

EN

 **LAMBDA**  
WÄRMEPUMPEN



SCOP  
**6,10**

Top value at the Swiss  
test center in Buchs!  
(as of January 2026)

# EUREKA.

AIR / WATER HEAT PUMPS

10 kW | 13 kW | 15 kW | 20 kW | 35 kW



SUSTAINABLY EFFICIENT.

# INNOVATION DOESN'T HAPPEN BY CHANCE

It is the result of consistent development, uncompromising quality and a clear vision: to approach sustainable energy with technical precision and efficiency. As a multi-award-winning manufacturer of highly efficient air-source heat pumps, we set the standards that others follow.

1-15  
KW HEATING LOAD

PV  
READY

70 °C  
FLOW TEMP.

R290  
100%  
ECO-FRIENDLY

SCOP  
6,10  
EU13L

## EUREKA EU10-15L **A+++**

For more warmth and lower energy bills.

The EUREKA series, with power outputs ranging from 10 to 15 kW, is ideal for use in new-build projects and is also perfect for the renovation of detached and multi-family homes.



5-20  
KW HEATING LOAD

PV  
READY

70 °C  
FLOW TEMP.

R290  
100%  
ECO-FRIENDLY

## EUREKA EU20L **A+++**

The added value for multi-family homes.

With an output of up to 20 kW at -10 °C, the EUREKA EU20L is ideal for larger residential buildings.



**NEW!**

6-34  
KW HEATING LOAD

PV  
READY

70 °C  
FLOW TEMP.

R290  
100%  
ECO-FRIENDLY

## EUREKA MAGNA EU35L **A+++**

The big solution for efficient heating.

With the EUREKA Magna EU35L, LAMBDA is launching its first large-scale heat pump. This heat pump is designed for large-scale applications → residential buildings, larger apartment blocks, industrial halls or commercial applications.



# PROGRESS MUST BE SUSTAINABLE

Our systems do more than just heat or cool. They reduce energy costs, conserve resources and deliver real added value - for people, buildings and the environment. This is made possible by intelligent technology, the use of the natural refrigerant propane, and a commitment to efficiency that goes far beyond industry standards.

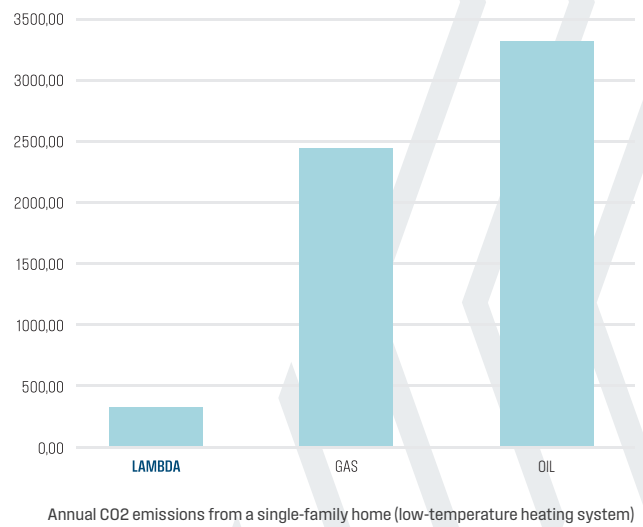
## OVER 30% LESS ELECTRICITY CONSUMPTION

compared to the highest energy efficiency standard, A+++, whisper-quiet operation and operating temperatures of up to 70 °C, LAMBDA heat pumps are **ideal for both new-build and existing properties**. Our successful 3K process is the key to this, making our products among the most energy-efficient in their class.

## SUSTAINABLE IN EVERY RESPECT

Our heat pumps run on **propane (R290)** - a **natural refrigerant** with a Global Warming Potential (GWP) of just 3. By way of comparison, the widely used R410a has a GWP of 1920.

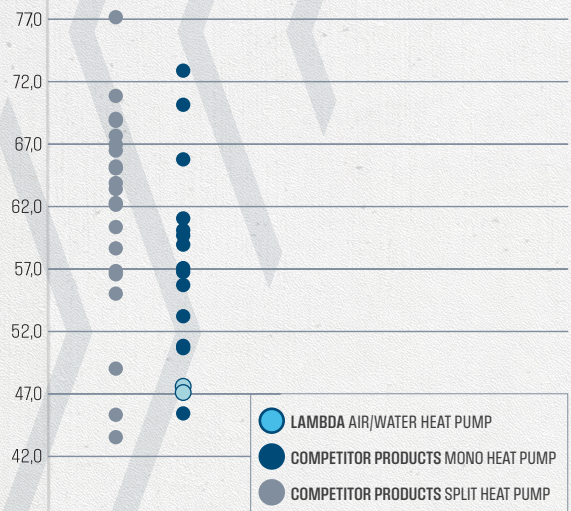
So we're not only saving you money, but also helping the climate. Compared to oil or gas, this **reduces CO2 emissions in single-family homes by around 90%**. In absolute terms, that's several tonnes of CO2 saved from entering the atmosphere every year.



## QUIET BUT POWERFUL

Silent operation combined with maximum energy efficiency.

Tests of the sound power level in accordance with EN 12102 at the Buchs Heat Pump Test Center (Switzerland) that units in the EU-L series are among the **quietest air-source heat pumps on the market**.



Source: Buchs Heat Pump Test Center - List of tested heat pumps (as of January 2026).

# WE ARE REDEFINING ENERGY EFFICIENCY

The best energy is the kind that costs nothing!

But how can free environmental energy be fed into a heat pump as efficiently as possible? Conventional systems reach their limits here. The heat transfer between the energy source and the circulating refrigerant is often too low - valuable environmental energy goes to waste.

## LAMBDA IS DOING THINGS DIFFERENTLY

By using optimised and patented fluid dynamics, we have succeeded in significantly improving heat transfer → **by a factor of four to six**. The evaporation temperature of our refrigerant is, on average, just 3 Kelvin below the inlet temperature of the energy source - a figure that is unique in this context.

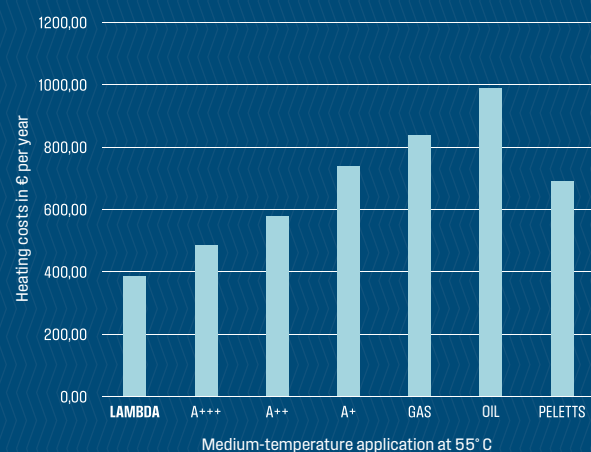
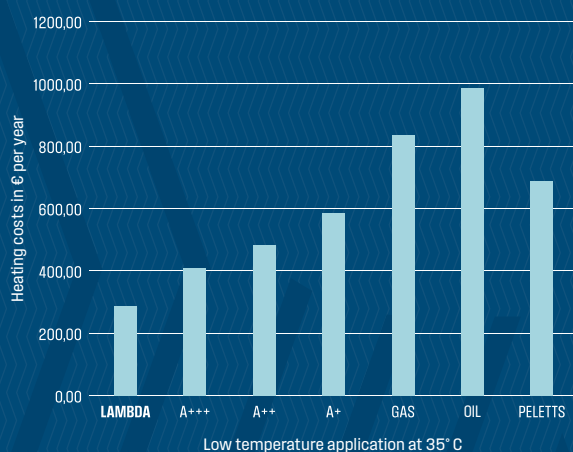
**The result: significantly greater efficiency, measurably better than conventional solutions.**

→ We call this the **3K Process®**.

The 3K-Process® has been successfully implemented in our Eureka-Luft (EU-L) series air-to-water heat pumps. Based on efficiency measurements conducted by an independent testing institute in accordance with EN 14825, it is clear that:

- **Significantly reduced energy consumption**
- **Higher performance**
- **Fewer and shorter defrost cycles**

## HEATING COST COMPARISON FOR 10,000 KWH OF ANNUAL ENERGY CONSUMPTION.

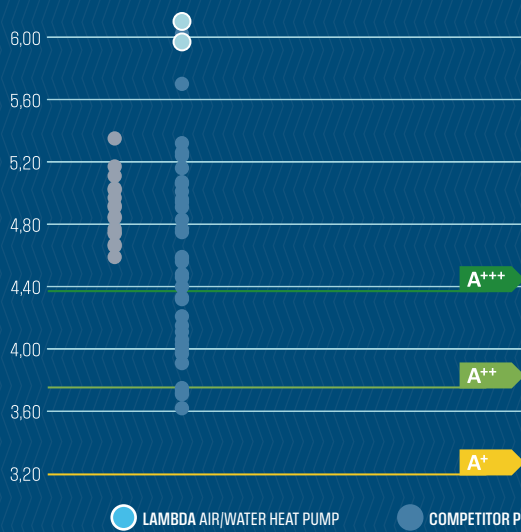


# HEAT

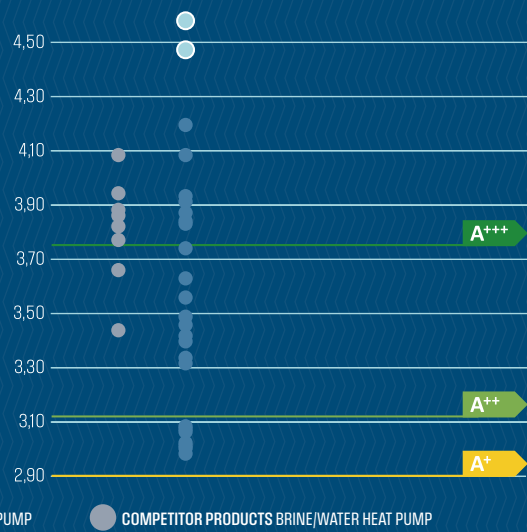
The Eureka Air series of LAMBDA heat pumps **consistently utilises the full temperature range** of the ambient air to generate energy. The result: a range of air source heat pumps that redefines efficiency - proven, measurable and officially certified. With output levels ranging from 10 to 35 kW, the EU-L series ranks among the most energy-efficient air source heat

pumps on the market. On an annual basis, Eureka air source heat pumps are **even more energy-efficient than 97% of all ground source heat pumps available on the market**. The series thus combines the best of both worlds: the economical purchase price of an air source heat pump with the low running costs of a highly efficient ground source solution.

## SCOP\* - Low temperature application / 35 °C



## SCOP\* - Medium-temperature application / 55 °C



Source: Buchs Heat Pump Test Center - List of tested heat pumps (as of January 2026).

\*SCOP (Seasonal Coefficient Of Performance): This is an indicator of the heat pump's energy efficiency over the course of a year and is specified by the manufacturer for various heating systems and climate regions.



## HIGH FLOW TEMPERATURES ARE ESSENTIAL FOR RENOVATING OLDER BUILDINGS

In existing buildings in particular, switching from oil or gas to sustainable heating systems is difficult due to a lack of cost-effective alternatives. This is primarily because of the higher temperatures required to operate radiators. These high temperatures drive up the running costs of a heat pump, which is why the cost-effective use of heat pumps in existing buildings has only been achievable through increased investment.

**LAMBDA heat pumps are different:** the Eureka series is ideally suited for use in existing buildings. Thanks to the 3K process® and optimised operation, running costs are kept to a minimum despite high temperatures.



### REFERENCE: HEATING SYSTEM REPLACEMENT IN OLD BUILDING

- Lambda heat pump: EU13L
- Commissioning: November 2021
- Location: Merano, South Tyrol (Italy)
- Hydraulics: Buffer storage
- Distribution system: Radiators
- Photovoltaic system

→ See more references: [www.lambda-wp.at](http://www.lambda-wp.at)



# BENEFITS OF LAMBDA HEAT PUMPS

- **Maximum efficiency** thanks to the patented 3K process® → up to 30% lower power consumption compared to the highest energy efficiency standard A+++
- **Silent operation** for maximum living comfort
- **Flow temperatures up to 70 °C** → ideal for existing systems and hygienic drinking water preparation
- **Fully modulating** output control for maximum adaptability
- **Intelligent use of PV power** to further reduce energy costs
- **Cooling integrated as standard**
- **No space required** inside the building thanks to a compact outdoor unit
- **Highly efficient** even in **existing buildings**
- **Intelligent load management** for optimized energy use
- **Connected Heat:** With our highly secure, multi-level encrypted remote access, you have everything under control anytime, anywhere for secure system monitoring.
- **LAMBDA Wärmefahrplan® ready:** Proactively optimized heat pump operation by factoring in weather and solar data as well as dynamic electricity prices.



[www.lambda-wp.at](http://www.lambda-wp.at)

**MORE INFO**

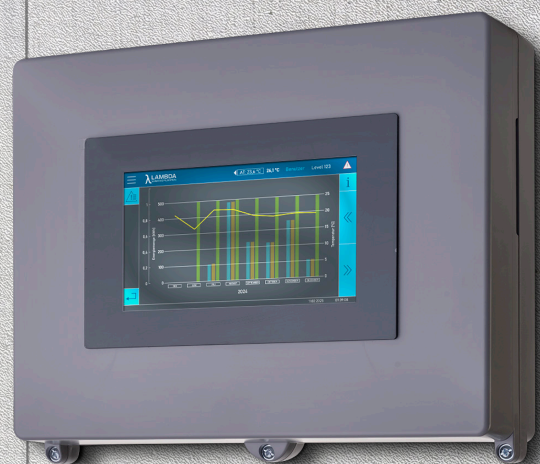


## CONNECTED HEAT

To ensure maximum efficiency of the heat pump, many settings can be adjusted directly via our remote maintenance platform, "Connected Heat."

The proven LAMBDA user interface enables **intuitive operation and flexible adaptation** to individual heating needs.

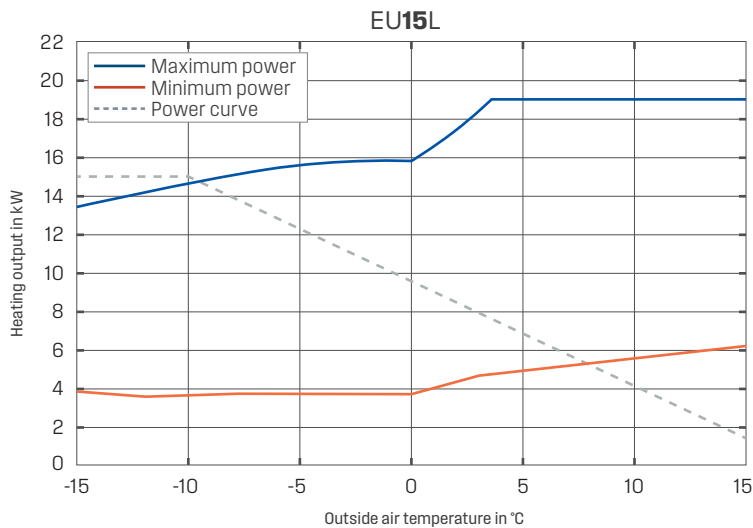
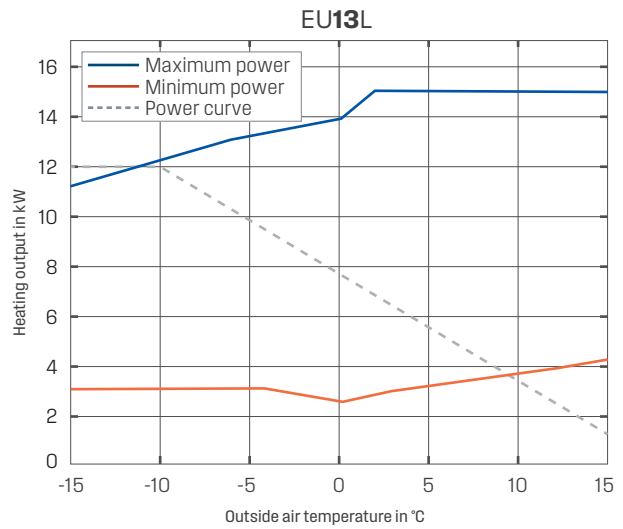
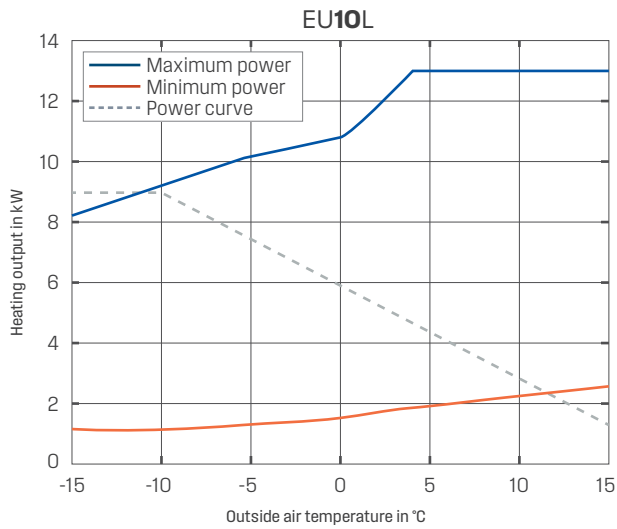
A sturdy housing with a capacitive display and clear visualization makes complex technology transparent, reliable, and future-proof.





<b>EUREKA 10-15 kW</b>		<b>EU10L</b>	<b>EU13L</b>	<b>EU15L</b>			
H x W x D	mm	1710 x 950 x 610	1710 x 950 x 610	1710 x 950 x 610			
Weight	kg	150	155	165			
Refrigerant		R290					
GWP		3					
Filling capacity	kg	1,4	1,4	1,5			
Energy efficiency class at low temperature (medium climate)	<b>A+++</b>	240% → <b>SCOP 6,08</b>	224% → <b>SCOP 5,68</b>	226% → <b>SCOP 5,73</b>			
Energy efficiency class at mid-range temperature (medium climate)	<b>A+++</b>	179% → <b>SCOP 4,54</b>	177% → <b>SCOP 4,49</b>	176% → <b>SCOP 4,47</b>			
Variable heat output A-7W35	kW	1,3 - 9,2	3,3 - 12,9	3,9 - 15,3			
Sound power level EN12102	dB(A)	45	44	46			
<b>EN14511</b>		<b>kW</b>	<b>COP</b>	<b>kW</b>	<b>COP</b>	<b>kW</b>	<b>COP</b>
Heating mode	A7W35	3,6	6,02	5,2	5,94	6,0	5,89
	A2W35	5,6	5,21	8,3	5,05	10,1	5,11
	A-7W35	9,7	3,39	13,0	3,77	14,9	3,83
	A-15W35	7,8	2,82	10,8	3,19	15,0	3,19
	A7W45	6,5	4,76	5,2	4,57	6,3	4,47
	A7W55	4,7	3,68	5,4	3,71	6,1	3,47
	A-7W55	9,4	2,42	12,4	2,59	14,8	2,71

**PERFORMANCE AND EFFICIENCY DIAGRAMS**





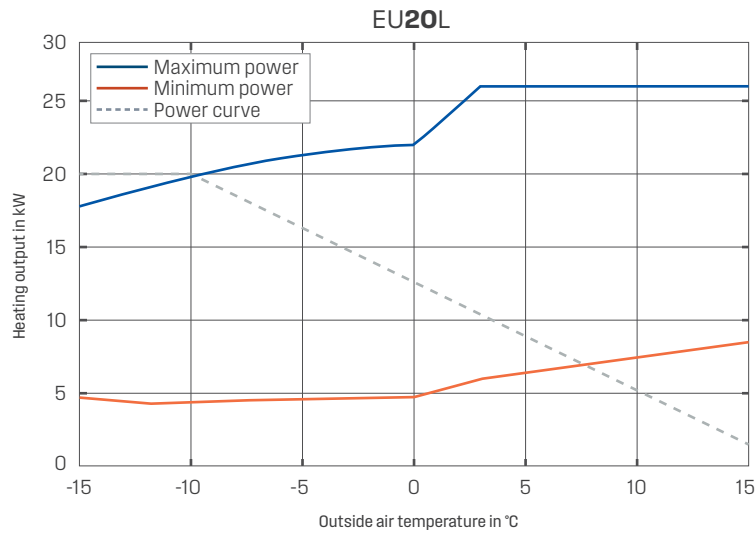
### EUREKA 20 kW

### EU20L

H x W x D	mm	1772 x 1160 x 800
Weight	kg	210
Refrigerant		R290
GWP		3
Filling capacity	kg	2,2
Energy efficiency class at low temperature (medium climate)	<b>A+++</b>	224% → <b>SCOP 5,68</b>
Energy efficiency class at mid-range temperature (medium climate)	<b>A+++</b>	176% → <b>SCOP 4,48</b>
Variable heat output A-7W35	kW	4,6 - 20,8
Sound power level EN12102	dB(A)	50

EN14511		kW	COP
Heating mode	A7W35	10,1	5,74
	A2W35	12,0	5,04
	A-7W35	20,0	3,70
	A-15W35	17,9	3,10
	A7W45	10,6	4,56
	A7W55	12,1	3,69
	A-7W55	21,0	2,62

### PERFORMANCE AND EFFICIENCY DIAGRAM



**NEW!**



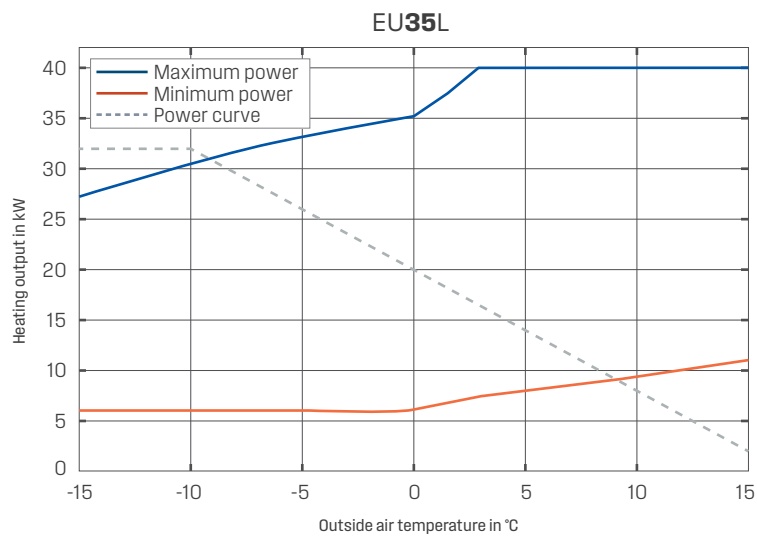
**EUREKA Magna 35 kW**

**EU35L**

H x W x D	mm	2320 x 1700 x 1190
Weight	kg	450
Refrigerant		R290
GWP		
Filling capacity	kg	4,9
Energy efficiency class at low temperature (medium climate)	<b>A+++</b>	239% → <b>SCOP 6,06</b>
Energy efficiency class at mid-range temperature (medium climate)	<b>A+++</b>	179% → <b>SCOP 4,55</b>
Variable heat output A-7W35	kW	6,1 - 34,1
Sound power level EN12102	dB(A)	53

<b>EN14511</b>		<b>kW</b>	<b>COP</b>
Heating mode	A7W35	12,1	6,01
	A2W35	18,0	5,21
	A-7W35	32,0	3,53
	A-15W35	28,5	2,87
	A7W45	20,5	4,67
	A7W55	15,1	3,86
	A-7W55	32,0	2,59

**PERFORMANCE AND EFFICIENCY DIAGRAM**



# ECO HYDRAULIC SOLUTION BY LAMBDA

Our proprietary ECO hydraulic solution combines all key components into a single compact unit: a 250-liter hot water tank, a 100-liter buffer tank, a pre-wired hydraulic station, and a convenient mounting option for the control kit, including pre-wired cables.



- Suitable for EU10L to EU15L
- 250-liter enameled hot water tank
- 100 litre buffer storage tank for heating
- Pre-wired hydraulic station
- Convenient mounting option for the control kit
- Pre-wired, insulated, and with cable preparation for the control kit
- Excellent price-performance ratio
- Less installation effort
- Increased operational reliability by reducing wiring and installation errors
- Space-saving



[www.lambda-wp.at](http://www.lambda-wp.at)

MORE INFO

ECO

+250L  
HOT WATER TANK

+100L  
BUFFER STORAGE TANK



## EUREKA.

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