

TOSHIBA

ESTiA



ESTIA

Air-to-Water heat pump

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EFFICIENT HEATING
WITH AN AIR-TO-WATER
HEAT PUMP

WHY AN ESTIA AIR-TO-WATER HEAT PUMP IS THE RIGHT CHOICE

Energy and cost-efficient

An air-to-water heat pump uses the natural energy from the surrounding air and converts it into cozy warmth for your home. This enables you to enjoy pleasant temperatures at particularly low operating costs. Thanks to its thrifty power consumption, the heat pump is not just an attractive purchase, it also impresses during operation as an economical and energy-efficient heating solution.



Perfect addition: solar & photovoltaics

ESTIA air-to-water heat pumps can be ideally combined with solar or photovoltaic systems. This enables you to use even more renewable energy, lower your costs, and heat or cool in a particularly environmentally-friendly manner.

Carbon-neutral & not dependent on fossil fuels

Using the air as an energy source is carbon-neutral and emission-free, making you independent of fossil fuels such as oil and gas.



Reliable & durable

ESTIA heat pumps feature impressively high dependability and a long service life, even at outside temperatures down to -25°C. Since their introduction in 2009, many first-generation systems are still running reliably to this day.

HOW DOES AN AIR-TO-WATER HEAT PUMP WORK?

The ESTIA air-to-water heat pump recovers energy from the air and transfers it to the heating system. This job is carried out by an environmentally-friendly refrigerant and an efficient compressor. The heat generated during this process is transferred to the water pipe system via

a heat exchanger. The domestic hot water and heating water are thus heated to the required temperature.

This energy-saving system works efficiently **down to frosty outdoor temperatures of -25°C.**

The refrigerant circulating around the system transfers and transports the heat.

In the evaporator (outdoor unit), the liquid refrigerant changes its state and stores the energy absorbed in so doing.

The compressor brings the refrigerant to a high pressure and temperature level.

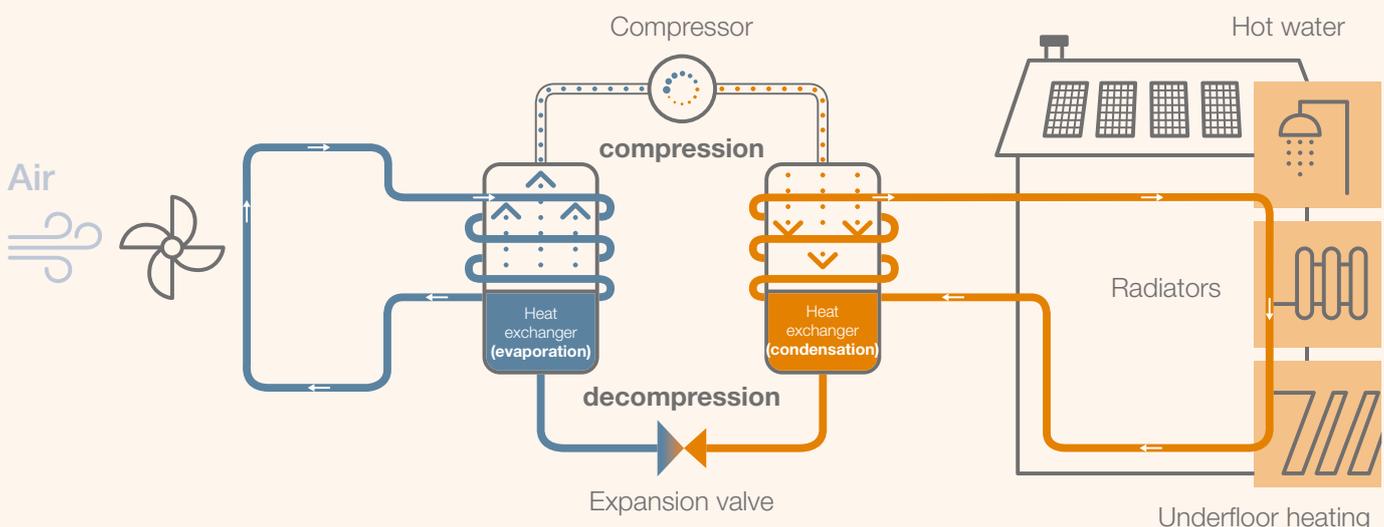
The refrigerant is now very hot. Upon reaching the condenser (indoor unit and heat exchanger), the heat obtained from the environment is transferred to the water.

After cooling, the refrigerant returns to the liquid state and can once again absorb heat from the environment due to the pressure and temperature reduction caused by the expansion valve. And so the cycle begins again.

100%
ENERGY FROM
THE AIR

On average, the air-to-water heat pump heats with energy from the air and electrical energy in a ratio of 4:1. This means that **1 kWh electricity yields on average 4 kWh heating capacity.**

It is a space-saving, efficient, and sustainable system compared to conventional heating systems.

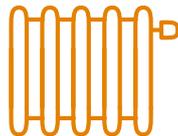


HEATING WITH HEAT FROM THE AIR – ENVIRONMENTALLY FRIENDLY, COST-EFFECTIVE, AND EFFICIENT.

The ESTIA air-to-water heat pump is extremely efficient and provides cost-effective heating, hot water preparation, and cooling in your home. It uses the outdoor air as an energy source, making it extremely environmentally friendly.



Domestic Hot Water



Heating with radiators



Underfloor heating

Saving money with **ESTiA**

The air-to-water heat pump combines the benefit of **low acquisition costs** with **low operating costs**, and makes efficient use of renewable energies. Offering considerable versatility, it can be used for heating or preparing domestic hot water in new or renovated buildings when combined with radiators, underfloor heating, wall heating, or as ancillary pool heating. It can be used to regulate the temperature of rooms in the summer. Active cooling is possible via fancoils, for example.



5
years
warranty
compressors



Reliable comfort guaranteed

TOSHIBA represents outstanding quality, as demonstrated by the excellent levels of efficiency. For the ESTIA, TOSHIBA offers a 5-year warranty for the unit's key component – the compressor.

5-YEAR COMPRESSOR WARRANTY

You automatically receive a 5-year warranty on the ESTIA compressor.

EXTENDED WARRANTY

An extended warranty of 4 or 5 years is also possible for all other components.

ESTIA R32 MULTI-SPLIT & BI-BLOC R290 – TWO SYSTEMS, ONE QUALITY PROMISE

The heat pump systems from Toshiba provide both trade partners and end customers with two proven technologies that are designed for different requirements and application scenarios, while providing uncompromising quality, efficiency, and reliability.

THE ESTIA BI-BLOC R290 – QUIET, COMPACT, FUTURE-PROOF

The Toshiba Estia Bi-Bloc R290 heat pump features an impressive water-based design using the environmentally-friendly R290 refrigerant. All refrigeration components are completely integrated into the outdoor unit for a particularly compact system solution with high reliability and minimal installation effort.

A main quality feature is its extremely quiet operation, which enables it to be used in densely populated residential areas. This is complemented by a cutting-edge touch control system that ensures intuitive operation of all system functions. An integrated app connection allows the system to be monitored and controlled from anywhere at any time. The remote maintenance option represents particular added value. Remote access can be used to optimize system settings, adjust operating parameters, and analyze and correct error signals, ensuring efficiency, time-savings, and service quality.

Thanks to high system flexibility and a maximum supply water temperature of 70 degrees, the Estia Bi-Bloc R290 heat pump is suitable for both new builds as well as for modernizing existing heating systems. The high-quality workmanship, durable components, and the overall proven Toshiba quality guarantee a reliable solution that will last for years to come.

ESTIA R32 – MAXIMUM EFFICIENCY AND INDIVIDUAL ADAPTABILITY

The Toshiba split heat pump uses the modern R32 refrigerant and stands for both the highest efficiency as well as high cost-effectiveness. The system is extremely efficient due to the refrigerant connection of the outdoor and indoor unit, and thanks to a maximum supply water temperature of 65°C, it is suitable for various building structures and operating requirements.

Its strengths lie in its fine calibration capacity and the ability to precisely react to a variety of operating points. This enables the system to be adjusted exactly to the actual heating requirements – a decisive advantage when it comes to energy efficiency, comfort, and operating costs.

The split technology is well suited to applications that emphasize maximum performance, flexible integration into existing systems, and precise control in particular.

TOSHIBA – TECHNOLOGY UPON WHICH YOU CAN BUILD

Estia Bi-Bloc R290 or Estia R32: each heat pump system stands for the technological expertise, reliability, and innovative power of Toshiba. These are future-proof solutions that meet both the requirements of today as well as the energy standards of tomorrow.

COMPONENTS OF THE ESTIA R32

The ESTIA air-to-water heat pump consists of an outdoor unit and an indoor unit. This is designed either as a compact Hydrobox or as an All-in-One unit with integrated hot water tank. All applications such as radiators, the underfloor heating, or an external hot water tank are supplied via the indoor unit.



1 The outdoor unit

Via compressor and air heat exchanger, the thermal energy is obtained from the outdoor air and transferred to the Hydrobox in the house.

2 The Hydrobox

In the Hydrobox, the heat is transferred with minimal heat loss from the refrigerant to the water system via a plate heat exchanger.

3 The All-in-One

The All-in-One indoor unit combines the Hydrobox with a hot water tank, making it especially space-saving. Despite its compact structure, the All-in-One model has a 210 liter stainless steel hot water tank and can supply heat to one or two zones, depending on the model.

4 The hot water tank

This is where the hot water is stored before use. The insulated boiler is made from stainless steel, which is both lightweight and very durable.

5 The control unit

The control panel is located on the Hydrobox and controls all the functions. There is an optional external room remote control with temperature sensor available. You can also equip your ESTIA with a WiFi module. Now you can control your ESTIA R32 from anywhere using the TOSHIBA AC Control app.

Integrated control unit

The clear icons on the integrated control unit make the entire system very simple to operate: water temperature for two heating zones and domestic hot water, nighttime operation, time programs, silent quiet function, and much more. All displays and settings are accessible at the touch of a button.



Room remote control

To operate the heat pump from the living room, the external additional remote control is used. This is an exact copy of the integrated control unit and allows settings to be conveniently made from the living room.



App control



The **TOSHIBA Home AC Control app** allows users to easily take control of their own living environment. Water temperatures, special functions such as silent mode, frost protection, and domestic hot water boost can be easily controlled via a smartphone. The **energy monitoring** function for the ESTIA R32 also provides a complete overview of energy consumption.



Time programs



Cooling



Heating



Hot water

COMPONENTS OF THE ESTIA BI-BLOC R290

The next generation of heat pumps

Compact, reliable, and particularly environmentally friendly – ESTIA Bi-Bloc uses the latest heat pump technology to implement heating and cooling using heat recovered from the environment in an extremely efficient manner.

Its high energy efficiency, easy app control, sustainable operation, and attractive design make the ESTIA Bi-Bloc an appealing solution for modern living.



1 The outdoor unit

The outdoor unit uses the natural air heat for economical and environmentally-friendly heating. Its quiet, robust, and elegant design offers year round comfort and helps significantly lower energy costs as well as carbon emissions.

2 The Hydrobox

The Hydrobox ensures efficient heat distribution in the home. Because of its compact design, it requires little space, operates quietly, and ensures reliable heat and hot water comfort.

3 The All-in-One

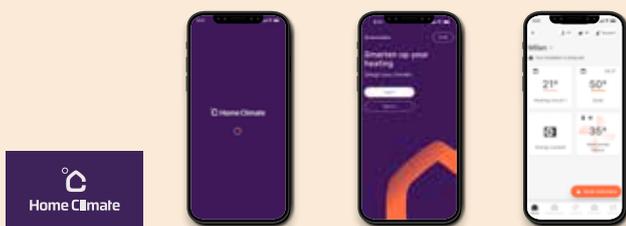
The All-in-One solution with a 220-liter tank combines a heat pump, tank, and control panel in one space-saving unit. It enables easy installation as well as maximum efficiency for modern, sustainable home technology.

4 The control unit

The intuitive control unit enables easy control of all functions. With clear displays and smart settings, users always have an overview of their energy consumption and comfortable temperatures.

Home Climate app

The Home Climate app optimizes your domestic systems, reduces your energy consumption, and ensures unrivaled comfort. You can rest assured that your home will always be comfortable and energy-efficient.



HMI
(Human Machine Interface)



Smartphone app

ESTIA SPLIT R32 PRODUCT OVERVIEW

Type	4	6
<p>ESTIA Hydrobox – Compact 1/2 zones</p> 	<p>1-phase</p>  <p>Page 12</p> <p>OU: HWT-401HW-E IU: HWT-601XWHM3W-E HWT-601XWHT6W-E</p>	<p>1-phase</p>  <p>Page 14</p> <p>OU: HWT-601HW-E IU: HWT-601XWHM3W-E HWT-601XWHT6W-E</p>
<p>ESTIA All-in-One 1 zone</p> 	<p>1-phase</p>  <p>Page 13</p> <p>OU: HWT-401HW-E IU: HWT-602S21SM3W-E HWT-602S21ST6W-E</p>	<p>1-phase</p>  <p>Page 15</p> <p>OU: HWT-601HW-E IU: HWT-602S21SM3W-E HWT-602S21ST6W-E</p>
<p>ESTIA All-in-One 2 zones</p> 		

Hydrobox Compact

The Hydrobox can either be used as a replacement or integrated into an existing heating system (for example, in combination with radiators, underfloor heating, or wall heating).

- › **1-phase/3-phase**
- › Energy efficiency class **A+++**
- › Operating range of **-25 to +43°C**
- › Supply water temperature heating **up to +65°C**
- › **3 / 6 / 9 kW** backup heater

	8	11	14
	<p>1-phase/3-phase</p>  <p>Page 16</p> <p>OU: HWT-801HW-E HWT-801H8W-E IU: HWT-1101XWHT6W-E HWT-1101XWHT9W-E</p>	<p>1-phase/3-phase</p>  <p>Page 18</p> <p>OU: HWT-1101HW-E HWT-1101H8W-E IU: HWT-1101XWHT6W-E HWT-1101XWHT9W-E</p>	<p>1-phase/3-phase</p>  <p>Page 20</p> <p>OU: HWT-1401HW-E HWT-1401H8W-E IU: HWT-1401XWHT9W-E</p>
	<p>1-phase/3-phase</p>  <p>Page 17</p> <p>OU: HWT-801HW-E HWT-801H8W-E IU: HWT-1102S21ST9W-E</p>	<p>1-phase/3-phase</p>  <p>Page 19</p> <p>OU: HWT-1101HW-E HWT-1101H8W-E IU: HWT-1102S21ST9W-E</p>	<p>1-phase/3-phase</p>  <p>Page 21</p> <p>OU: HWT-1401HW-E HWT-1401H8W-E IU: HWT-1402S21ST9W-E</p>
	<p>1-phase/3-phase</p>  <p>Page 17</p> <p>OU: HWT-801HW-E HWT-801H8W-E IU: HWT-1102S21MT9W-E</p>	<p>1-phase/3-phase</p>  <p>Page 19</p> <p>OU: HWT-1101HW-E HWT-1101H8W-E IU: HWT-1102S21MT9W-E</p>	<p>1-phase/3-phase</p>  <p>Page 21</p> <p>OU: HWT-1401HW-E HWT-1401H8W-E IU: HWT-1402S21MT9W-E</p>

All-in-One

The All-in-One system combines the Hydrobox and hot water tank in an indoor unit. Efficiency and a great look aren't the only benefits – this system also takes up minimal space.

- › 1-phase/3-phase
- › Energy efficiency class **A+++**
- › Operating range of **-25 to +43°C**
- › Supply water temperature heating **up to +65°C**
- › **3 / 6 / 9 kW** backup heater
- › Integrated domestic hot water tank (**210 liter**)

ESTIA SPLIT 4

Hydrobox


Energy efficiency class
A+++
Operating range

-25 to +43°C

Supply water temperature heating


Up to +55°C

depending on the model
Combination options
Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWT-401HW-E
Heating range @A+7/W+35 (min. – max.)	kW	☀	0,79 - 7,25
Heating capacity @ A+7/W+35 (nom.)	kW	☀	4,00
Cooling capacity @ A+35/W+7 (nom.)	kW	❄	4,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	☀	5,20
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄	3,45
Heating capacity @ A-7/W+35 (max.)	W/W	☀	4,80
Energy efficiency class		☀	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	☀	178 / 135
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	☀	4,53 / 3,45
COP			4,30
Sound power level (ERP)	dB(A)	☀	66
Sound power level (max.) /Heating capacity	dB(A) /kW	☀	71 /7,25
Sound power level (max.)	dB(A)	❄	65
Sound power level (night operation) /Heating capacity	dB(A) /kW	☀	54 /2,85
Sound power level (night operation)	dB(A)	❄	55
Sound pressure level (Rated, 1m)	dB(A)	☀	45
Sound pressure level (Rated, 1m)	dB(A)	❄	46
Sound pressure level (night operation, @ 1m)	dB(A)	☀	40
Sound pressure level (night operation, @ 1m)	dB(A)	❄	41
Outdoor temperature operating range (min.-max.)	°C	☀	-20 / +25
Outdoor temperature operating range (min.-max.)	°C	❄	+10 / +43
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R32
Dimensions (HxWxD)	mm		630 x 800 x 300

INDOOR UNIT			HWT-601XWHM3W-E	HWT-601XWHT6W-E
Supply water temperature (min.-max.)	°C	☀	20/55	20/55
Supply water temperature (min.-max.)	°C	❄	7/25	7/25
Backup heater, capacity	kW		3	6
Water flow rate (min.)	m³/h		0,66	0,66
Water pump, discharge head (max.)	m		7,2	7,2
Sound power level	dB(A)	☀	40	40
Sound power level	dB(A)	❄	40	40
Dimensions (HxWxD)	mm		720 x 450 x 235	720 x 450 x 235

ESTIA SPLIT 4

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-25 to +43°C

Supply water temperature heating

Up to +55°C

depending on the model

Combination options

Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWT-401HW-E
Heating range @A+7/W+35 (min. – max.)	kW	*	0,79 - 7,25
Heating capacity @ A+7/W+35 (nom.)	kW	*	4,00
Cooling capacity @ A+35/W+7 (nom.)	kW	*	4,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	5,20
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	*	3,45
Heating capacity @ A-7/W+35 (max.)	W/W	*	4,80
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	178 / 135
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,53 / 3,45
COP			4,30
Sound power level (ERP)	dB(A)	*	66
Sound power level (max.) /Heating capacity	dB(A) /kW	*	71 /7,25
Sound power level (max.)	dB(A)	*	65
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	54 /2,85
Sound power level (night operation)	dB(A)	*	55
Sound pressure level (Rated, 1m)	dB(A)	*	45
Sound pressure level (Rated, 1m)	dB(A)	*	46
Sound pressure level (night operation, @ 1m)	dB(A)	*	40
Sound pressure level (night operation, @ 1m)	dB(A)	*	41
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +25
Outdoor temperature operating range (min.-max.)	°C	*	+10 / +43
Outdoor unit power supply	VPh+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R32
Dimensions (HxWxD)	mm		630 x 800 x 300

INDOOR UNIT		HWT-602S21SM3W-E	HWT-602S21ST6W-E
Tank volume	l	210	210
Supply water temperature (min.-max.)	°C	20/55	20/55
Supply water temperature (min.-max.)	°C	7/25	7/25
Backup heater, capacity	kW	3	6
Water flow rate (min.)	m³/h	0,66	0,66
Water pump, discharge head (max.)	m	7,2	7,2
Sound power level	dB(A)	40	40
Sound power level	dB(A)	40	40
Dimensions (HxWxD)	mm	1700 x 595 x 670	1700 x 595 x 670

ESTIA SPLIT 6

Hydrobox



Energy efficiency class 	Operating range -25 to +43°C	Supply water temperature heating Up to +55°C
<i>depending on the model</i>		

Combination options
Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWT-601HW-E
Heating range @A+7/W+35 (min. - max.)	kW	☀	0,80 - 7,25
Heating capacity @ A+7/W+35 (nom.)	kW	☀	6,00
Cooling capacity @ A+35/W+7 (nom.)	kW	❄	5,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	☀	4,80
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄	3,30
Heating capacity @ A-7/W+35 (max.)	W/W	☀	6,06
Energy efficiency class		☀	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	☀	180 / 132
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	☀	4,58 / 3,37
COP			4,30
Sound power level (ERP)	dB(A)	☀	66
Sound power level (max.) /Heating capacity	dB(A) /kW	☀	71 /7,25
Sound power level (max.)	dB(A)	❄	65
Sound power level (night operation) /Heating capacity	dB(A) /kW	☀	58 /4,29
Sound power level (night operation)	dB(A)	❄	57
Sound pressure level (Rated, 1m)	dB(A)	☀	46
Sound pressure level (Rated, 1m)	dB(A)	❄	46
Sound pressure level (night operation, @ 1m)	dB(A)	☀	42
Sound pressure level (night operation, @ 1m)	dB(A)	❄	41
Outdoor temperature operating range (min. - max.)	°C	☀	-20 / +25
Outdoor temperature operating range (min. - max.)	°C	❄	+10 / +43
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R32
Dimensions (HxWxD)	mm		630 x 800 x 300

INDOOR UNIT			HWT-601XWHM3W-E	HWT-601XWHT6W-E
Supply water temperature (min.-max.)	°C	☀	20/55	20/55
Supply water temperature (min.-max.)	°C	❄	7/25	7/25
Backup heater, capacity	kW		3	6
Water flow rate (min.)	m³/h		0,66	0,66
Water pump, discharge head (max.)	m		7,2	7,2
Sound power level	dB(A)	☀	40	40
Sound power level	dB(A)	❄	40	40
Dimensions (HxWxD)	mm		725 x 450 x 235	725 x 450 x 235

ESTIA SPLIT 6

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-25 to +43°C

Supply water temperature heating

Up to +55°C

depending on the model

Combination options

Outdoor and indoor unit

OUTDOOR UNIT		1-phase	
		HWT-601HW-E	
Heating range @A+7/W+35 (min. - max.)	kW	✳	0,80 - 7,25
Heating capacity @ A+7/W+35 (nom.)	kW	✳	6,00
Cooling capacity @ A+35/W+7 (nom.)	kW	❄	5,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	✳	4,80
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄	3,30
Heating capacity @ A-7/W+35 (max.)	W/W	✳	6,06
Energy efficiency class		✳	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	✳	180 / 132
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	✳	4,58 / 3,37
COP			4,30
Sound power level (ERP)	dB(A)	✳	66
Sound power level (max.) /Heating capacity	dB(A) /kW	✳	71 /7,25
Sound power level (max.)	dB(A)	❄	65
Sound power level (night operation) /Heating capacity	dB(A) /kW	✳	58 /4,29
Sound power level (night operation)	dB(A)	❄	57
Sound pressure level (Rated, 1m)	dB(A)	✳	46
Sound pressure level (Rated, 1m)	dB(A)	❄	46
Sound pressure level (night operation, @ 1m)	dB(A)	✳	42
Sound pressure level (night operation, @ 1m)	dB(A)	❄	41
Outdoor temperature operating range (min. - max.)	°C	✳	-20 / +25
Outdoor temperature operating range (min. - max.)	°C	❄	+10 / +43
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R32
Dimensions (HxWxD)	mm		630 x 800 x 300

INDOOR UNIT		HWT-602S21SM3W-E		HWT-602S21ST6W-E	
Tank volume	l		210		210
Supply water temperature (min. -max.)	°C	✳	20/55		20/55
Supply water temperature (min. -max.)	°C	❄	7/25		7/25
Backup heater, capacity	kW		3		6
Water flow rate (min.)	m³/h		0,66		0,66
Water pump, discharge head (max.)	m		7,2		7,2
Sound power level	dB(A)	✳	40		40
Sound power level	dB(A)	❄	40		40
Dimensions (HxWxD)	mm		1700 x 595 x 670		1700 x 595 x 670

ESTIA SPLIT 8

Hydrobox


Energy efficiency class
A+++
Operating range

-25 to +43°C

Supply water temperature heating


Up to +65°C

depending on the model
Combination options
Outdoor and indoor unit

		1-phase		3-phase	
OUTDOOR UNIT		HWT-801HW-E		HWT-801H8W-E	
Heating range @A+7/W+35 (min. - max.)	kW *	1,01 - 11,90		2,65 - 12,27	
Heating capacity @ A+7/W+35 (nom.)	kW *	8,00		8,00	
Cooling capacity @ A+35/W+7 (nom.)	kW ❄️	6,00		6,00	
Energy efficiency COP @ A+7/W+35 (nom.)	W/W *	5,19		5,06	
Energy efficiency EER @ A+35/W+7 (nom.)	W/W ❄️	3,20		2,83	
Heating capacity @ A-7/W+35 (max.)	W/W *	8,11		7,39	
Energy efficiency class	*	A+++		A+++	
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	% *	182 / 142		177 / 140	
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W *	4,63 / 3,63		4,51 / 3,59	
COP		4,40		-	
Sound power level (ERP)	dB(A) *	65		65	
Sound power level (max.) /Heating capacity	dB(A) /kW *	71 /11,90		71 /12,27	
Sound power level (max.)	dB(A) ❄️	66		66	
Sound power level (night operation) /Heating capacity	dB(A) /kW *	58 /5,93		61 /5,93	
Sound power level (night operation)	dB(A) ❄️	59		61	
Sound pressure level (Rated, 1m)	dB(A) *	51		50	
Sound pressure level (Rated, 1m)	dB(A) ❄️	50		53	
Sound pressure level (night operation, @ 1m)	dB(A) *	46		49	
Sound pressure level (night operation, @ 1m)	dB(A) ❄️	47		48	
Outdoor temperature operating range (min.-max.)	°C *	-25 / +25		-25 / +25	
Outdoor temperature operating range (min.-max.)	°C ❄️	+10 / +43		+10 / +43	
Outdoor unit power supply	V/Ph+N/Hz	220-240/1+N/50		380-415/3+N/50	
Recommended fusing	A	20		3x 16	
Refrigerant		R32		R32	
Dimensions (HxWxD)	mm	1050 x 1010 x 370		1050 x 1010 x 370	

INDOOR UNIT		HWT-1101XWHT6W-E	HWT-1101XWHT9W-E	HWT-1101XWHT6W-E	HWT-1101XWHT9W-E
Supply water temperature (min.-max.)	°C *	20/65	20/65	20/65	20/65
Supply water temperature (min.-max.)	°C ❄️	7/25	7/25	7/25	7/25
Backup heater, capacity	kW	6	9	6	9
Water flow rate (min.)	m³/h	0,78	0,78	0,78	0,78
Water pump, discharge head (max.)	m	7,2	7,2	7,2	7,2
Sound power level	dB(A) *	38	38	40	40
Sound power level	dB(A) ❄️	38	38	40	40
Dimensions (HxWxD)	mm	720 x 450 x 235	720 x 450 x 235	725 x 450 x 235	725 x 450 x 235

ESTIA SPLIT 8

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-25 to +43°C

Supply water temperature heating

Up to +65°C

depending on the model

Combination options

Outdoor and indoor unit

			1-phase	3-phase
OUTDOOR UNIT			HWT-801HW-E	HWT-801H8W-E
Heating range @A+7/W+35 (min. – max.)	kW	☀	1,01 - 11,90	2,65 - 12,27
Heating capacity @ A+7/W+35 (nom.)	kW	☀	8,00	8,00
Cooling capacity @ A+35/W+7 (nom.)	kW	❄	6,00	6,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	☀	5,19	5,06
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄	3,20	2,83
Heating capacity @ A-7/W+35 (max.)	W/W	☀	8,11	7,39
Energy efficiency class		☀	A+++	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	☀	182 / 142	177 / 140
Seasonal energy efficiency SCOP - Average Climate, W+35/W+55	W/W	☀	4,63 / 3,63	4,51 / 3,59
COP			4,40	-
Sound power level (ERP)	dB(A)	☀	65	65
Sound power level (max.) /Heating capacity	dB(A) /kW	☀	71 /11,90	71 /12,27
Sound power level (max.)	dB(A)	❄	66	66
Sound power level (night operation) /Heating capacity	dB(A) /kW	☀	58 /5,93	61 /5,93
Sound power level (night operation)	dB(A)	❄	59	61
Sound pressure level (Rated, 1m)	dB(A)	☀	51	50
Sound pressure level (Rated, 1m)	dB(A)	❄	50	53
Sound pressure level (night operation, @ 1m)	dB(A)	☀	46	49
Sound pressure level (night operation, @ 1m)	dB(A)	❄	47	48
Outdoor temperature operating range (min.-max.)	°C	☀	-25 / +25	-25 / +25
Outdoor temperature operating range (min.-max.)	°C	❄	+10 / +43	+10 / +43
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50	380-415/3+N/50
Recommended fusing	A		20	3x 16
Refrigerant			R32	R32
Dimensions (HxWxD)	mm		1050 x 1010 x 370	1050 x 1010 x 370

		1 zone	2 zones	1 zone	2 zones
INDOOR UNIT		HWT-1102S21ST9W-E	HWT-1102S21MT9W-E	HWT-1102S21ST9W-E	HWT-1102S21MT9W-E
Tank volume	l	210	210	210	210
Supply water temperature (min.-max.)	°C	☀	20/65	20/65	20/65
Supply water temperature (min.-max.)	°C	❄	7/25	7/25	7/25
Backup heater, capacity	kW	9	9	9	9
Water flow rate (min.)	m³/h	0,78	0,78	0,78	0,78
Water pump, discharge head (max.)	m	7,2	7,2	7,2	7,2
Sound power level	dB(A)	☀	40	45	45
Sound power level	dB(A)	❄	40	45	45
Dimensions (HxWxD)	mm	1700 x 595 x 670			

ESTIA SPLIT 11

Hydrobox



Energy efficiency class 	Operating range -25 to +43°C	Supply water temperature heating Up to +65°C
<i>depending on the model</i>		

Combination options
Outdoor and indoor unit

		1-phase		3-phase	
OUTDOOR UNIT		HWT-1101HW-E		HWT-1101H8W-E	
Heating range @A+7/W+35 (min. - max.)	kW *	1,01 - 13,24		2,58 - 15,50	
Heating capacity @ A+7/W+35 (nom.)	kW *	11,00		11,00	
Cooling capacity @ A+35/W+7 (nom.)	kW ❄️	8,00		8,00	
Energy efficiency COP @ A+7/W+35 (nom.)	W/W *	4,60		4,74	
Energy efficiency EER @ A+35/W+7 (nom.)	W/W ❄️	2,80		2,62	
Heating capacity @ A-7/W+35 (max.)	W/W *	9,10		10,49	
Energy efficiency class	*	A+++		A+++	
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	% *	179 / 142		179 / 138	
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W *	4,55 / 3,62		4,56 / 3,52	
COP		4,30		-	
Sound power level (ERP)	dB(A) *	65		65	
Sound power level (max.) /Heating capacity	dB(A) /kW *	72 /13,24		72 /15,50	
Sound power level (max.)	dB(A) ❄️	67		67	
Sound power level (night operation) /Heating capacity	dB(A) /kW *	62 /8,28		61 /8,28	
Sound power level (night operation)	dB(A) ❄️	60		62	
Sound pressure level (Rated, 1m)	dB(A) *	51		58	
Sound pressure level (Rated, 1m)	dB(A) ❄️	51		54	
Sound pressure level (night operation, @ 1m)	dB(A) *	49		49	
Sound pressure level (night operation, @ 1m)	dB(A) ❄️	47		49	
Outdoor temperature operating range (min.-max.)	°C *	-25 / +25		-25 / +25	
Outdoor temperature operating range (min.-max.)	°C ❄️	+10 / +43		+10 / +43	
Outdoor unit power supply	V/Ph+N/Hz	220-240/1+N/50		380-415/3+N/50	
Recommended fusing	A	20		3x 16	
Refrigerant		R32		R32	
Dimensions (HxWxD)	mm	1050 x 1010 x 370		1050 x 1010 x 370	

INDOOR UNIT		HWT-1101XWHT6W-E	HWT-1101XWHT9W-E	HWT-1101XWHT6W-E	HWT-1101XWHT9W-E
Supply water temperature (min.-max.)	°C *	20/65	20/65	20/65	20/65
Supply water temperature (min.-max.)	°C ❄️	7/25	7/25	7/25	7/25
Backup heater, capacity	kW	6	9	6	9
Water flow rate (min.)	m³/h	0,78	0,78	0,78	0,78
Water pump, discharge head (max.)	m	7,2	7,2	7,2	7,2
Sound power level	dB(A) *	38	38	38	38
Sound power level	dB(A) ❄️	38	38	38	38
Dimensions (HxWxD)	mm	725 x 450 x 235			

ESTIA SPLIT 11

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-25 to +43°C

Supply water temperature heating

Up to +65°C

depending on the model

Combination options

Outdoor and indoor unit

			1-phase	3-phase
OUTDOOR UNIT			HWT-1101HW-E	HWT-1101H8W-E
Heating range @A+7/W+35 (min. – max.)	kW	☀	1,01 - 13,24	2,58 - 15,50
Heating capacity @ A+7/W+35 (nom.)	kW	☀	11,00	11,00
Cooling capacity @ A+35/W+7 (nom.)	kW	❄	8,00	8,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	☀	4,60	4,74
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄	2,80	2,62
Heating capacity @ A-7/W+35 (max.)	W/W	☀	9,10	10,49
Energy efficiency class		☀	A+++	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	☀	179 / 142	179 / 138
Seasonal energy efficiency SCOP - Average Climate, W+35/W+55	W/W	☀	4,55 / 3,62	4,56 / 3,52
COP			4,30	-
Sound power level (ERP)	dB(A)	☀	65	65
Sound power level (max.) /Heating capacity	dB(A) /kW	☀	72 /13,24	72 /15,50
Sound power level (max.)	dB(A)	❄	67	67
Sound power level (night operation) /Heating capacity	dB(A) /kW	☀	62 /8,28	61 /8,28
Sound power level (night operation)	dB(A)	❄	60	62
Sound pressure level (Rated, 1m)	dB(A)	☀	51	58
Sound pressure level (Rated, 1m)	dB(A)	❄	51	54
Sound pressure level (night operation, @ 1m)	dB(A)	☀	49	49
Sound pressure level (night operation, @ 1m)	dB(A)	❄	47	49
Outdoor temperature operating range (min.-max.)	°C	☀	-25 / +25	-25 / +25
Outdoor temperature operating range (min.-max.)	°C	❄	+10 / +43	+10 / +43
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50	380-415/3+N/50
Recommended fusing	A		20	3x 16
Refrigerant			R32	R32
Dimensions (HxWxD)	mm		1050 x 1010 x 370	1050 x 1010 x 370

		1 zone	2 zones	1 zone	2 zones
INDOOR UNIT		HWT-1102S21ST9W-E	HWT-1102S21MT9W-E	HWT-1102S21ST9W-E	HWT-1102S21MT9W-E
Tank volume	l	210	210	210	210
Supply water temperature (min.-max.)	°C	☀ 20/65	☀ 20/65	☀ 20/65	☀ 20/65
Supply water temperature (min.-max.)	°C	❄ 7/25	❄ 7/25	❄ 7/25	❄ 7/25
Backup heater, capacity	kW	9	9	9	9
Water flow rate (min.)	m³/h	0,78	0,78	0,78	0,78
Water pump, discharge head (max.)	m	7,2	7,2	7,2	7,2
Sound power level	dB(A)	☀ 40	☀ 45	☀ 40	☀ 45
Sound power level	dB(A)	❄ 40	❄ 45	❄ 40	❄ 45
Dimensions (HxWxD)	mm	1700 x 595 x 670			

ESTIA SPLIT 14

Hydrobox



Energy efficiency class 	Operating range -25 to +43°C	Supply water temperature heating Up to +65°C
<i>depending on the model</i>		

Combination options
Outdoor and indoor unit

			1-phase	3-phase
			HWT-1401HW-E	HWT-1401H8W-E
Heating range @A+7/W+35 (min. - max.)	kW	✳	2,44 - 18,39	2,55 - 18,39
Heating capacity @ A+7/W+35 (nom.)	kW	✳	14,00	14,00
Cooling capacity @ A+35/W+7 (nom.)	kW	❄	10,00	10,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	✳	4,60	4,60
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄	2,45	2,45
Heating capacity @ A-7/W+35 (max.)	W/W	✳	13,05	10,19
Energy efficiency class		✳	A+++	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	✳	183 / 138	180 / 139
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	✳	4,65 / 3,53	4,57 / 3,55
COP			-	-
Sound power level (ERP)	dB(A)	✳	69	69
Sound power level (max.) /Heating capacity	dB(A) /kW	✳	72 /18,39	72 /18,39
Sound power level (max.)	dB(A)	❄	70	70
Sound power level (night operation) /Heating capacity	dB(A) /kW	✳	62 /11,12	62 /11,12
Sound power level (night operation)	dB(A)	❄	63	63
Sound pressure level (Rated, 1m)	dB(A)	✳	59	59
Sound pressure level (Rated, 1m)	dB(A)	❄	59	59
Sound pressure level (night operation, @ 1m)	dB(A)	✳	50	50
Sound pressure level (night operation, @ 1m)	dB(A)	❄	51	51
Outdoor temperature operating range (min.-max.)	°C	✳	-25 / +25	-25 / +25
Outdoor temperature operating range (min.-max.)	°C	❄	+10 / +43	+10 / +43
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50	380-415/3+N/50
Recommended fusing	A		20	3x 16
Refrigerant			R32	R32
Dimensions (HxWxD)	mm		1050 x 1010 x 370	1050 x 1010 x 370

			HWT-1401XWHT9W-E	HWT-1401XWHT9W-E
Supply water temperature (min.-max.)	°C	✳	20/65	20/65
Supply water temperature (min.-max.)	°C	❄	7/25	7/25
Backup heater, capacity	kW		9	9
Water flow rate (min.)	m³/h		0,78	0,78
Water pump, discharge head (max.)	m		7,2	7,2
Sound power level	dB(A)	✳	40	40
Sound power level	dB(A)	❄	40	40
Dimensions (HxWxD)	mm		725 x 450 x 235	725 x 450 x 235

ESTIA SPLIT 14

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-25 to +43°C

Supply water temperature heating

Up to +65°C

depending on the model

Combination options

Outdoor and indoor unit

		1-phase		3-phase	
OUTDOOR UNIT		HWT-1401HW-E		HWT-1401H8W-E	
Heating range @A+7/W+35 (min. – max.)	kW	☀	2,44 - 18,39		2,55 - 18,39
Heating capacity @ A+7/W+35 (nom.)	kW	☀	14,00		14,00
Cooling capacity @ A+35/W+7 (nom.)	kW	❄	10,00		10,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	☀	4,60		4,60
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄	2,45		2,45
Heating capacity @ A-7/W+35 (max.)	W/W	☀	13,05		10,19
Energy efficiency class		☀	A+++		A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	☀	183 / 138		180 / 139
Seasonal energy efficiency SCOP - Average Climate, W+35/W+55	W/W	☀	4,65 / 3,57		4,57 / 3,55
COP			-		-
Sound power level (ERP)	dB(A)	☀	69		69
Sound power level (max.) /Heating capacity	dB(A) /kW	☀	72 /18,39		72 /18,39
Sound power level (max.)	dB(A)	❄	70		70
Sound power level (night operation) /Heating capacity	dB(A) /kW	☀	62 /11,12		62 /11,12
Sound power level (night operation)	dB(A)	❄	63		63
Sound pressure level (Rated, 1m)	dB(A)	☀	59		59
Sound pressure level (Rated, 1m)	dB(A)	❄	59		59
Sound pressure level (night operation, @ 1m)	dB(A)	☀	50		50
Sound pressure level (night operation, @ 1m)	dB(A)	❄	51		51
Outdoor temperature operating range (min.-max.)	°C	☀	-25 / +25		-25 / +25
Outdoor temperature operating range (min.-max.)	°C	❄	+10 / +43		+10 / +43
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50		380-415/3+N/50
Recommended fusing	A		20		3x 16
Refrigerant			R32		R32
Dimensions (HxWxD)	mm		1050 x 1010 x 370		1050 x 1010 x 370

		1 zone		2 zones	
INDOOR UNIT		HWT-1402S21ST9W-E		HWT-1402S21MT9W-E	
Tank volume	l		210		210
Supply water temperature (min.-max.)	°C	☀	20/65		20/65
Supply water temperature (min.-max.)	°C	❄	7/25		7/25
Backup heater, capacity	kW		9		9
Water flow rate (min.)	m³/h		0,78		0,78
Water pump, discharge head (max.)	m		7,2		7,2
Sound power level	dB(A)	☀	42		46
Sound power level	dB(A)	❄	42		46
Dimensions (HxWxD)	mm		1700 x 595 x 670		1700 x 595 x 670



ACCESSORIES of the ESTIA R32

TYPE / DESCRIPTION



HWS-AMSU51-E
External control unit (wired)



HWS-IWF0010UP-E
ESTIA R32 WiFi Adapter



95612037
Temperature sensor for locally provided hot water tank



BMS-IFKX0UEW-E
KNX® interface, integration in building control systems, group control for up to 8 units (R32)



BMS-IFMBOUEW-E
Modbus interface, integration in building control systems, group control for up to 8 units



HWS-CPR01W-E
Circulation pipe option-kit for All-in-One indoor unit

ESTIA BI-BLOC PRODUCT OVERVIEW

Type	4	6	8
<p>ESTIA Hydrobox</p> 	<p>1-phase</p>  <p>Page 26</p> <p>OU: HWP-401HW-E IU: HWP-1601XWHT8W-E</p>	<p>1-phase</p>  <p>Page 28</p> <p>OU: HWP-601HW-E IU: HWP-1601XWHT8W-E</p>	<p>1-phase</p>  <p>Page 30</p> <p>OU: HWP-801HW-E IU: HWP-1601XWHT8W-E</p>
<p>ESTIA All-in-One</p> 	<p>1-phase</p>  <p>Page 27</p> <p>OU: HWP-401HW-E IU: HWP-1601F19ST8W-E</p>	<p>1-phase</p>  <p>Page 29</p> <p>OU: HWP-601HW-E IU: HWP-1601F19ST8W-E</p>	<p>1-phase</p>  <p>Page 31</p> <p>OU: HWP-801HW-E IU: HWP-1601F19ST8W-E</p>

Hydrobox

Combinations with compact indoor unit for wall mounting. Its low space requirement is perfect for renovations or smaller residential units.

- › Outdoor units 230 and 400 V
- › Energy efficiency class A+++
- › Uses natural R290 refrigerant
- › Operating range of -20 to +40°C
- › Supply water temperature heating up to +70°C
- › Backup heater with 2.4/2.4/3.2 kW, max. 8 kW
- › 2 zones optional: 1x mixed, 1x unmixed

	10	10	13	16
1-phase	3-phase	3-phase	3-phase	3-phase
				
Page 32	Page 32	Page 34	Page 36	
OU: HWP-1001HW-E IU: HWP-1601XWHT8W-E	OU: HWP-1001H8W-E IU: HWP-1601XWHT8W-E	OU: HWP-1301H8W-E IU: HWP-1601XWHT8W-E	OU: HWP-1601H8W-E IU: HWP-1601XWHT8W-E	
1-phase	3-phase	3-phase	3-phase	
				
Page 33	Page 33	Page 35	Page 35	
OU: HWP-1001HW-E IU: HWP-1601F19ST8W-E	OU: HWP-1001H8W-E IU: HWP-1601F19ST8W-E	OU: HWP-1301H8W-E IU: HWP-1601F19ST8W-E	OU: HWP-1601H8W-E IU: HWP-1601F19ST8W-E	

All-in-One

Combinations with floor standing indoor unit with integrated 190-liter hot water tank. Compact all-round solution for all applications.

- › Outdoor units 230 and 400 V
- › Energy efficiency class A+++
- › Uses natural R290 refrigerant
- › Operating range of -20 to +40°C
- › Supply water temperature heating up to +70°C
- › Backup heater with 2.4/2.4/3.2 kW, max. 8 kW
- › 2 zones optional: 1x mixed, 1x unmixed

ESTIA BI-BLOC

Hydrobox



Energy efficiency class 	Operating range -20 to +45°C	Supply water temperature heating Up to +70°C
<i>depending on the model</i>		

Combination options
Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWP-401HW-E
Heating range @A+7/W+35 (min. - max.)	kW	*	2,10 - 4,10
Heating capacity @ A+7/W+35 (nom.)	kW	*	4,00
Cooling capacity @ A+35/W+7 (nom.)	kW	❄️	2,60
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	5,00
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄️	2,90
Heating capacity @ A-7/W+35 (max.)	W/W	*	3,80
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	127
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,50 / 3,30
COP			-
Sound power level (ERP)	dB(A)	*	51
Sound power level (max.) /Heating capacity	dB(A) /kW	*	56 / 4,10
Sound power level (max.)	dB(A)	❄️	56
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	52
Sound power level (night operation)	dB(A)	❄️	52
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (Rated, 1m)	dB(A)	❄️	40
Sound pressure level (night operation, @ 1m)	dB(A)	*	41
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	45
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	❄️	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R290
Dimensions (HxWxD)	mm		841 x 1144 x 600

			HWP-1601XWHT8W-E
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	❄️	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	*	40
Sound power level	dB(A)	❄️	40
Dimensions (HxWxD)	mm		920 x 450 x 360

ESTIA BI-BLOC

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-20 to +43°C

Supply water temperature heating

Up to +70°C

depending on the model

Combination options

Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWP-401HW-E
Heating range @A+7/W+35 (min. - max.)	kW	*	2,10 - 4,10
Heating capacity @ A+7/W+35 (nom.)	kW	*	4,00
Cooling capacity @ A+35/W+7 (nom.)	kW	*	2,60
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	5,00
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	*	2,90
Heating capacity @ A-7/W+35 (max.)	W/W	*	3,80
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	127
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,50 / 3,30
COP			-
Sound power level (ERP)	dB(A)	*	51
Sound power level (max.) /Heating capacity	dB(A) /kW	*	56 / 4,10
Sound power level (max.)	dB(A)	*	56
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	52
Sound power level (night operation)	dB(A)	*	52
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (night operation, @ 1m)	dB(A)	*	41
Sound pressure level (night operation, @ 1m)	dB(A)	*	45
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	*	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R290
Dimensions (HxWxD)	mm		841 x 1144 x 600

INDOOR UNIT			HWP-1601F19ST8W-E
Tank volume	l		190
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	*	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	*	40
Sound power level	dB(A)	*	40
Dimensions (HxWxD)	mm		1900 x 600 x 597

ESTIA BI-BLOC 6

Hydrobox



Energy efficiency class 	Operating range -20 to +45°C	Supply water temperature heating Up to +70°C
<i>depending on the model</i>		

Combination options
Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWP-601HW-E
Heating range @A+7/W+35 (min. - max.)	kW	*	2,10 - 6,00
Heating capacity @ A+7/W+35 (nom.)	kW	*	4,80
Cooling capacity @ A+35/W+7 (nom.)	kW	❄️	3,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	4,90
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄️	2,90
Heating capacity @ A-7/W+35 (max.)	W/W	*	5,60
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	141
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,60 / 3,60
COP			-
Sound power level (ERP)	dB(A)	*	51
Sound power level (max.) /Heating capacity	dB(A) /kW	*	58 / 6,00
Sound power level (max.)	dB(A)	❄️	58
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	52
Sound power level (night operation)	dB(A)	❄️	52
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (Rated, 1m)	dB(A)	❄️	40
Sound pressure level (night operation, @ 1m)	dB(A)	*	41
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	47
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	❄️	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R290
Dimensions (HxWxD)	mm		841 x 1144 x 600

			HWP-1601XWHT8W-E
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	❄️	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	* / ❄️	40 / 40
Dimensions (HxWxD)	mm		920 x 450 x 360

ESTIA BI-BLOC 6

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-20 to +43°C

Supply water temperature heating

Up to +70°C

depending on the model

Combination options

Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWP-601HW-E
Heating range @A+7/W+35 (min. - max.)	kW	*	2,10 - 6,00
Heating capacity @ A+7/W+35 (nom.)	kW	*	4,80
Cooling capacity @ A+35/W+7 (nom.)	kW	*	3,00
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	4,90
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	*	2,90
Heating capacity @ A-7/W+35 (max.)	W/W	*	5,60
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	141
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,60 / 3,60
COP			-
Sound power level (ERP)	dB(A)	*	51
Sound power level (max.) /Heating capacity	dB(A) /kW	*	58 / 6,00
Sound power level (max.)	dB(A)	*	58
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	52
Sound power level (night operation)	dB(A)	*	52
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (night operation, @ 1m)	dB(A)	*	41
Sound pressure level (night operation, @ 1m)	dB(A)	*	47
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	*	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R290
Dimensions (HxWxD)	mm		841 x 1144 x 600

INDOOR UNIT			HWP-1601F19ST8W-E
Tank volume	l		190
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	*	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	* / *	40 / 40
Dimensions (HxWxD)	mm		1900 x 600 x 597

ESTIA BI-BLOC 8

Hydrobox



Energy efficiency class 	Operating range -20 to +45°C	Supply water temperature heating Up to +70°C
<i>depending on the model</i>		

Combination options
Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWP-801HW-E
Heating range @A+7/W+35 (min. - max.)	kW	*	2,10 - 8,00
Heating capacity @ A+7/W+35 (nom.)	kW	*	5,60
Cooling capacity @ A+35/W+7 (nom.)	kW	❄️	3,40
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	4,70
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄️	2,90
Heating capacity @ A-7/W+35 (max.)	W/W	*	6,50
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	137
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,40 / 4,50
COP			-
Sound power level (ERP)	dB(A)	*	51
Sound power level (max.) /Heating capacity	dB(A) /kW	*	59 / 8,00
Sound power level (max.)	dB(A)	❄️	59
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	52
Sound power level (night operation)	dB(A)	❄️	52
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (Rated, 1m)	dB(A)	❄️	40
Sound pressure level (night operation, @ 1m)	dB(A)	*	41
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	48
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	❄️	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R290
Dimensions (HxWxD)	mm		841 x 1144 x 600

			HWP-1601XWHT8W-E
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	❄️	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	* / ❄️	40 / 40
Dimensions (HxWxD)	mm		920 x 450 x 360

ESTIA BI-BLOC 8

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-20 to +43°C

Supply water temperature heating

Up to +70°C

depending on the model

Combination options

Outdoor and indoor unit

			1-phase
OUTDOOR UNIT			HWP-801HW-E
Heating range @A+7/W+35 (min. - max.)	kW	*	2,10 - 8,00
Heating capacity @ A+7/W+35 (nom.)	kW	*	5,60
Cooling capacity @ A+35/W+7 (nom.)	kW	*	3,40
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	4,70
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	*	2,90
Heating capacity @ A-7/W+35 (max.)	W/W	*	6,50
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	137
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,40 / 4,50
COP			-
Sound power level (ERP)	dB(A)	*	51
Sound power level (max.) /Heating capacity	dB(A) /kW	*	59 / 8,00
Sound power level (max.)	dB(A)	*	59
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	52
Sound power level (night operation)	dB(A)	*	52
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (Rated, 1m)	dB(A)	*	40
Sound pressure level (night operation, @ 1m)	dB(A)	*	41
Sound pressure level (night operation, @ 1m)	dB(A)	*	48
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	*	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		16
Refrigerant			R290
Dimensions (HxWxD)	mm		841 x 1144 x 600

INDOOR UNIT			HWP-1601F19ST8W-E
Tank volume	l		190
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	*	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	* / *	40 / 40
Dimensions (HxWxD)	mm		1900 x 600 x 597

ESTIA BI-BLOC 10

Hydrobox



Energy efficiency class 	Operating range -20 to +45°C	Supply water temperature heating Up to +70°C
<i>depending on the model</i>		

Combination options
Outdoor and indoor unit

		1-phase		3-phase	
OUTDOOR UNIT		HWP-1001HW-E		HWP-1001H8W-E	
Heating range @A+7/W+35 (min. - max.)	kW *	2,60 - 12,00		2,60 - 12,00	
Heating capacity @ A+7/W+35 (nom.)	kW *	7,30		7,30	
Cooling capacity @ A+35/W+7 (nom.)	kW ❄️	3,90		3,90	
Energy efficiency COP @ A+7/W+35 (nom.)	W/W *	5,00		5,00	
Energy efficiency EER @ A+35/W+7 (nom.)	W/W ❄️	3,30		3,30	
Heating capacity @ A-7/W+35 (max.)	W/W *	9,70		9,70	
Energy efficiency class	*	A+++		A+++	
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	% *	145		145	
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W *	4,83 / 3,70		4,83 / 3,70	
COP		-		-	
Sound power level (ERP)	dB(A) *	56		56	
Sound power level (max.) /Heating capacity	dB(A) /kW *	66 / 12,00		66 / 12,00	
Sound power level (max.)	dB(A) ❄️	66		66	
Sound power level (night operation) /Heating capacity	dB(A) /kW *	59		59	
Sound power level (night operation)	dB(A) ❄️	59		59	
Sound pressure level (Rated, 1m)	dB(A) *	45		45	
Sound pressure level (Rated, 1m)	dB(A) ❄️	45		45	
Sound pressure level (night operation, @ 1m)	dB(A) *	48		48	
Sound pressure level (night operation, @ 1m)	dB(A) ❄️	55		55	
Outdoor temperature operating range (min.-max.)	°C *	-20 / +40		-20 / +40	
Outdoor temperature operating range (min.-max.)	°C ❄️	+15 / +45		+15 / +45	
Outdoor unit power supply	V/Ph+N/Hz	220-240/1+N/50		380-415/3+N/50	
Recommended fusing	A	16		3x 16	
Refrigerant		R290		R290	
Dimensions (HxWxD)	mm	1382 x 1144 x 600		1382 x 1144 x 600	

INDOOR UNIT		HWP-1601XWHT8W-E		HWP-1601XWHT8W-E	
Supply water temperature (min.-max.)	°C *	15/70		15/70	
Supply water temperature (min.-max.)	°C ❄️	7/25		7/25	
Backup heater, capacity	kW	8		8	
Water flow rate (min.)	m³/h	1		1	
Water pump, discharge head (max.)	m	-		-	
Sound power level	dB(A) * / ❄️	40 / 40		40 / 40	
Dimensions (HxWxD)	mm	920 x 450 x 360		920 x 450 x 360	

ESTIA BI-BLOC 10

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-20 to +43°C

Supply water temperature heating

Up to +70°C

depending on the model

Combination options
Outdoor and indoor unit

			1-phase	3-phase
OUTDOOR UNIT			HWP-1001HW-E	HWP-1001H8W-E
Heating range @A+7/W+35 (min. - max.)	kW	*	2,60 - 12,00	2,60 - 12,00
Heating capacity @ A+7/W+35 (nom.)	kW	*	7,30	7,30
Cooling capacity @ A+35/W+7 (nom.)	kW	❄️	3,90	3,90
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	5,00	5,00
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄️	3,30	3,30
Heating capacity @ A-7/W+35 (max.)	W/W	*	9,70	9,70
Energy efficiency class		*	A+++	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	145	145
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,83 / 3,70	4,83 / 3,70
COP			-	-
Sound power level (ERP)	dB(A)	*	56	56
Sound power level (max.) /Heating capacity	dB(A) /kW	*	66 / 12,00	66 / 12,00
Sound power level (max.)	dB(A)	❄️	66	66
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	59	59
Sound power level (night operation)	dB(A)	❄️	59	59
Sound pressure level (Rated, 1m)	dB(A)	*	45	45
Sound pressure level (Rated, 1m)	dB(A)	❄️	45	45
Sound pressure level (night operation, @ 1m)	dB(A)	*	48	48
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	55	55
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	❄️	+15 / +45	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		220-240/1+N/50	380-415/3+N/50
Recommended fusing	A		16	3x 16
Refrigerant			R290	R290
Dimensions (HxWxD)	mm		1382 x 1144 x 600	1382 x 1144 x 600

			HWP-1601F19ST8W-E	HWP-1601F19ST8W-E
Tank volume	l		190	190
Supply water temperature (min.-max.)	°C	*	15/70	15/70
Supply water temperature (min.-max.)	°C	❄️	7/25	7/25
Backup heater, capacity	kW		8	8
Water flow rate (min.)	m³/h		1	1
Water pump, discharge head (max.)	m		-	-
Sound power level	dB(A)	* / ❄️	40 / 40	40 / 40
Dimensions (HxWxD)	mm		1900 x 600 x 597	1900 x 600 x 597

ESTIA BI-BLOC 13

Hydrobox



Energy efficiency class 	Operating range -20 to +45°C	Supply water temperature heating Up to +70°C
<i>depending on the model</i>		

Combination options

Outdoor and indoor unit

			3-phase
OUTDOOR UNIT			HWP-1301H8W-E
Heating range @A+7/W+35 (min. - max.)	kW	*	3,00 - 13,40
Heating capacity @ A+7/W+35 (nom.)	kW	*	8,10
Cooling capacity @ A+35/W+7 (nom.)	kW	❄️	5,60
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	4,90
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄️	3,40
Heating capacity @ A-7/W+35 (max.)	W/W	*	11,10
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	141
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,52 / 3,60
COP			-
Sound power level (ERP)	dB(A)	*	56
Sound power level (max.) /Heating capacity	dB(A) /kW	*	66 / 13,40
Sound power level (max.)	dB(A)	❄️	66
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	59
Sound power level (night operation)	dB(A)	❄️	59
Sound pressure level (Rated, 1m)	dB(A)	*	45
Sound pressure level (Rated, 1m)	dB(A)	❄️	45
Sound pressure level (night operation, @ 1m)	dB(A)	*	48
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	55
Outdoor temperature operating range (min. - max.)	°C	*	-20 / +40
Outdoor temperature operating range (min. - max.)	°C	❄️	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 16
Refrigerant			R290
Dimensions (HxWxD)	mm		1382 x 1144 x 600

			HWP-1601XWHT8W-E
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	❄️	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	*	40
Sound power level	dB(A)	❄️	40
Dimensions (HxWxD)	mm		920 x 450 x 360

ESTIA BI-BLOC 13

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-20 to +43°C

Supply water temperature heating

Up to +70°C

depending on the model

Combination options
Outdoor and indoor unit

			3-phase
OUTDOOR UNIT			HWP-1301H8W-E
Heating range @A+7/W+35 (min. - max.)	kW	*	3,00 - 13,40
Heating capacity @ A+7/W+35 (nom.)	kW	*	8,10
Cooling capacity @ A+35/W+7 (nom.)	kW	*	5,60
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	4,90
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	*	3,40
Heating capacity @ A-7/W+35 (max.)	W/W	*	11,10
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	141
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,52 / 3,60
COP			-
Sound power level (ERP)	dB(A)	*	56
Sound power level (max.) /Heating capacity	dB(A) /kW	*	66 / 13,40
Sound power level (max.)	dB(A)	*	66
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	59
Sound power level (night operation)	dB(A)	*	59
Sound pressure level (Rated, 1m)	dB(A)	*	45
Sound pressure level (Rated, 1m)	dB(A)	*	45
Sound pressure level (night operation, @ 1m)	dB(A)	*	48
Sound pressure level (night operation, @ 1m)	dB(A)	*	55
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	*	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 16
Refrigerant			R290
Dimensions (HxWxD)	mm		1382 x 1144 x 600

INDOOR UNIT			HWP-1601F19ST8W-E
Tank volume	l		190
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	*	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	*	40
Sound power level	dB(A)	*	40
Dimensions (HxWxD)	mm		1900 x 600 x 597

ESTIA BI-BLOC 16

Hydrobox



Energy efficiency class 	Operating range -20 to +45°C	Supply water temperature heating Up to +70°C
<i>depending on the model</i>		

Combination options
Outdoor and indoor unit

			3-phase
OUTDOOR UNIT			HWP-1601H8W-E
Heating range @A+7/W+35 (min. - max.)	kW	*	3,30 - 14,90
Heating capacity @ A+7/W+35 (nom.)	kW	*	9,10
Cooling capacity @ A+35/W+7 (nom.)	kW	❄️	6,30
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	4,90
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	❄️	3,40
Heating capacity @ A-7/W+35 (max.)	W/W	*	12,40
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	141
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,52 / 3,60
COP			-
Sound power level (ERP)	dB(A)	*	56
Sound power level (max.) /Heating capacity	dB(A) /kW	*	66 / 14,90
Sound power level (max.)	dB(A)	❄️	66
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	59
Sound power level (night operation)	dB(A)	❄️	59
Sound pressure level (Rated, 1m)	dB(A)	*	45
Sound pressure level (Rated, 1m)	dB(A)	❄️	45
Sound pressure level (night operation, @ 1m)	dB(A)	*	48
Sound pressure level (night operation, @ 1m)	dB(A)	❄️	55
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	❄️	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 16
Refrigerant			R290
Dimensions (HxWxD)	mm		1382 x 1144 x 600

			HWP-1601XWHT8W-E
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	❄️	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	* / ❄️	40 / 40
Dimensions (HxWxD)	mm		920 x 450 x 360

ESTIA BI-BLOC 16

All-in-One with domestic hot water tank



Energy efficiency class

A+++

Operating range

-20 to +43°C

Supply water temperature heating

Up to +70°C

depending on the model

Combination options

Outdoor and indoor unit

			3-phase
OUTDOOR UNIT			HWP-1601H8W-E
Heating range @A+7/W+35 (min. - max.)	kW	*	3,30 - 14,90
Heating capacity @ A+7/W+35 (nom.)	kW	*	9,10
Cooling capacity @ A+35/W+7 (nom.)	kW	*	6,30
Energy efficiency COP @ A+7/W+35 (nom.)	W/W	*	4,90
Energy efficiency EER @ A+35/W+7 (nom.)	W/W	*	3,40
Heating capacity @ A-7/W+35 (max.)	W/W	*	12,40
Energy efficiency class		*	A+++
Seasonal energy efficiency ETAs - Average Climate, W+35/W+55	%	*	141
Seasonal energy efficiency SCOP- Average Climate, W+35/W+55	W/W	*	4,52 / 3,60
COP			-
Sound power level (ERP)	dB(A)	*	56
Sound power level (max.) /Heating capacity	dB(A) /kW	*	66 / 14,90
Sound power level (max.)	dB(A)	*	66
Sound power level (night operation) /Heating capacity	dB(A) /kW	*	59
Sound power level (night operation)	dB(A)	*	59
Sound pressure level (Rated, 1m)	dB(A)	*	45
Sound pressure level (Rated, 1m)	dB(A)	*	45
Sound pressure level (night operation, @ 1m)	dB(A)	*	48
Sound pressure level (night operation, @ 1m)	dB(A)	*	55
Outdoor temperature operating range (min.-max.)	°C	*	-20 / +40
Outdoor temperature operating range (min.-max.)	°C	*	+15 / +45
Outdoor unit power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended fusing	A		3x 16
Refrigerant			R290
Dimensions (HxWxD)	mm		1382 x 1144 x 600

INDOOR UNIT			HWP-1601F19ST8W-E
Tank volume	l		190
Supply water temperature (min.-max.)	°C	*	15/70
Supply water temperature (min.-max.)	°C	*	7/25
Backup heater, capacity	kW		8
Water flow rate (min.)	m³/h		1
Water pump, discharge head (max.)	m		-
Sound power level	dB(A)	*	40 / 40
Dimensions (HxWxD)	mm		1900 x 600 x 597

ACCESSORIES OF THE ESTIA BI-BLOC R290

Description	Prod.Code (Item no.)	Outdoor unit	Hydro- box	AIO	Other ac- cessory	
Drain set for condensate tray	7788785	X				
Cover cap set for the openings on the foot rails of the outdoor unit	7638784	X				
Transport and setup tool, multiple use	7974394	X				
Bracket for floor installation, made from stainless steel profiles	7372951					
Ball valve set, for Hydrobox & AIO	7946790		X	X		
Compression fittings for ball valve set	7973236		X	X		
Valve/fittings cover 450 mm, for Hydrobox	7098638		X			
Hydraulic connection set (heating/cooling circuit) for surface mounting, to the LEFT	7946031			X		
Hydraulic connection set (heating/cooling circuit) for surface mounting, to the RIGHT	7946032			X		
Connection set (circulation), with high-efficiency circulating pump	7955602			X		
Connection set (circulation), for locally provided circulating pump	7946420			X		
Impressed current anode (consisting of 7265008 & 7817820)	7265008			X		
Divicon heating/cooling circuit distribution without mixer, with high-efficiency circulating pump Grundfos UPM3S 25-60, DN 25 - R 1	7986470				X	
Divicon heating/cooling circuit distribution with mixer, expansion set and VLT sensor, with high-efficiency circulating pump Grundfos UPM3S 25-60, DN 25 - R 1	7986467				X	
Grundfos cooling kit	7986760				X	
Drain funnel set, with siphon and rosette, DN 40	7176014			X		
Humidity sensor switch 230 V, dew point detection to prevent the buildup of condensation water	7452646		X	X		

Description	Prod.Code (Item no.)	Outdoor unit	Hydro- box	AIO	Other ac- cessory	
Wall mounting for single Divicon	7465894				X	
Manifold for 2 Divicon	7986761				X	
Wall mounting for manifold	7465439				X	
Mixer electronics expansion set EM-MX with integrated mixer motor (mixer assembly)	7974895				X	
Mixer electronics expansion set EM-M1 for separate mixer motor (wall mounting)	7974896				X	
Heating filter with magnetic separation (backflushable)	3203050				X	
Bus communication cable indoor/outdoor unit, length 5 m	7973122				X	
Bus communication cable indoor/outdoor unit, length 15 m	7973123				X	
Bus communication cable indoor/outdoor unit, length 30 m	7973124				X	
Wireless remote control unit	HW-TRC100-EH				X	
Immersion temperature sensor (NTC 10 kOhm)	7438702				X	
Contact temperature sensor (NTC 10 kOhm)	7426463				X	
Contact temperature monitor for directly connected heating/cooling circuit, length 1.5 m	7690354				X	
Immersion temperature monitor, length 4.2 m	7151728				X	
Contact temperature monitor, length 4.2 m	7151729				X	

NEEDED ACCESSORIES FOR THE SET:**OUTDOOR UNIT**

400 V electronics package, outdoor unit (7977285), 230 V electronics package, outdoor unit (7977219), hydraulic connection set (Basic), outdoor unit (7973227)

HYDROBOX: Connection set type 1, for Hydrobox (7973132)

ALL-IN-ONE: Hydraulic connection set (heating/cooling circuit) for surface mounting, to the TOP (7946030)

OPTIONAL:

electric trace heating for condensate tray (7713997), electric trace heating for condensate tray (7973114), fan collar heating, for one fan (7713998)

ESTIA

domestic hot water heat pump

Compact solution for preparing domestic hot water



Energy efficiency class 	Operating range  180 or 250 liter <i>depending on the model</i>	Supply water temperature heating  Up to +62°C
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INDOOR UNIT		HWS-G1801CNHVMV-E	HWS-G2501CNHVMV-E	HWS-G2501ENHVMV-E
Energy efficiency class		A+	A+	A+
Energy efficiency COP @ A+7/W+10 to +52.9 (EN16147)	W/W 	2,92	3,37	3,37
Air temperature operating range (min.-max.)	°C	-5 / +35	-5 / +35	-5 / +35
Heating-up time @ A+7/W+10 to +53.5 (EN16147)	hh:mm 	06:30	10:00	10:00
Tank volume	l	178	254	246
Water temperature, with backup heater (max.)	°C 	65,0	65,0	65,0
Water temperature, heat pump mode only (max.)	°C 	52,9	52,9	52,9
Corrosion protection		Magnesium anode	Magnesium anode	Magnesium anode
Sound power level, with air connections (ISO12102)	dB(A)	53	50	50
Sound pressure level, with air connections @ 2 m	dB(A)	35	32	32
Sound power level, without air connections (ISO12102)	dB(A)	64	64	64
Sound pressure level, without air connections @ 2 m	dB(A)	46	46	46
Airflow (min./nom./max.)	m³/h	250/--/320	331/--/375	331/--/375
External static pressure (max.)	Pa	100	100	100
Air connections diameter	mm	160	160	160
Room volume, without air connections (min.)	m³	20	20	20
Power consumption (max.)	W 	2,25	2,25	2,25
Backup heater, capacity	kW	1,50	1,50	1,50
Water connection (inlet/outlet)	Inch	3/4" - 3/4"	3/4" - 3/4"	3/4" - 3/4"
Condensate pipe diameter	mm	20	20	20
Power supply	V/Ph+N/Hz	220-240/1+N/50	220-240/1+N/50	220-240/1+N/50
Recommended fusing	A	10	10	10
Required height for installation (min.)	mm	1850	2000	2000
Refrigerant		R1234-ze	R1234-ze	R1234-ze
Refrigerant charge	kg	1,15	1,35	1,35
CO2 equivalent	t	0,008	0,009	0,009
Dimensions (HxØ)	mm	1559 x 584	1780 x 634	1780 x 634
Weight (dry/wet)	kg	95/273	110/364	110/364

ESTIA

DHW tank



INDOOR UNIT		HWS-1501CSHM3-E	HWS-2101CSHM3-E	HWS-3001CSHM3-E
Tank volume	l	150	210	300
Water temperature (max.)	°C	75	75	75
Backup heater, capacity	kW	2,75	2,75	2,75
Backup heater, connection	Ph+N	220-240/1+N/50	220-240/1+N/50	220-240/1+N/50
Dimensions (HxØ)	mm	1090 x 550	1474 x 550	2040 x 550
Weight (dry/wet)	kg	31 / 181	41 / 251	60 / 360

This is a special order item. Delivery time provided on request.

LIST OF IMAGES

We would like to take this opportunity to express our gratitude for the support and reference images provided. They give potential customers a realistic impression of our products and help us to strengthen the TOSHIBA brand.

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TOSHIBA



HOME

Your home – Your climate.



2 – 10 kW

TOSHIBA's innovative air conditioning systems were specially developed to ensure your wellbeing in your home, and its progressive technology offers comfort 365 days a year. Quiet operation, air filtering, and purification are just some of the benefits for greater comfort in your home. An air conditioning system is also the perfect heating solution, especially at season changes.

ESTIA

The Air-to-Water heat pump
The warmth of the future.



4 – 16 kW

High quality and efficiency in a space-saving format. The ESTIA air-to-water heat pump is extremely effective and is ideal for heating, hot water preparation, and cooling in your home.

Heating with heat from the air – environmentally friendly, cost-effective, and efficient.



Expertise in every sector –
air conditioning systems and heat pumps for cooling and heating



LIGHT BUSINESS



2.5 – 22.5 kW

The performance you need.
The comfort you expect.

With its versatility, the RAV single-room solutions are perfect for 24-hour continuous operation to maintain a precisely defined room climate – from small server rooms to large stores. Up to four indoor units can be combined for optimum air distribution and set to heat or cool the room as desired, so they can be operated all year round.



BUSINESS

Plan for excellence.
Cool excellently.



12.1 – 335 kW

Multi-room solutions comprise air conditioning systems for complex installations in large structures such as office buildings, shopping malls, or hotels. Huge system flexibility with piping lengths of 1200 m and up to 128 indoor units leave no wishes unmet. The system also allows independent cooling and heating at the same time in different rooms or areas of buildings.

CHILLERS

Cooling & heating in
the big leagues.



150 kW – 25.6 MW

TOSHIBA's USX chillers represent a new dimension in cooling and heating generation.

If the capacity required exceeds the technical and financial limits of direct evaporation systems, then water-based systems are used.



TOSHIBA

We advise you personally

YOUR CERTIFIED TOSHIBA AIR CONDITIONING PARTNER

TOSHIBA air conditioning partner:

Get quality and expertise with TOSHIBA air conditioning systems and heat pumps.

In addition to premium products, you'll benefit from a full range of consulting, planning, installation, and maintenance services from highly qualified air conditioning system specialists. Count on an optimum climate from the experts!

Flexibility for every application

TOSHIBA offers solutions for every requirement, from your home and business to industrial applications. Contact your TOSHIBA air conditioning partner or visit our website to find out more.

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