institutional buildings.

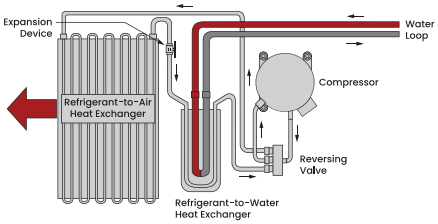
Unlike conventional electric resistance, heat pumps excel are up to three times more energy-efficient.

Opting for an all-electric heating and cooling system is smart when you are striving to meet regulations, attain certifications or achieve a net zero energy building.

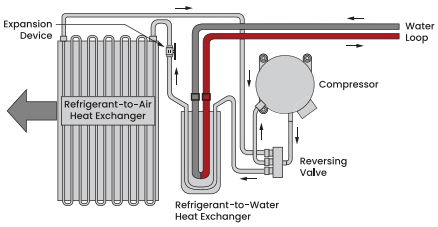
Decarbonize with Confidence

- All-in-one, simultaneous heating and cooling solution
- 30 ton modular design with single point electrical connection, allowing up to 10 linked modules for large capacity applications
- Reliable operation in ambient temperatures of -15°F ~ 140°F
- Cooling mode: 30 tons cooling with 40°F chilled water
- Heating mode: 140°F domestic/hydronic water
- Refrigerant: R-454b
  - GWP = 466 (AR4)/467 (AR5), 78% reduction vs. R-410A
- High-efficiency liquid injection scroll compressor
- 2-pipe, 4-pipe, and domestic water heating configurations
- 24/7 cellular remote monitoring
- Engineered, manufactured and tested in Murfreesboro, TN

Heat Pump in Cooling Mode



Heat Pump in Heating Mode



ChillMaster AMP Air Source Heat Pump (2-Pipe or 4-Pipe System)			
Performance	**Cooling Mode**		
	Cooling Capacity	Ton	30
	Input Power	kW	30/6
	EER	Btu/w	10.5
	Heating Mode		
	Heating Capacity	Btu/h	432,000
	Input Power	kW	31.7
	COPh	kW/kW	3.6
Refrigerant	Type	No.	R-454b or R-410a
	Refrigerant Circuit	No.	1 or 2
Compressor	Type		Liquid Injection Scroll
	Capacity Step		2
	Quantity	No.	2
Air Side Heat Exchanger	Coil Type		Copper Tube, Aluminum Plate Fin
	Fan Type		High Static Axial ECM Fans
	Fan Quantity	No.	2
	Working Ambient Temp (Cooling)	°F	-5 ~ 140
	Working Ambient Temp (Heating)	°F	-15 ~ 95
Water Side Heat Exchanger	Type		Braze Plate, Double-Wall or Coaxial
	Water Connection Type		Victaulic
	Norminal Water Flow Rate (Cooling)	gpm	64.3
	Norminal Water Flow Rate (Heating)	gpm	81.9
	Pressure Drop (Cooling)	ft H20	15
	Pressure Drop (Heating)	ft H20	15
	Minimum Leaving Water Temp (Cooling)	°F	35
	Minimum Leaving Water Temp (Heating @ 5°F EAT)	°F	140
Dimensions and Weight	Length	In	96
	Width	In	48
	Height	In	89
	Shipping Weight	lb	3100
	Operation Weight	lb	3500
Electrical	Voltage	V/ph/hz	460/3/60 (230/3/60)
	MOP	A	100 (200)
	MCA	A	75 (150)
	RLA	A	69 (135)
	SCCR	kA	65

Learn more at chillmaster.net

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