CAELIO DHW HP

Domestic Hot Water Heat Pump

ubbink

Build smart.

Introduction

The Caelio DHW Heat Pump is a quiet, efficient solution for domestic hot water. Using the eco-efficient refrigerant R290, it offers high performance in a compact design. It draws air from indoors or outdoors, operating efficiently even at -5°C. When connected to a PV system, it stores solar energy as hot water. Available in 200L and 300L, it's a reliable, low-impact choice for any home.

A+



Features and benefits

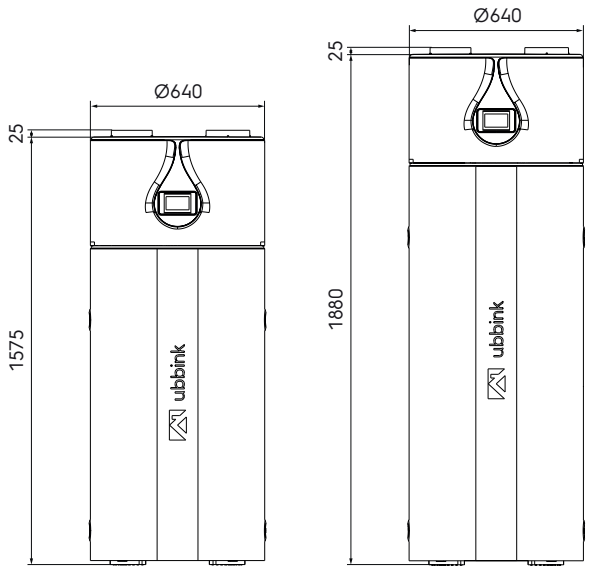
- Whisper-quiet operation
  Runs at just 35 dB(A) for a peaceful home environment.
- Eco-efficient refrigerant
  Uses R290 with zero ODP and ultra-low GWP.
- High efficiency, low impact
  COP up to 3,91 with just 150g of refrigerant.
- Intuitive touch control
  Easy-to-use screen for full control and visibility.

SG Ready Smart Heat Pumps

5 YEARS WARRANTY



Product dimensions



Copyright © 2026 Ubbink | Content is subject to change without notice | Availability and configurations may differ per country | UB-2026-11-V09-INT-EN

CAELIO DHW HP

Domestic hot water heat pump

ubbink

Build smart.

Key specifications summary

The performance data refer to new appliances with clean heat exchangers.

Parameter	DHW HP 200	DHW HP 300
General		
Trademark	Ubbink	
Model name	DHW HP 200	DHW HP 300
Appliance type	Domestic Hot Water Heat Pump	
Gross weight / Net weight	113 kg / 96 kg	129 kg / 111 kg
Net dimensions (LxWxH)	640x640x1600 mm	640x640x1905 mm
Shipping dimensions (LxWxH)	720x720x1760 mm	720x720x2070 mm
Hydraulics		
Nominal volume	200 L	300 L
Connections	3/4"	
Water temperature with heat pump maximum	65 °C	
Water temperature with heating element maximum	75 °C	
Refrigeration circuit		
Type of refrigerant	R290	
General performance data		
Water heating energy efficiency class (according to (EU) No 812/2013 ANNEX II Table 1)	A+	
Volume at 1 meter LpA	38 dB(A)	35 dB(A)
Load profile (14°C/20°C)	L	XL
Coefficient of performance (14°C/20°C)	3,53	3,91
Maximum volume of mixed water at 40°C (14°C/20°C)	276 L	367 L

Copyright © 2026 Ubbink | Content is subject to change without notice | Availability and configurations may differ per country | UB-2026-11-V09-INT-EN

CAELIO DHW HP

Domestic hot water heat pump

ubbink
Build smart.

Detailed technical specifications

The performance data refer to new appliances with clean heat exchangers.

Parameter	DHW HP 200	DHW HP 300
General		
Trademark	Ubbink	
Model name	DHW HP 200	DHW HP 300
Appliance type	Domestic Hot Water Heat Pump	
Gross weight / Net weight	113 kg / 96 kg	129 kg / 111 kg
Net dimensions (LxWxH)	640x640x1600 mm	640x640x1905 mm
Shipping dimensions (LxWxH)	720x720x1760 mm	720x720x2070 mm
Hydraulics		
Water storage material	Enamelled steel	
Nominal volume	200 L	300 L
Net volume	215 L	282 L
Cold water / Hot water connection	G3/4" INT	
Circulation connection	G3/4" INT	
Drain connection	G3/4" INT	
Condensate connection	19 mm (3/4")	
Water temperature with heat pump maximum	65 °C	
Water temperature with heating element maximum	75 °C	
Application limits		
Safety temperature cut-out	85 °C	
Max. pressure water tank	7 bar	
Ambient temperature minimum/ maximum	-5/+43 °C	
Temperature air heat source minimum/ maximum	-5/+43 °C	
Minimum volume of installation room (recirculation mode)	15 m³	
Electrical data		
Power supply: Voltage	220-240 V	
Power supply: Frequency	50 Hz	
Maximum starting current of the device	8,5 A	
Maximum operating current, without start-up phase	9,6 A	
Maximum power consumption, without start-up phase	2200 W	
Power of heating element	1500 W	

Copyright © 2026 Ubbink | Content is subject to change without notice | Availability and configurations may differ per country | UB-2026-11-V09-INT-EN

CAELIO DHW HP

Domestic hot water heat pump

ubbink
Build smart.

Parameter	DHW HP 200	DHW HP 300
Protection class IP	IP X1	
Length of mains connection cable approximately	1,75 m	
Refrigeration circuit		
Type of refrigerant	R290	
Mass of the refrigerant charge	150 g	
Maximum refrigerant pressure	3,2 MPa	
Ventilation		
Nominal volume flows	300 m³/h	
Maximum allowed flow resistance	20 Pa	
Duct connection dimensions	160 mm	
General performance data		
Water heating energy efficiency class (according to (EU) No 812/2013 ANNEX II Table 1)	A+	
Volume at 1 meter LpA	38 dB(A)	35 dB(A)
Volume LwA	53 dB(A)	50 dB(A)

Performance (Heat source 7°C, Ambient 20°C)	DHW HP 200	DHW HP 300
Heating up		
Load profile	L	XL
Heating up time (h:min)	7:51	10:21
Electrical energy consumption during the heating phase	2,94 kWh	3,83 kWh
Standby		
Power consumption in standby mode	30 W	41 W
Total usable energy during the load profile	11,70 kWh	19,27 kWh
Total electrical energy consumption during the load profile	5,45 kWh	5,64 kWh
Daily electrical energy consumption	3,77 kWh	5,59 kWh
Coefficient of performance	3,09	3,41
Energy efficiency when heating the water	129%	142%
Annual electrical energy consumption	792 kWh/a	1178 kWh/a
Reference hot water temperature	54,1 °C	53,7 °C
Maximum volume of mixed water at 40°C	278 L	376 L

Copyright © 2026 Ubbink | Content is subject to change without notice | Availability and configurations may differ per country | UB-2026-11-V09-INT-EN

CAELIO DHW HP

Domestic hot water heat pump

ubbink
Build smart.

Performance (Heat source 7°C, Ambient 20°C)	DHW HP 200	DHW HP 300
Nominal heat output	1,23 kW	1,26 kW

Performance (Heat source 14°C, Ambient 20°C)	DHW HP 200	DHW HP 300
Heating up		
Load profile	L	XL
Heating up time (h:min)	6:10	8:34
Electrical energy consumption during the heating phase	2,35 kWh	3,19 kWh
Standby		
Power consumption in standby mode	22 W	33 W
Total usable energy during the load profile	11,51 kWh	19,34 kWh
Total electrical energy consumption during the load profile	3,26 kWh	4,94 kWh
Daily electrical energy consumption	3,30 kWh	4,87 kWh
Coefficient of performance	3,53	3,91
Energy efficiency when heating the water	147%	163%
Annual electrical energy consumption	698 kWh/a	1030 kWh/a
Reference hot water temperature	53,7 °C	53,0 °C
Maximum volume of mixed water at 40°C	276 L	367 L

Performance (Heat source 2°C, Ambient 20°C)	DHW HP 200	DHW HP 300
Heating up		
Load profile	L	XL
Heating up time (h:min)	12:33	16:29
Electrical energy consumption during the heating phase	4,30 kWh	5,35 kWh
Standby		
Power consumption in standby mode	56 W	60 W
Total usable energy during the load profile	11,74 kWh	19,22 kWh
Total electrical energy consumption during the load profile	4,95 kWh	6,99 kWh
Daily electrical energy consumption	4,91 kWh	6,93 kWh
Coefficient of performance	2,37	2,75

Copyright © 2026 Ubbink | Content is subject to change without notice | Availability and configurations may differ per country | UB-2026-11-V09-INT-EN

CAELIO DHW HP

Domestic hot water heat pump

ubbink
Build smart.

Performance (Heat source 2°C, Ambient 20°C)	DHW HP 200	DHW HP 300
Energy efficiency when heating the water	101%	115,5%
Annual electrical energy consumption	1010 kWh	1450 kWh
Reference hot water temperature	54,4 °C	53,1 °C
Maximum volume of mixed water at 40°C	288 L	371 L

Copyright © 2026 Ubbink | Content is subject to change without notice | Availability and configurations may differ per country | UB-2026-11-V09-INT-EN