

# 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 (AMP) 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.

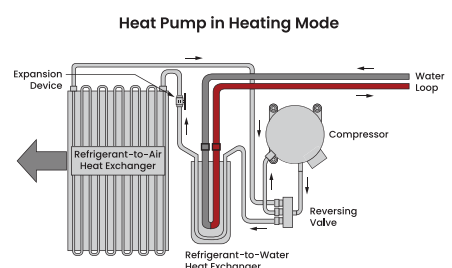
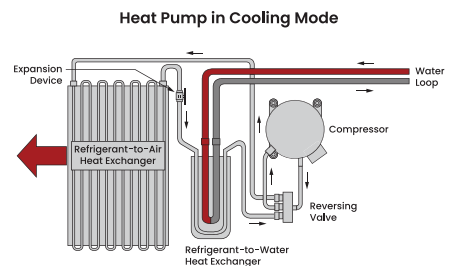
Unlike conventional electric resistance, heat pumps excel are up to three times more energy-efficient.

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 ~ 125°F
- Cooling mode: 30 tons cooling with 40°F chilled water
- Optional Low-Temp Heat Exchanger: 34°F glycol-free cooling
- Heating mode: 140°F domestic/hydronic water
- High-efficiency liquid injection scroll compressor
- 2-pipe, 4-pipe, and domestic water heating configurations
- 24/7 cellular remote program monitoring (RPM)
- Engineered, manufactured and tested in Murfreesboro, TN



## ChillMaster AMP Air Source Heat Pump (2-Pipe or 4-Pipe System)

<b>Performance</b>	<b>Cooling Mode (44°F LWT @ 95°F Ambient)</b>		
	Cooling Capacity	Ton	25.3
	Input Power	kW	29.2
	EER	Btu/Wh	10.4
	<b>Heating Mode (105°F LWT / 140°F LWT @ 47°F Ambient)</b>		
	Heating Capacity	Btu/h	372,000 / 339,000
	Input Power	kW	30.6 / 43.6
	COPh	kW/kW	3.6 / 2.3
<b>Refrigerant</b>	Type		R-454b
	Refrigerant Circuit	No.	2
<b>Compressor</b>	Type		Liquid Injection Scroll
	Capacity Step		2
	Quantity	No.	2
<b>Air Side Heat Exchanger</b>	Coil Type		Copper Tube, Aluminum Plate Fin
	Fan Type		High Static Axial ECM Fans
	Fan Quantity	No.	2
	Working Ambient Temp (Cooling)	°F	-5 ~ 125°F
	Working Ambient Temp (Heating)	°F	-15 ~ 95
<b>Water Side Heat Exchanger</b>	Type		Braze Plate, Double-Wall, Low-Temp
	Water Connection Type		Grooved
	Nominal Water Flow Rate (Cooling) 44°F LWT	gpm	60.6
	Nominal Water Flow Rate (Heating) 105/140°F LWT	gpm	74.3 / 33.9
	Pressure Drop (Cooling)	ft H2O	3.7
	Pressure Drop (Heating)	ft H2O	7.6 / 1.9
	Minimum Leaving Water Temp (Cooling)	°F	35
	Minimum Leaving Water Temp (Heating @ 5°F EAT)	°F	140
<b>Dimensions and Weight</b>	Length	In	96
	Width	In	48
	Height	In	89
	Shipping Weight	lb	3100
	Operation Weight	lb	3500
	<b>Electrical</b>	Voltage	V/ph/hz
MOP		A	100 (200)
MCA		A	75 (150)
RLA		A	69 (135)
SCCR		kA	65

Learn more at [chillmaster.net](http://chillmaster.net)