

end customer  
alira LWAV



EFFICIENT  
FLEXIBLE &  
INNOVATIVE

air/water heat pump  
outdoor installation  
alira **LWAV**

*the better way to heat*

### All advantages at one sight

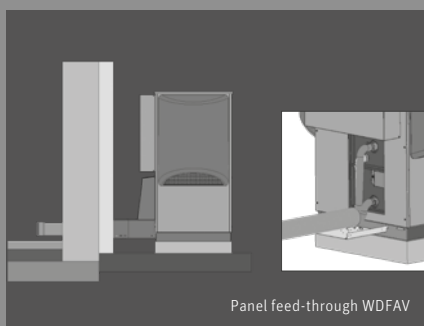
- + One of the quietest air-to-water heat pumps in the market place
- + Even in the smallest of buildings installation possible
- + Efficient and economical operation
- + Heating, cooling & domestic hot water preparation – all in one system
- + Low space requirement in the house, thanks to outdoor installation
- + Easy and quick installation
- + Longlasting aluminium façade, because of weather and corrosion resistance
- + Comfortable temperatures in summer through integrated active cooling



## COOLING INCLUDED



The integrated, active cooling system reverses the heat pump's mode of operation and also uses its heat distribution system for cooling. In this way, the heat pump provides the individual comfort temperature throughout the year.



· **Numerous possible combinations** make the alira LWAV so flexible that almost all requirements can be covered.

· **The optimally matched accessories** enables easy integration and economical operation.

· **Adaptable inverter technology** adjusts the heating output to the current demand and creates planning reliability.

### alira LWAV 82R1/3 / LWAV 122R3 – technical data

type	performance data					device							
	heat output		COP partial load A2/W35	CO <sub>2</sub> -equivalent [t CO <sub>2</sub> ]	sound power level max. / night [dB(A)]	hermetically sealed	Refrigerant			silent-Mode	Eligible	Forerun-temperature max. [°C]	Maße W x L x H [mm]
	A-7 / W35 min. / max. [kW]	A2 / W35 partial load [kW]					capacity [kg]	type	GWP-value				
LWAV 82R1/3	2,3 / 6,5	3,8	4,19	6,3	58 / 52	✓	3,00	R410A	2088	✓	+	60	995 x 840 x 1480
LWAV 122R3	3,6 / 8,5	5,0	4,01	7,5	58 / 53	✓	3,60	R410A	2088	✓	+	60	

+ Check eligibility, as depending on the climate region | All data on heat output and COP according to EN 14511 | All data on sound in accordance with EN 12102

## Always well supported - Services and support from alpha innotec

1. **planning support** – heating output calculation, special planning software, technical service center
2. **alpha conveying service** – minimum effort guarantees maximum conveying
3. **heat source development with Erdwärme PLUS** incl. planning/design, geological preliminary examination and permit application up to detailed documentation
4. **alpha customer service** – commissioning, warranty, maintenance
5. **alpha home** – intelligent individual room control system with app control
6. **alpha service app** – Fast help in case of malfunctions
7. **alpha climate** – controlling your individual climate comfortably from your sofa

## Strong partner for more than 20 years

- Exclusively development and production of heat pumps (= no other heat generators)
- Completely made in Germany
- 750 employees in 24 European countries



## ONE STORAGE – MANY OPPORTUNITIES

(heating, preparation of domestic hot water and, if necessary, integration of further heat generators)

The multi-function storage is designed exactly to meet the requirements of a heat pump heating and is ideal if it is to be combined with other heat generators (solar, photovoltaic, stove with water pockets, ...). Because buffer and hot water preparation are integrated in one unit, more space is available in the boiler room and quick and easy installation is possible.

The domestic hot water is produced using the hygienic continuous flow principle.

# POSSIBLE USES OF THE LWAV

Solutions for almost all requirements



Extremely fast installation with hydraulic module (HV)

Involvement of Solar thermal with SWWS storage



Complete space-saving domestic hot water system with hydraulic station (HSV)



Flexible domestic hot water preparation with hot water storage



Existing components can be used, by installing the wall controller (WR)



Prepared for the Use in intelligent Power networks (SG ready)



Cooling function with Hydraulic module (HV)/Hydraulic station (HSV) up to +18 °C, with wall controller up to +7 °C possible



**In combination with multi-function storage tank** domestic hot water preparation with ...

... photovoltaics ▼

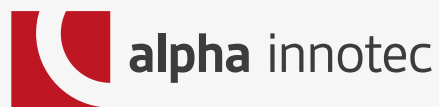


... solar thermal ▼



... water-fired stoves ▶





ait-deutschland GmbH  
Industriestraße 3  
95359 Kasendorf  
Deutschland

T +49 9228 / 9906-0  
F +49 9228 / 9906-189  
E [info@alpha-innotec.de](mailto:info@alpha-innotec.de)

**[www.alpha-innotec.de](http://www.alpha-innotec.de)**