A WORLD OF COMFORT

Hydro Control System (HCS)

PRODUCT BENEFITS:

Lower Energy Demand: recovers and reuses available waste heat to reduce reliance on electrical heating

Optimized Component Performance: precise thermal conditioning supports battery service life and powertrain performance

Flexible Vehicle Integration: modular, pre-integrated architecture adapts to different system requirements and vehicle layouts

TECHNICAL DATA:

PARAMETER[1]	HCS
Electrical Input	24 VDC (16-32 VDC)
Power Consumption	Max. 265 W
Size Total	ca. 736 x 421 x 358 mm^3
Weight Total / 1 Modul (Empty)	ca. 18.5 kg / max. 7.5 kg
Ambient Temperature	-40°C to 85°C
Flow Temperatures	-40°C to 85°C
Control	Onboard E-Control 2.0 + Energy Manager Software
Communication	CAN
E-connected Telematics	Ready
Connections (Consumer/Heat Pump)	Hose ID 22 / 28 mm

[1] Segments: all electrical buses
Contact Eberspächer for further details

KEY FEATURES:

- Modular setup based on customer needs: units for battery conditioning, powertrain conditioning, and front-box cooling available
- Active and passive cooling plus heating capability
- Scalable Energy Manager software for coordinating multiple modules
- Integrated buffer tanks for hydraulic balancing
- Plug-and-play module design with flexible positioning
- Unified management of thermal sources, loads, and radiator connection

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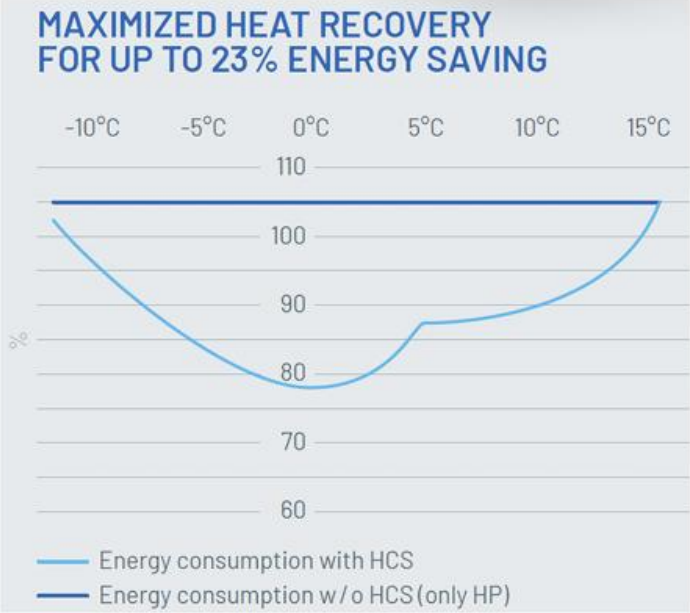

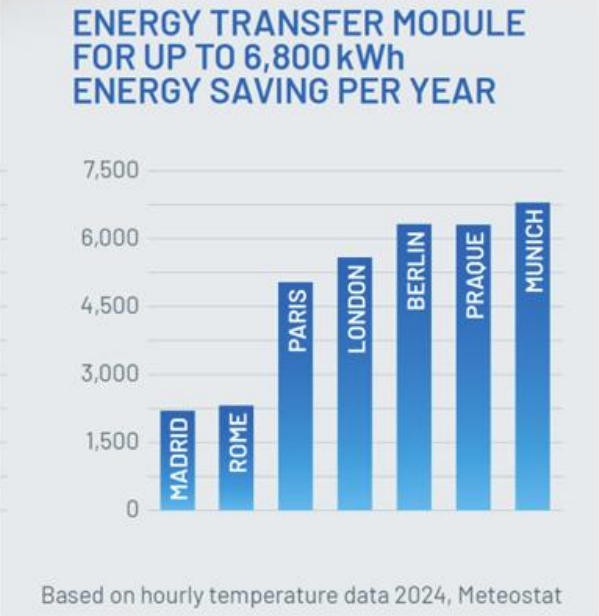

ENERGY SAVING

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