



# WARMEO

— HOME HEATING SOLUTIONS —



## WHL

Simple installation and  
high performance

## A reversible heat pump that provides heating, cooling and domestic hot water.

The WHL is a **high-performance**, single-package air-to-water heat pump capable of maintaining a flow temperature of 65°C and operating down to an outdoor temperature of -25°C. It features an integrated circulator and auxiliaries for simplified installation. The appliance is designed to combine performance with low noise levels, making this heat pump a safe, long-lasting choice.

### BENEFITS

- Defrosting by cycle inversion
- Refrigerant compressor preheating
- Deep-cooling system with antifreeze tray

#### Full Inverter

«2D» Full DC Twin-Rotary Inverter compressor and variable speed fan

#### Soft start

No current peaks on the electrical network on start-up

#### 25 - 100%

Speed variation



#### Smart Defrost

The machine adjusts its defrosting according to its last cycle

#### Plus de silence

Thanks to its Inverter compressor and variable-speed fan motor

#### -25°C

Minimum operating temperature



### RLB 100

- LCD display
- Management of different operating modes
- Setting the water temperature
- Heating curve selection
- Weekly program
- Outdoor temperature sensor included
- Made in France

#### 2 regulation modes available

- Constant temperature
- Heating curve according to outdoor temperature

## 6 functions



Heating



Heating + DHW



Cooling



Cooling + DHW



Domestic Hot Water (DHW)



Heating + cooling + DHW



Anti-legionella mode (DHW)



Daily, weekly and holiday programming

## Included in the outdoor unit

- Wilo or Grundfos circulation pump
- Plate heat exchanger

- Water flow sensor / «Calorimeter»
- Electric heater backup



## Option

- Second zone management
- Boiler back-up management
- Remote domestic hot water management
- Additional backup resistor

- Customisable colours
- OperTherm radio thermostat



## WARRANTY

3 years warranty on parts for guaranteed peace of mind.





		WHL-05	WHL-07	WHL-09	WHL-12T	WHL-15T
Power (1) (+7°C outside, 35°C water) min - nom - max	kW	3.50 - 6.50 - 7.50	4.30 - 6.93 - 9.20	5.47 - 7.20 - 11.70	7.34 - 10.20 - 15.50	9.10 - 9.20 - 18.50
Power input (1) (+7°C out, 35°C water)	kW	1.39	1.42	1.46	1.97	1.83
COP (1) (+7°C out, 35°C water, acc. to EN14511)	-	4.67	4.87	4.91	5.18	5.01
Seasonal performance / SCOP (2) (35°C water)	% / -	180 / 4.58 <b>A+++</b>	181 / 4.61 <b>A+++</b>	181 / 4.61 <b>A+++</b>	185 / 4.70 <b>A+++</b>	185 / 4.70 <b>A+++</b>
Seasonal performance / SCOP (2) (55°C water)	% / -	133 / 3.41 <b>A++</b>	130 / 3.32 <b>A++</b>	131 / 3.36 <b>A++</b>	127 / 3.24 <b>A++</b>	128 / 3.28 <b>A++</b>
Power -7°C out, (35°C water) / (55°C water)	kW	4.75 / 3.70	5.72 / 4.90	7.65 / 6.52	10.57 / 8.37	12.57 / 10.68
Max power / nominal EER (1) (+35°C out, 18°C water)	kW / -	7.4 / 4.53	9.40 / 4.56	9.85 / 4.1	18.57 / 5.42	9.85 / 4.2
Operating range (T° out)	°C	-25 à +43				
Starting water temperature min / max	°C	+7 / +65				

#### OUTDOOR UNITS

Reference		IHZ05-R0	IHZ07-R0	IHZ09-R0	IHZ12T-R0	IHZ15T-R0
Dimensions Width x Depth x Height	mm	1010 x 370 x 700	1165 x 370 x 845	1165 x 370 x 846	1085 x 400 x 1450	1085 x 400 x 1450
Sound power level (3) / Sound pressure (4)	dB(A)	52 / 24	53 / 25	52 / 24	57 / 29	57 / 29
Net weight	kg	65	93	99	156	163
Compressor		Full Inverter				
Refrigerant type / Weight / CO2 equivalent	- / kg / t	R32 / 0.90 / 0.61	R32 / 1.40 / 0.95	R32 / 1.80 / 1.22	R32 / 2.5 / 1.69	R32 / 2.60 / 1.76
Hydraulic connection (Filté)	Inch/	G1"			G1"1/4	
Flow min - max heat pump	m3/h	0.72 - 1.26	1.08 - 1.98	1.44 - 2.62	1.8 - 3.12	2.26 - 4.32
Integrated flowmeter / calorimeter		Yes	Yes	Yes	Yes	Yes
Minimum water volume heat pump (35/55°C water)	L	40/30	50/40	60/50	90/70	110/90

#### ELECTRICAL POWER SUPPLY

#### 230 v - 1P + N + T

#### 380 v - 3P + N + T

Electrical protection EU / EU power supply cable section	A / mm²	D16 / 3G2.5		D20 / 3G4	D10 / 5G1,5	D16 / 5G1,5
Integrated electric auxiliary power (recommended/maximum setting)	kW	4 / 6			6/9	6/9
Integrated auxiliary electrical protection (recommended/maximum auxiliary setting)	A	C20 / C32			C16	
Integrated booster power supply cable section (recommended/maximum backup setting)	mm²	3G4 / 3G6			5G1.5	

#### RLB 100

Reference		WARLB100
LCD Display		Yes
Direct / mixed second zone management		Yes, optional
Domestic hot water production management		Yes, optional
Type of additional back-up managed		Electric and/or boiler option
Wireless remote thermostat compatible / zone		Yes, optional
Compatible heating zone circulator	A / V	2A MAX / 230 v - 1P + N + T
Type of installation		Wall-mounted
Dimensions Width x Depth x Height	mm	250 x 115 x 360
Net empty weight	kg	2
ELECTRICAL POWER SUPPLY		230 v - 1P + N + T
Electrical protection / Cable section section	A / mm²	C10 / 3G1.5
EU communication cable section	mm²	2 X 0.75 (type LiYY, EKKX shielded with braid)

(1) According to EN14511:2013, taking defrosting into account where applicable. (2) According to Eco-design directive 2009/125/EC and ErP batch 1 813/2013 and labelling batch 1 811/2013 regulations. (3) According to EN12102. (4) In anechoic chamber.

Subject to technical or design modifications. The general terms and conditions of sale, warranty and service are available on [warmeo.com](http://warmeo.com)