






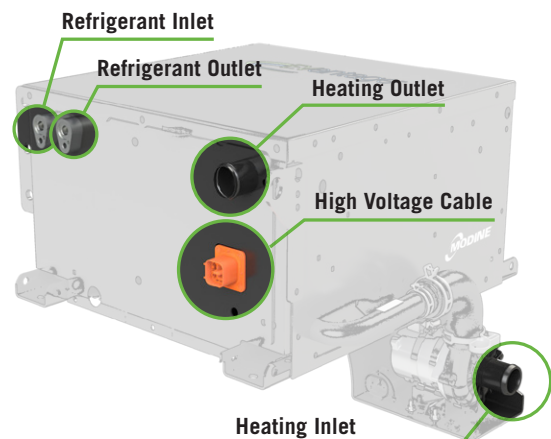
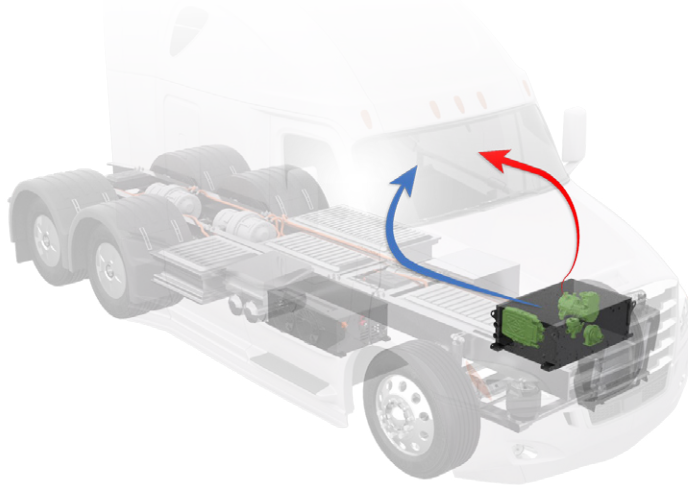
## CABIN CLIMATE SYSTEM

Reduce the design complexity of your HVAC system with the Modine EVantage Cabin Climate System (CCS). The CCS provides optimal temperature regulation and control for an electric vehicle's cabin in all climates, providing complete heating and cooling solutions for your electric vehicle's cabin HVAC system. The CCS is a comprehensive solution for many applications, including commercial, industrial, off-highway, and specialty electric vehicles. Equipped with Modine smart electric components, an integrated master thermal controller, and Modine-developed firmware, HVAC system development is efficient with its lightweight design for small space claims.



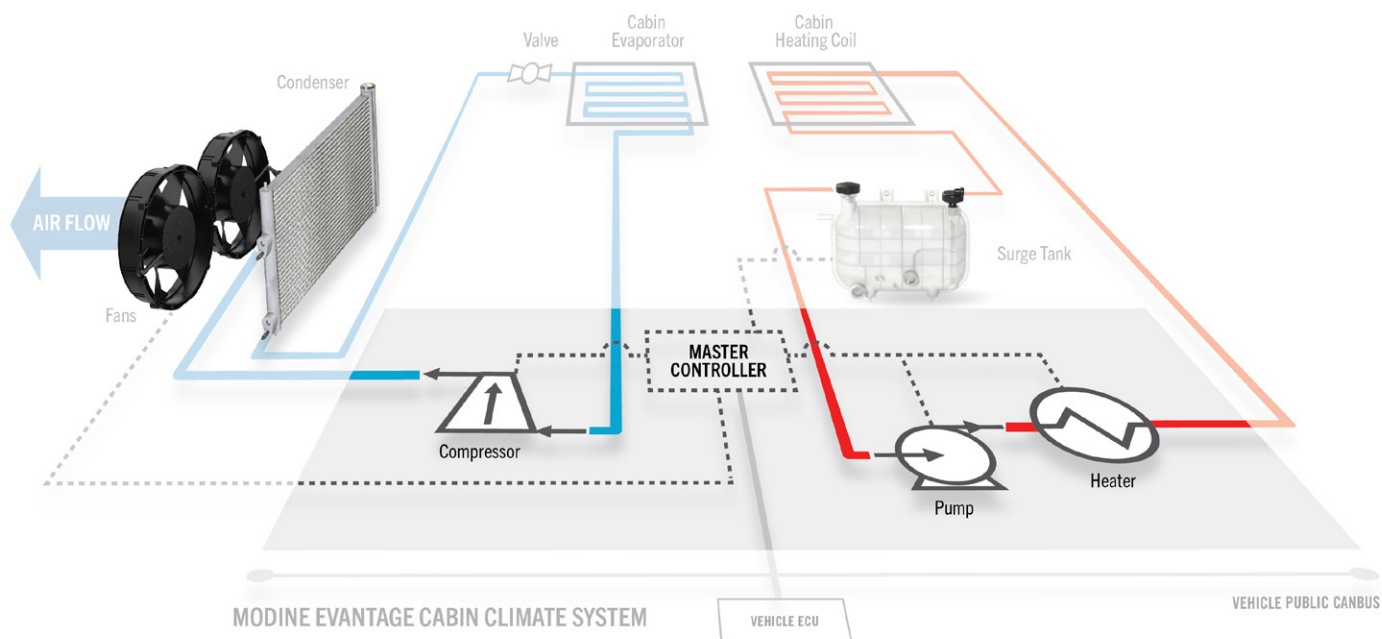
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**FLEXIBLE**  
 Its compact design makes it easy to fit in any chassis
- 
**SERVICEABLE**  
 Designed with EVantage Thermal Management Systems standard components, the CCS can be serviced seamlessly and easily
- 
**WEATHER-SAFE**  
 Designed for harsh environments – ingress protection, corrosion resistant materials, fully sealed, rigorous validation testing

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**RELIABLE**  
 Modine patented fail-safe system for maximum system reliability
- 
**CONVENIENT**  
 Included master thermal controller with Modine-developed firmware
- 
**EASY MAINTENANCE**  
 Included maintenance and diagnostics software for system monitoring, diagnostics message data logging and preventative maintenance tracking



### PERFECT FOR MULTIPLE VEHICLE APPLICATIONS





**THE CABIN CLIMATE SYSTEM PROVIDES IMMEDIATE HEATING AND COOLING.**

Designed with the Modine EVantage High-Voltage Electric Compressor, High-Voltage Coolant Heater, and Coolant Pump.

**TECHNICAL DATA**

	<b>MOD-CCS-52-12-10</b>	<b>MOD-CCS-52-24-10</b>
<b>Status</b>	In Production	In Production
<b>Active Cooling Circuit</b>	12 kW	12 kW
<b>Maximum Power Consumption</b>		
High Voltage (Heating)	10 kW	10 kW
High Voltage (Cooling)	4.5 kW	4.5 kW
Low Voltage	1.9 kW	1.9 kW
<b>Voltage Inputs</b>		
High Voltage	450 - 860 V	450 - 860 V
Low Voltage	12 V	24 V
<b>Heater Capacity</b>	10 kW	10 kW

**Modine Manufacturing Company**

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