TOSHIBA

AIR/WATER-HEATPUMP FOR HEATING & COOLING

ESTIA All-in-One S1 4 kW

ightarrow Highlights

Integrated storage tank with 210 Liter Energy efficiency A +++ Operating range down to -25°C outdoor temperature Operation without backup heater up to the standard outside temperature

R32 Air to water heat pumps in split design with integrated hot water tank, for leaving water temperatures up to +65°C, in the capacity range from 4 to 14 kW, for the preparation of hot or cold water. Combination of outdoor unit and All-in-One indoor unit to supply all applications such as fan coils, radiators or underfloor heating.

Attractive and economical

- Highest energy efficiency (A +++)
- COP efficiency up to 5.20
- Low investment, installation and operating costs
- Particularly high efficiency in the partial load range
- Compressor control range from 10 to 100%
- _ Suitable for monovalent heating
- For heating and domestic hot water preparation
- Connection to existing heating systems possible
- EHPA and KEYMARK certified performance & quality
- Master / slave control for up to 8 ESTIA systems
- Highest "Japan-designed & Europe-manufactured" quality

Resource-saving

- _ Inverter control minimizes the power requirement
- Low-GWP refrigerant R32 pre-filled
- _ Air as an energy source in heating mode
- "Night Operation" whisper mode

Easy selection, installation &

commissioning

- "ESTIA Selection Tool" Software supports selection & calculates cost savings
- Only 60 x 67 cm installation space for the indoor unit
- _ Compact & quiet single-fan outdoor units
- Small amount of refrigerant, below the EN378 minimum limit
- "DynaKit" Startup Tool for easy commissioning via preconfiguration

Convenient operation

- Control unit integrated in the All-in-One indoor unit
- Additional (2nd) remote control possible as an option
- Optional 2-zone temperature control (8, 11, 14 kW)
- $_{-}\,$ 1-zone temperature control (4 & 6 kW)
- Automatic restart after a power failure
- _ Optional WiFi control via smartphone APP
- Weekly timer
- Frost protection function
- Hot water boost
- Night set-back function
- Screed heating program

ightarrow Technical details

- _ DC hybrid inverter technology
- Twin-rotary compressor
- _ Liquid-Injection (8 & 11 kW)
- Piping length up to 30 m
- _ Leaving water temperature up to +65°C (8, 11, 14 kW)
- 6-stage A-class water pump
- Digital IN / OUT functions as standard
- _ Smart Grid Onboard
- _ Control options: Modbus, KNX, 0-10 Volts, WiFi



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TOSHIBA

ESTIA All-in-One S1 4 kW / SET

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Refrigerant charge kg 0,9 CO2 equivalent t 0,608	Refrigerant			R32
CO2 equivalent t 0,608		kg		0,9
	Pre-charged up to	m		20
				630 x 800 x 300
Weight kg 42				

TOSHIBA

ESTIA All-in-One S1 4 kW / SET

Indoor unit			HWT-601F21SM3W-E
Supply water temperature (minmax.)	°C	۲	20/55
Supply water temperature (minmax.)	°C	*	7/25
Compatible outdoor units			401/601
Controllable zones			1
Backup heater, capacity	kW		3
Backup heater, connection	Ph+N		220-240/1+N/50
Backup heater, recommend fusing	А		16
Water pump			Variable speed centrifugal pump
Water flow rate (min.)	m³/h		0,66
Water flow rate (nom.)	m³/h		0,690
Water pump, power consumption (max.)	kW		0,060
Water pump, energy efficiency class			EEI
Water pump, discharge head (max.)	m		7,2
Expansion vessel	t		10
Water connection (inlet/outlet)	Inch		22
Sound pressure level (low/med/high)	dB(A)	*	30
Sound pressure level (low/med/high)	dB(A)	*	30
Sound power level	dB(A)	*	42
Sound power level	dB(A)	*	42
Dimensions (HxWxD)	mm		1700 x 600 x 670
Weight	kg		157

🕸 Cooling 🔶 Heating

The measuring conditions for this product can be found at https://www.toshiba-aircondition.com/en/measuring-conditions.html