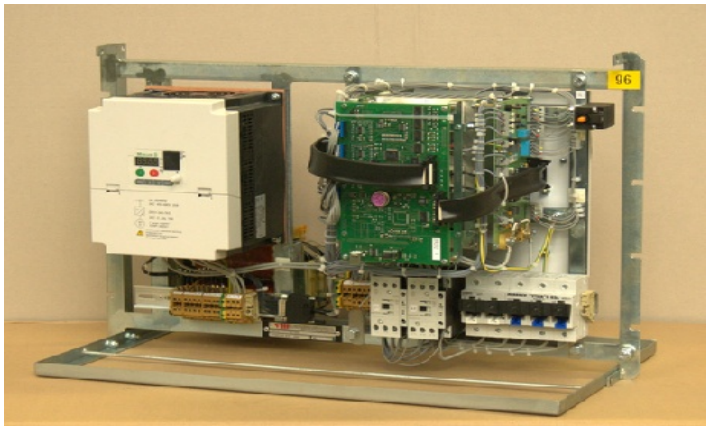
KL-7500
AC/AC CONVERTER



The converter KL-7500 supplies the cooling system of the railway coaches. The input voltage is the down transformed heating voltage. It has two AC output voltages with common potential. One phase output is for the air ventilation of the cooling system and three phases output is for the compressor motor. The start of the last one is soft start. The converter consists of input rectifier, booster stage, one and three phases inverters supplied by the intermediate DC voltage. The converter has a microprocessor control, a data logging and measuring system which operates as a dual digital storage oscilloscope too. The equipment is mounted in an open frame put in the box fixed to the underframe. The box is ventilated by he cooled air of the cooling system.

Type:	KL-7500
Input voltages	
- down transformed heating voltage	350V -30+20%/30-52Hz
- service voltage	3x400V-15+10%/50Hz
- battery voltage	16-32V
battery current in operation/stand by	300mA/1mA
Output voltages	
- three phases output, in start and stop mode the voltage and the frequency linear change, run up and down time may be set, typical value 3s	3x400V/50Hz
waveform	sinus modulated square wave
nominal power	7,5kW
- one phase output	230V±5%/50Hz
waveform	sinus
nominal power	500VA
The outputs are protected against short circuit	
Proof	IP00
Temperature	0 ... +40°C
Volume of the cooling air	1,2m^3/min
Dimensions	690x450x420mm
Weight	35kg

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