

## ELECTRONICS COOLING PACKAGE

The EVantage ECP is a complete solution designed to effectively cool down the power electronics and traction motor of your electric vehicle. Combining state-of-the-art, proprietary Modine heat exchanger technology with tailored smart electric fans, the EVantage ECP delivers a complete solution, including a master thermal controller and Modine-developed firmware, in an easy-to-integrate package.



### **CUSTOMIZABLE**

Multiple configurations for different space constraints and cooling capacity



### **FLEXIBLE**

Different mounting options – roof, chassis, body – available testing



### **WEATHER-SAFE**

Designed for harsh environments – IP67 ingress protection, corrosion resistant materials, fully sealed wiring harness, rigorous validation testing



### **RELIABLE**

Modine patented fail-safe system for maximum system reliability



### **CONVENIENT**

Included master thermal controller with Modine-developed firmware and SAEJ1939 CAN communications

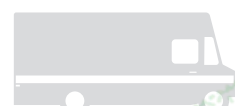


### **EASY MAINTENANCE**

Included Maintenance and Diagnostics Software for system monitoring, diagnostics message data logging and preventative maintenance tracking



### PERFECT FOR MULTIPLE VEHICLE APPLICATIONS

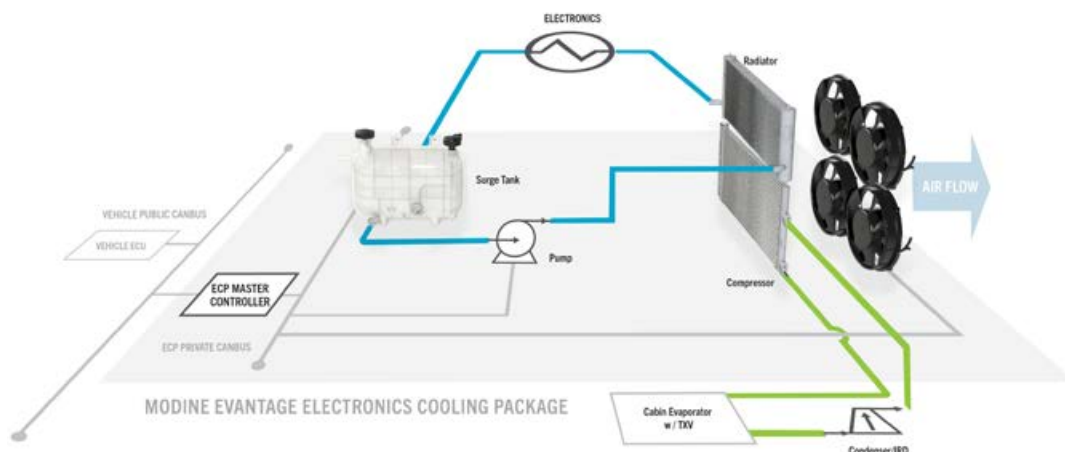


Our products are designed and tested at our headquarters in Racine, WI; and manufactured in Lawrenceburg, TN.



## MULTI-ZONE COOLING FOR REDUCED POWER DRAW

With multi-zone cooling, each ECP is designed to your specification with small to large fan arrays that operate only when required, minimizing the power draw.



## EVANTAGE™ ELECTRONICS COOLING PACKAGE TECHNICAL DATA

|                                      | 1-Fan              | 2-Fan              | 4-Fan              | 6-Fan               |
|--------------------------------------|--------------------|--------------------|--------------------|---------------------|
| <b>Status</b>                        | In Production      | In Production      | In Production      | In Production       |
| <b>Maximum Cooling Capacity</b>      | 10 kW              | 20 kW              | 30 kW              | 40 kW               |
| Cooling Capacity @                   |                    |                    |                    |                     |
| Outside Temperature                  | 45°C               | 45°C               | 45°C               | 45°C                |
| Coolant Outlet Temperature           | 65°C               | 65°C               | 65°C               | 65°C                |
| Coolant Flow                         | 1,200 l/h          | 1,800 l/h          | 2,700 l/h          | 3,600 l/h           |
| <b>Maximum Power Consumption</b>     | 0.6 kW             | 1.2 kW             | 2.4 kW             | 3.6 kW              |
| <b>Weight (Max.) without Coolant</b> | 10 kg              | 20 kg              | 40 kg              | 60 kg               |
| <b>Dimensions (L x W x H)</b>        | 580 x 370 x 210 mm | 920 x 370 x 210 mm | 920 x 860 x 290 mm | 1150 x 800 x 320 mm |

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