



## Plus: the evolution of Silent

The new Silent Plus 5900H and Silent Plus 8100H models upgrade the previous models in the Silent range and offer improved technical and technological specifications: higher performance with a compact, thin internal diffuser

*Words Giorgio Carpi*



**T**eleco Group presented its new Silent Plus range of air conditioners at the Düsseldorf and Parma exhibitions. The development of this new generation of products, which replace the Silent versions with higher performance, more ergonomic versions, took almost a year and a half. The Silent Plus 5900H replaces the old Silent 5400H, while the Silent Plus 8100H replaces the Silent 8400H and Silent 7400H. Both new models stand out for their advanced specifications and technologies. The design of the new internal diffuser which, like the e-Van models for campervans, is more compact and offers better forced ventilation management, is itself a major advance.

*"One the most evident characteristics of the new models is the modern design of the internal unit, with its ultra-flat diffuser with streamlined profile on both sides, integrated lighting and talking display,"* says Raul Fabbri, one of the two founders and owners of Teleco and Telair, *"but this is just one of the improvements they offer. For instance, the new optimised diffuser enabled us to increase ventilation power without increasing running noise. The air flow*



rate is now 450 m3/h."

The new diffuser is more compact than its predecessor. Measuring just 45x45 cm in comparison with the previous model's 51x52.5cm, it is easy to install in the interior corridor without interfering with the wall unit, wardrobe or cell doors. It also has a much lower profile, down to 4.2 cm from the Silent version's 6.2 cm, which considerably improves the ergonomics of the living space. As on the previous models, the Silent Plus also uses a high efficiency heat pump and offers excellent heating power with very low consumption, easily enough to heat the interior of a camper or caravan even with outdoors temperatures of 4°C.

"The new diffuser's filters are just as quick and easy to wash as the previous ones. And we have added a ventilation function, which is extremely handy when you simply want to fan the air inside the camper at ambient temperature," says Raul Fabbri. "The new remote control has more modern styling, with a larger display and two fast buttons for selecting the cooling and heating function to bring the interior quickly up to the desired temperature. It also acts as a powerful LED torch, which is very convenient at night to avoid disturbing the other occupants. The display offers a full range of information on the ambient and setpoint temperatures. We have added the ventilation function, which was not previously available. And the side lights offer supplementary lighting in the interior, also controllable with the remote."

The new models round out the TELECO/TELAIR series of air conditioner solutions, with power levels ranging

from the e-VAN 5400H to the DualClima12500H, including the Silent Plus 5900H, e-VAN 7400H, Silent Plus 8100H and DualClima 8400H. The product range now offers a full range of climate control solutions, running from compact campervans under 5 m in length up to large Premium class motorhomes of more than 10 m. The Silent Plus models also use R32 refrigerant gas, a development which Teleco has rolled out for all its air conditioners, starting in 2020. This gas offers very high performance with a smaller environmental footprint than other solutions. R32 has an ODP (Ozone Depletion Potential) of zero, while its GWP (Global Warming Potential) is around half that of R407C, adding up to a total 70% reduction in its environmental impact over conventional gases.

"This conversion, which reflects the company's philosophy of minimising our environmental impact by adopting solutions which improve the eco-sustainability of our products, was not as simple as it might seem. R32 gas works at a higher operating pressure, and we have had to upgrade all our systems with oversized lines and fittings, while the converted units were also subjected to lengthy and stringent testing. But the result is that now, if a gas leak occurs, the pollution is less than half that of R407C, which is still used by a number of air conditioner manufacturers, including for RVs."

says Raul Fabbri.



The Teleco team at the Caravan Salon Düsseldorf 2021

Technical features	Silent Plus 5900H	Silent Plus 8100H
Cooling power	5900 BTU	8100 BTU
Heating power	5600 BTU	8000 BTU
Fan speed	3 + AUTO	3 + AUTO
Power supply	230 V - 50 Hz	230 V - 50 Hz
Max absorbed current	3 A	4,8 A
Starting current	15 A (0,15s)	18 A (0,15s)
Absorbed power - cooling	680 W	1050 W
Absorbed power - heating	680 W	1050 W
Required generator	2200 W	2200 W
Operating temperatures	2÷43°C	2÷48°C
Setpoint range temperatures	16÷31°C	16÷31°C
Maximum air flow rate	400 m3/h	450 m3/h
Weight	34 kg	35 kg
External dimensions	239x980x650mm	239x980x650mm
Internal dimensions	42x450x450mm	42x450x450mm