







## ALUMINUM TANK E-FAN COOLING MODULE

Built to withstand the most challenging environments, the durable Aluminum Tank e-Fan Cooling Module (AT-ECM) can withstand 150 psi maximum operating pressure while effectively cooling your bus's engine. Designed with a state-of-the-art aluminum bar plate radiator and smart electric fans, the AT-ECM is a robust solution for your diesel, CNG, or hybrid electric bus.



-  **DURABLE**  
Ready to withstand any environment
-  **CUSTOMIZABLE**  
Multiple configurations for different space constraints and cooling capacity
-  **WEATHER-SAFE**  
Designed for harsh environments – IP67 ingress protection, corrosion resistant materials, fully sealed wiring harness, rigorous validation testing
-  **RELIABLE**  
Modine patented fail-safe fan system with a bar-plate radiator can withstand 150 PSI operating pressure
-  **CONVENIENT**  
Included master thermal controller with Modine-developed firmware and SAEJ1939 CAN communications
-  **EASY MAINTENANCE**  
Included Maintenance and Diagnostics Software for system monitoring, diagnostics message data logging and preventative maintenance tracking



### PERFECT FOR MULTIPLE BUS APPLICATIONS



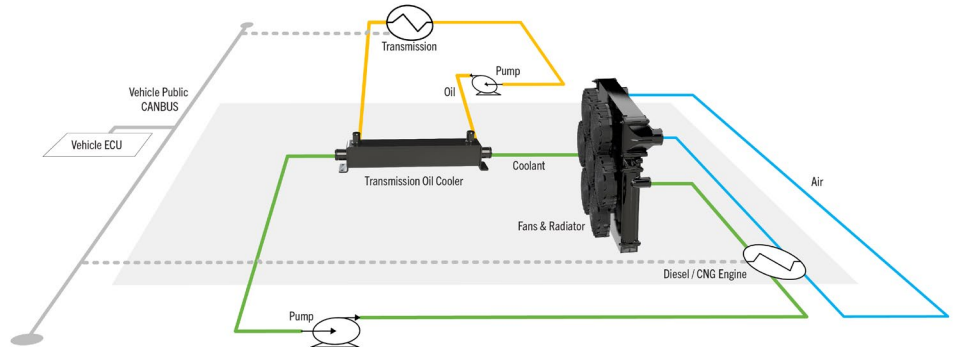
Our products are designed and tested at our headquarters in Racine, WI; and manufactured in Lawrenceburg, TN.



## INTELLIGENT COOLING FOR YOUR BUS'S ENGINE

**With its active cooling loop, the AT-ECM can efficiently cool your diesel engine.**

The smart controls communicate to the array of electric fans to activate when the vehicle is operable. The cooling loops are comprised of heat exchangers that extract heat from the coolant or charge air circuits to the ambient air.



### EVANTAGE™ AT-ELECTRONIC COOLING PACKAGE TECHNICAL DATA

#### TECHNICAL DATA

	4-Fan	5-Fan	6-Fan	8-Fan
<b>Status</b>	In Production	In Production	In Production	In Production
<b>Maximum Cooling Capacity</b>	144 kW	164 kW	186 kW	233 kW
Cooling Capacity @				
Outside Temperature	49°C	49°C	49°C	49°C
Coolant Inlet Temperature	107°C	107°C	107°C	107°C
Coolant Flow	18,000 l/h	18,000 l/h	18,000 l/h	18,000 l/h
<b>Maximum Power Consumption</b>	3.0 kW	3.6 kW	4.2 kW	5.6 kW
<b>Dimensions (L x W x H)</b>	910 x 670 x 300 mm	1000 x 640 x 300 mm	1100 x 630 x 300 mm	1100 x 840 x 300 mm
<b>Control Interface</b>	CANBUS J1939	CANBUS J1939	CANBUS J1939	CANBUS J1939

