

Lumikko

TAMING CIRCUMSTANCES

HVAC Solutions

Light Rail Vehicles

With Lumikko modular light rail vehicle solutions, the HVAC-system can flexibly be fitted for different LRV sets. We have developed the most efficient brake energy recovery system on the market to help to minimize the energy consumption during the lifetime of the vehicle.





Energy efficient HVAC solution for light rail vehicles

Passenger area

Cooling capacity	9-14 kW/unit
Air volume	1000-1800 m ³ /h
Total input airflow	1900 m ³
Weight	398 kg/unit
One unit/car	

Driver's cabin

Cooling capacity	2-4,5 kW
Air volume	300-800 m ³ /h
Total air input	800 m ³
Weight	90 kg/unit

- ☒ Additionally available with watercooled brakeresistor system, which is able to recycle up to 90% of braking energy for heating.
- ☒ Unit is adjusting it's functions automatically to meet the best efficiency possible. This is done i.e. by using electric expansion valve and variable speed fans.

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