



News

07/07/2021

Teleco introduces new Silent Plus air conditioner

Following nearly 18 months of development, the Teleco Group has announced the latest generation of Silent air conditioners with a new Plus versions offering never-seen-before performance and ergonomics.

The new Silent Plus 8100H replaces the previous Silent 8400H and Silent 7400H models and is packed with highly advanced technology. For example, we've poured considerable resources into the design of the new internal diffuser. Like the e-Van model intended for camper vans, this latest diffuser is more compact and has better forced ventilation control.



"One of the most evident changes is the modern-looking internal unit. This now features an ultra-flat diffuser with a tapered profile on both sides, integrated lighting and a talking display", says Raul Fabbri, one of the two founder-owners of Teleco and Telair. "However, we've also made other improvements. For example, the new optimized diffuser increases ventilation power without raising noise levels. So the air flow rate is now an impressive 450 m3/hour".

The new diffuser is much more compact than the previous one. Measuring just 45x45 cm (against the 51x52.5cm of its predecessor), it can easily be installed in the living compartment passageway without obstructing wall unit doors, the wardrobe door or the living area door. It's also significantly thinner, down from a thickness of 6.2 cm on the Silent version to just 4.2 cm on the Silent Plus version, thus enhancing the overall ergonomics of the living area. Like previous models, the Silent Plus operates with a high-efficiency heat pump; providing high heating power at very low consumption rates, it can effectively heat the interior of a motorhome or caravan even with outdoor temperatures as low as 4 °C.

"What's more, the new diffuser lets users retain the ability to wash the filters very quickly. We've also added a ventilation function. This is handy when you simply want to circulate room-temperature air through the vehicle", continues Raul Fabbri. "The new remote control has a more appealing, modern design and a larger display. It also has two 'fast' keys to select the cooling or heating function and thus bring the vehicle interior to the desired temperature quickly. There's also the handy lighting function, where the LED converts into a powerful torch that can be used at night without disturbing the other vehicle occupants".



Note that the Silent Plus 8100 uses the R32 coolant, in line with a Teleco environmental policy that has seen all air conditioners use this gas since 2020. R32 ensures high performance but has less environmental impact than other solutions. For example, it has zero ODP (Ozone Depletion Potential). Moreover, its GWP (Global Warming Potential) is approximately half that of the R407C gas, the equivalent of an approximately 70% reduction in environmental pollution compared to the gases used until now.

"Making this switch – which is perfectly in line with our philosophy of lowering environmental impact and adopting solutions that improve product sustainably – was not as simple as some might think. The R32 gas operates at high pressure, which meant we had to adapt all the systems with larger pipes and fittings and then subject all the technical modifications to a long series of thorough tests. Now, in the event of a leak, any pollution will be less than half that caused by the R407C gas, which is still used by some air conditioning manufacturers, even in the RV sector".

Technical specifications Silent Plus 8100H

- Cooling power 8100 BTU
- Heating power 8000 BTU
- Ventilation speeds 3
- Power supply 230 V – 50 Hz
- Max. absorbed current 4.8 A
- Inrush current 18 A (0.15 s)
- Power absorption for cooling 1050 W
- Power absorption for heating 1050 W
- Required generator 2200 W
- Operating temperature 2-48 °C
- Temperature set-point range 16-31 °C
- Max. air flow rate 450 m3/h
- Weight 35 kg
- External body dimensions 239x980x65 mm
- Diffuser size 42x450x450 mm

TELECO GROUP is a group of leading companies in the recreational vehicle industry, based in Northern Italy. Teleco SpA designs, manufactures and markets a complete range of devices and equipment for terrestrial and satellite TV signal reception, televisions, satellite navigation devices, cameras and monitors, multimedia systems and photovoltaic modules. Telair srl is specialised in the development and manufacture of air conditioners, generators and inverters. The Group's products are marketed throughout Europe, where a widespread support network is available. The TELECO GROUP has two subsidiaries in France and Germany: Teleco GmbH and Teleco sas.

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Stellantis appoints Ned Curic as Chief Technology Officer

Stellantis has appointed Ned Curic, currently VP of Alexa Automotive, Amazon as Chief Technology Officer (CTO) on August 30, 2021.

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