

## **BHTC climate control for Mercedes-Benz „Sprinter“ Limousine-like climate comfort**

*Lippstadt / Hannover, September 2006.* With its latest „Sprinter“ series Mercedes-Benz offers one of the most variable concepts in the compact van class: Customers can order a high roof version, a station wagon, a flat-bed, or a minibus in various equipment packages. BHTC climate controls provide a pleasant interior climate at any kind of driving conditions to all Sprinter models.

The climate control's sophisticated design is tailored to the overall instrument panel design. With their high-class "look and feel", surface and night design, the climate control complies with today's increasing demand for devices that offer equivalent features and appearance in commercial vehicles like they are already standard in normal cars.

### **„Intelligent“ control recognizes vehicle superstructure**

Behind the attractive design there is high performance technology: Independent from the vehicle superstructure the software controls an air distribution system that provides pleasant thermal stratification and ventilation at all seats. A particular benefit: The temperature control adjusts automatically to the vehicle superstructure design the first time the onboard power supply is activated. A parameterization program stored in the software of the control panel ensures optimal climate control – regardless of whether the vehicle has a flatbed, a high roof, partitions between the B or C-columns, is a minibus, or an extended wheelbase version. Depending on the chosen equipment package, besides the front cab area, the control panel is able to control a second roof-mounted air conditioning system and an additional underfloor rear heater

The climate control panel regulates the selected cab temperature taking into account the vehicle's ambient parameters and the optimal use of the heating and cooling capacity available in the heating, ventilation and air conditioning unit (HVAC). The inflow of conditioned air into the vehicle's cab is by means of a blower controlled by the climate control module, which results in a pleasant thermal and acoustic atmosphere.

### **Clear view and warm feet**

In the event of high cab temperatures, the climate control system automatically switches to air circulation mode for a limited period to provide rapid cooling. An additional function delivers dry air to free the windscreen of condensation. In some versions an integrated function makes it possible to use the residual heat available after the engine has been switched off to heat the vehicle for approx. 30 minutes.

### Behr-Hella Thermocontrol GmbH (BHTC) at IAA NFZ 2006

Location: Hall 12 booth C51

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