

Telair, the ideal A/C solution for original equipment too

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Words Andrea Cattaneo



TELECO was established to manufacture terrestrial and satellite TV signal reception systems, with particular focus on devices for camping and recreational vehicles.

By capitalising on the experience gathered in the sector since the 1970s, TELECO decided to diversify and extend research to climate control products for motorhomes and caravans with the TELAIR product line. TELAIR climate control systems fit new rotary compressors to improve efficiency and make the product more compact. The gas used complies with European environment protection regulations and can be readily procured on the market.

The efficiency and quality of the TELAIR range did not go unnoticed internationally: from the major market in Europe come the results of the test conducted by the influential German magazine Promobil on the Telair DualClima 8400H that confirm the superior cooling efficacy of this climate control system compared to other models. More in detail, the Promobil test confirmed that using the DualClima 8400 H with heat pump can save up to 20% of energy. The Promobil test was carried out in the climate chamber of the Germany company EDAG (Automotive Engineering Experte International, based in Fulda), which is known worldwide for its state-of-the-art facilities. The climate chamber measures 8.5 x 5.1 x 4.1 metres and is designed for running simulations in controlled temperature conditions from -40°C to 180°C with humidity levels from 10 to 95%. A 6.8-metre-long Bürtsner Nexxo Time 660 semi-integral motorhome was used for test. The simulation was carried by setting the climate chamber to 35°C with 55% humidity, the equivalent of a typical Mediterranean summer day. The test consisted in holding the motorhome in these environmental conditions for 14 hours. The doors and windows of the vehicle were then clo-

sed and the Telair DualClima 8400H climate control system was turned on at top power. The data were gathered during nine different simulations. Each simulation clearly indicated that the Telair DualClima 8400H reached the set temperature faster than competitors in the same market range. Similarly, the test provided excellent results with the system operating as dehumidifier to achieve the correct temperature/humidity balance. The well-being diagram, that indicates the optimal temperature/humidity conditions, for example 20-24°C with humidity from 40 to 70%, showed that the Telair DualClima 8400H achieved the right balance in just 1 hour 35 minutes.



Vittorio Simioli
 Founding partner of Telair

Vittorio Simioli, founding partner of Telair, commented on the performance of Telair products on the market and on the flattering result of the Promobil test as follows: "The success of the entire DualClima range, and in particular the evident superiority of the 8400H model with respect to competition, found and reasserted by the Promobil test, simply reasserts TELECO's constant commitment: customer-centred dedication and continuous investments in R&D to

Telair 12400 H, designed for Premium motorhomes

Telair 2016-2017 news continues with the DualClima 12400H, a single block air conditioning system specifically designed to be installed on the roof of large-size motorhomes and caravans. Particular care is dedicated to quiet operation both inside and outside the vehicle also for this model. The system has a programmable timer, slow starter, LED lights, super-flat diffuser with sloping profile on all four sides, front and rear air outlets adjustable both sideways and vertically and heat pump. It is suited to be installed on roofs from 30 to 70 mm thick and is also extremely compact. The high-efficiency heat pump outputs a heating power of 3.20 kW consuming just 1.6 kW. On the DualClima 8400H and the DualClima 12400H models, the AUTO function automatically selects the ventilation speed most suited for cooling or heating. Users can simply set the required temperature in the motorhome using the new remote control. A special (optional) interface can be installed on both models to use the new Teleco-Hub app and remotely control the air conditioning system via an iOS or Android smartphone.



provide excellent, advanced products".

From the technical point of view, the DualClima 8400H is recommended for motorhomes up to 8 metres long and may be fitted on any vehicle with roofs from 30 to 70 mm thick provided with a 40 x 40 cm opening. Features include high cooling power, heat pump, high efficiency and excellently quiet operation. The latter particularity is achieved by using low-noise balanced fans and eco-friendly gas that provides optimal operation also at low pressures. What is more, the DualClima 8400H has a programmable timer, a flat diffuser with sloping profile on all four sides, front and rear air outlets adjustable both sideways and vertically, anti-freeze protection sensors, compact dimensions (23.9 x 98 x 65 cm), very light weight (34 kg), automotive style design to integrate with the aerodynamics of modern recreational vehicles and courtesy LED lights. The anti-freeze protection sensors on the condenser and evaporating unit are activated to prevent the formation of ice which would obstruct the air passage.

"As a group, we have collaborating for some time with recreational vehicle manufacturers supplying satellite and terrestrial TV signal reception systems, air conditioning systems and electricity power generators", added Vittorio Simioli. "We have set up a widespread service network across Europe and are acknowledged as a skilled, reliable partner for original equipment as well as after-market products".

TIG 3000 G, all the energy you need from gas

TIG 3000 G is a 230 Vac electricity power generator with inverter technology supplied by a gas (LPG) engine. A modern, more efficient electronic rpm management keeps the noise level down and ensures very low average gas consumption. The remote control panel with simple, user-friendly graphic display provides information on all parameters related to the power generator to the user: oil level, running temperature and power consumption. The device is automatically shut down if the values stray from the standard range. Features of the TIG 3000 G include manual or automatic power generator operation (useful if it is used for recharging batteries). It is also provided with a BOOST button that can be used when extra power is needed for a short time for very high electrical charging.

It may be provided with a special (optional) interface can be installed to use the new Teleco-Hub app and remotely control the power generator via an iOS or Android smartphone.

