

LVBD-24

- Low voltage blower AC drive for air-circulation passenger cars -

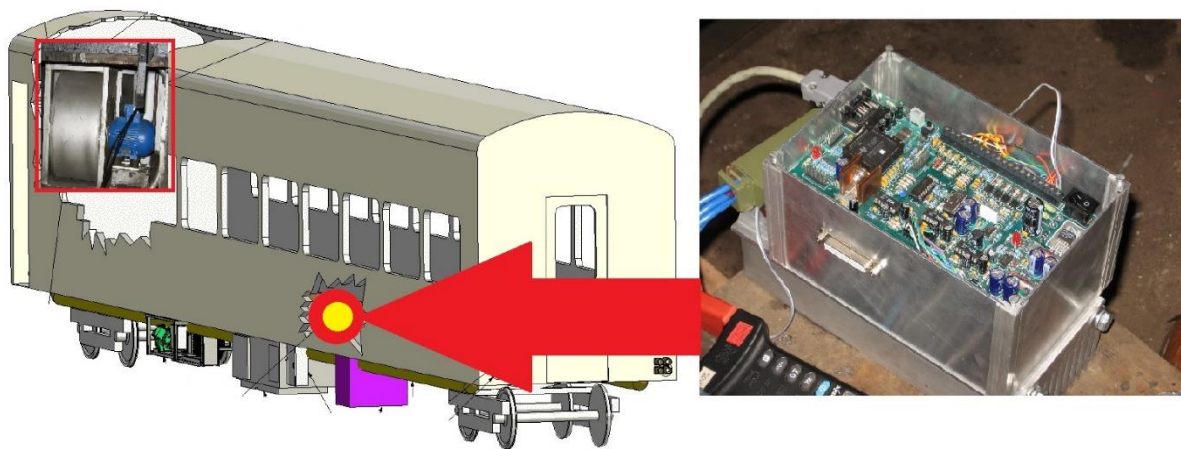
> Customer:

Serbian railways

> Product description:

In order to maintain the air-circulation even when the train remains without the catenary voltage, most blowers are battery supplied, often from a +24V DC. Brushed DC motors are commonly used, with their known reliability and maintenance issues as related to their brushes and the commutator.

LVBD-24 is a compact and robust 3-phase PWM inverter supplied from +24V DC, capable of supplying and controlling squirrel-cage induction motors from 1 HP up to 3 HP. Control features include sensorless speed, flux and torque control, while the protections include input-undervoltage, input-overvoltage, motor I²T protection, overcurrent, excessive slip, short circuit and ground fault.



> DDC involvement:

Concept, hardware design, safety and EMC norms, DSPcontrol software design and communication software design, preseries production and customer support.