



Kaliko

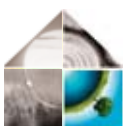
THERMODYNAMIC WATER HEATER

EASYLIFE



Air as a source of hot water

- >> 70% of domestic hot water free
- >> Meets the needs of a family
- >> Ideal for both new-build and renovation



SOLAR
SOLID FUEL
HEAT PUMPS
CONDENSING OIL/GAS

De Dietrich 
Sustainable Comfort®



KALIKO ESSENTIEL



KALIKO SPLIT



KALIKO SPLIT



**ENERGY
FROM THE AIR
FOR YOUR
WELL-BEING**

They are the very latest thing, and have everything you wish: the new, Kaliko thermodynamic water heaters. Energy recovery from the room air, outdoor air or from CMV connection gives you savings of up to 70% on your domestic hot water. All types of Kaliko appliance suit an existing installation, and Kaliko Split is best for new installations. When the air is a source of well-being, that's Kaliko!

<< WE WANT TO SAVE ENERGY >>

- 70% of domestic hot water free
- Return on investment within 3 years compared to a conventional electric water heater



<< ALL THE PERFORMANCE I NEED >>

- COP of 3.42*: for 1 kWh consumption, Kaliko recovers 3.42 kWh energy to heat the hot water cylinder
- Very low noise level
- Small size



* Depending on models

EASYLIFE: KEEP TO ESSENTIALS TO MAKE SAVINGS

KALIKO

HOT WATER
FREE
UP TO
70%

PROFITABLE
WITHIN
AROUND
3 YEARS

<< OUR WHOLE FAMILY BENEFITS >>

- Energy recovery from ambient air, outside air or CMV
- Water heats in under 6 hours (up to 65°C)
- Operation between -15°C and +42°C



ECO SOLUTIONS
Ecodesign by De Dietrich

Created by De Dietrich, the **ECO-SOLUTIONS** label guarantees you a range of products in line with European Directives on Ecodesign and Energy Labelling. These Directives are into effect since the 26 September 2015 and apply to heating and domestic hot water production appliances.

With De Dietrich **ECO-SOLUTIONS**, you can benefit from the latest generation of multienergy systems, easier to use, with better performance and energy savings, designed to give you greater comfort while caring for the environment. **ECO-SOLUTIONS** also mean expertise, advice and a wide range of services from the De Dietrich professional network.

The energy label, in combination with the **ECO-SOLUTIONS** label, will provide you with information on the product's performance. More info at ecodesign.dedietrich-heating.com



>> THE POWER OF SAVINGS

The thermodynamic water heater operates using the air water heat pump principle: it uses free energy from the air to produce domestic hot water.

- High heat pump power for **rapid water heating, in less than 6 hours***, depending on temperature of air intake and the model.
- With a COP up to 3.42, for every 1 kWh consumption, Kaliko **recovers 3.42 kWh of energy** to heat the hot water cylinder.
- Kaliko operates over a wide temperature range, from -15°C and +42°C for year-round use on outside air or indoors (in an unheated room) or connected to the CMV.

BENEFIT

70% of domestic hot water free

* according to EN 16147



>> PLENTY OF HOT WATER

- With a **capacity of up to 270 L**, the thermodynamic water heater meets the domestic hot water needs of a family of up to 6 people.
- **Water is heated to 65°C** with Kaliko's heat recovery system.
- For even greater comfort, Kaliko TWH 300 EH can be combined with a boiler. The boiler will take over at times of peak usage.
- Its **small size and easy installation mean** Kaliko can be fitted in any room in the house even in a cupboard.

BENEFIT

meets the needs of 6 people

>> LONG LIFE ENSURED

De Dietrich has designed Kaliko to last.

- **Impressed current** titanium anode **for maintenance-free protection** and longer tank life (depending on model).
- Aluminium condenser outside the tank to ensure safety and avoid scale build-up (depending on model).
- **Enamelled steel tank, with 5-year warranty for perfect hot water storage quality**, avoiding scale deposits on the walls.



BENEFIT

A pure water

>> KALIKO: SUITABLE FOR ALL RENOVATIONS

Kaliko is the natural choice for an energy-efficient renovation:

- Kaliko can recover energy from ambient air, outside air or CMV.
- It may be **combined with an existing boiler or with solar energy** that already meets 60% of the household's hot water needs. With an extra 1m² coil, water heating is provided by solar energy, and Kaliko takes over when necessary.
- Kaliko has a remote **touchscreen** for controlling the **water heater in an easy, intuitive** way, allowing you to measure your energy consumption.
- 214 to 270-litre capacity for real hot water comfort.



>> KALIKO ESSENTIEL: A SMART PRICE

For economical renovation, Kaliko Essentiel is the solution:

- Kaliko Essentiel is **ideal to replace an electric water heater**. Energy is taken only from the room air.
- No need for fossil fuels. It **emits only one-third of the CO₂ that a conventional water heater does**.
- **Investment payback within 3 years** thanks to an attractive price and high level of performance.
- A 1550 W electric element guarantees optimal domestic hot water supply.

>> KALIKO SPLIT: IDEAL IN NEW-BUILD

- Simple to use with coolant links between the hot water cylinder and the outdoor module: **wall and insulation bonding protected**.
- A **space-saving solution** with its small size.
- Increased **acoustic comfort** with the outdoor energy capture module.
- 200 to 270-litre capacity for real hot water comfort.



>> WHICH KALIKO DO YOU NEED?

DECIDE WHAT YOU NEED

	Type of house		Nature of heating (optional auxiliary)	DHW needs			Air extraction		
	Renovation	New					ambient	outdoor	CMV
Kaliko 300 EH	✓		boiler/solar/electrical	✓	✓		✓	✓	
Kaliko 200 E	✓	✓	electrical	✓			✓	✓	
Kaliko 300 E	✓	✓	electrical	✓	✓		✓	✓	
Kaliko 200 EV	✓	✓	electrical	✓	✓				✓
Kaliko Essentiel 180 E	✓		electrical	✓			✓		
Kaliko Essentiel 230 E	✓		electrical	✓	✓		✓		
Kaliko SPLIT 200	✓	✓	electrical	✓				✓	
Kaliko SPLIT 270	✓	✓	electrical	✓	✓			✓	

This information is given for guidance for standard dwellings. It is essential to refer to your heating engineer's recommendations to ensure you have the solution best suited to your project.

MODELS

	KALIKO				KALIKO ESSENTIEL		KALIKO SPLIT	
	TWH 300 EH	TWH 200 E	TWH 300 E	TWH 200 EV	ETWH 180 E	ETWH 230 E	TWH FS 200 E	TWH FS 270 E
Technical characteristics								
Performance Hot water	A	A	A	A	A	A	A	A
Connecting mode	ambient air or outside air	ambient air or outside air	ambient air or outside air	extracted air (CMV)	ambient air	ambient air	outside air	outside air
Capacity	265 L	215 L	270 L	214 L	180 L	230 L	200 L	270 L
Heating time with air temperature of +7°C	10 hrs 47 m*	7 hrs 48 m*	10 hrs 44 m*	-	8 hrs 39 m*	11 hrs 50 m*	5 hrs 30 m*	7 hrs 09 m*
Heating time with air temperature of +15°C	8 hrs 41 m	6 hr 32 m	8 hr 48 m	-	6 hr 02 m	7 hr 54 m	-	-
Heating time with air temperature of +20°C	-	-	-	13 hr 38 m***	-	-	-	-
Operating temperature	-5°C to +35°C	-5°C to +35°C	-5°C to +35°C	+7°C to +35°C	+5°C to +43°C	+5°C to +43°C	-15°C to +42°C	-15°C to +42°C
Heat pump power	1700 W	1700 W	1700 W	780 W	1500 W	1500 W	1750 W	1750 W
Electric resistance power	2400 W	2400 W	2400 W	2400 W	1550 W	1550 W	2400 W	2400 W
COP at +7°C according to EN 16147	2.75	2.90	2.94	-	2.38	2.51	3.3	3.42
COP at +15°C according to EN 16147	3.26	3.17	3.31	-	2.88	3.02	-	-
COP at +20°C according to EN 16147	-	-	-	3.29***	-	-	-	-
Acoustic pressure (measured at 2 m)	35.2 dB(A)**	35.2 dB(A)**	35.2 dB(A)**	34 dB(A)**	46.2 dB(A)	46.2 dB(A)	42 dB(A)	42 dB(A)
Refrigerant fluid	R 134 A	R 134 A	R 134 A	R 134 A	R 134 A	R 134 A	R 134 A	R 134 A
Auxiliary	boiler or solar and electric as back-up	electrical	electrical	electrical	electrical	electrical	electrical	electrical

* value for heating water from 10 to 53 °C according to EN 16147 ** configuration with cladding *** value for heating water from 15 to 53 °C according to EN 16147

Size and weight: H = height, Ø = diameter, L = length, D = depth

	H 200 cm Ø 70 cm 123 kg		H 169-200 cm Ø 70 cm 92-105 kg		H 167 cm Ø 63 cm 92 kg		H 167-199 cm Ø 55.2 cm 102-116 kg		H 138-169 cm Ø 67.2 cm 70-82 kg		H 54.6 cm L 77.6 cm D 24.1 cm 33 kg
Kaliko TWH 300 EH		Kaliko TWH 200 - 300 E		Kaliko TWH 200 EV		Kaliko Essentiel 180 - 230		Kaliko SPLIT 200 - 270		Kaliko SPLIT outdoor module	

A FRENCH QUALITY MARK

For over 3 centuries, De Dietrich has based its success on an unchanging demand for quality, reliability and durability. As a forerunner in the field of environmentally-conscious heating technologies, De Dietrich has steadily pursued a dual objective: to protect the planet, while offering you the best in comfort. At the cutting edge of innovation, De Dietrich multi-energy systems make a significant contribution to cutting your energy consumption and your CO₂ emissions. Choosing De Dietrich means investing in a heating solution that will ensure your well-being and peace of mind. For a long time.

De Dietrich: the choice for Sustainable Comfort®

Your installer:

De Dietrich

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