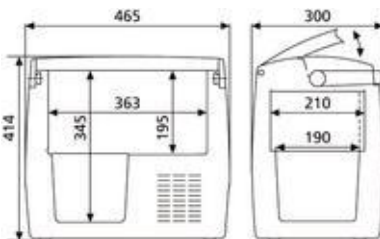


Electric Compressor Cooler



Electric compressor coolers are available in many different variations and capacities. One main producer is Waeco (<http://www.waeco.com>). The price for a good piece of equipment is not cheap, specially when you order in addition to the main device also a protection cover and a mounting kit (from 850 CHF onwards). However, such an investment is worth it. In contrast to cheaper thermoelectrical coolers (only heat dissipation to a certain degree of temperature environment) real compressor refrigerators chill really. Even at +45 degrees Celsius my box works perfectly and even freezes the content if necessary (cooling power according to producer: -18 to + 10 degrees).

It goes without saying that the power consumption depends heavily on environmental temperature (and potentially the protection cover which is available as an option). At 30 degrees Celsius, the box uses approximately 40W/h. However, it is equipped with a deep discharge protection as not to harm the battery too much. In addition, it is also possible to run the cooler at 220V should you stay for a longer time period at the same place and have access to a power connection (eg camping resort). Everything is built in.

For my needs I have chosen a smaller device (required space) but equipped it with a protection/isolation cover. The (protected) electrical connection is directly attached to the auxiliary car battery as the cooler box itself can be switched on/off.

During the 7 years that I own it, it served me always perfectly, even at very high environmental temperatures (Gobi, Sahara). Despite of the thousands of kilometers on rough road it never had to be repaired or to go to service. With the rubber buffers, the compressor is very well protected against vibration and severe shocks. A real quality product that is worth its price.

Unfortunately I do not have any experience on gas operated coolers.