

HWT-HW  
**ESTIA SPLIT R32 – WALL MOUNTED**



ESTIA R32 wall-mounted air-to-water reversible Heat Pumps provide space heating or comfort cooling throughout the year. They are ideal for new constructions and renovation. They can be combined with a separated tank for domestic hot water production (150, 200 and 300L).

**High energy efficiency for superior energy savings**





- A+++/A++ energy class in space heating low & medium temperature with part load efficiency  $\eta_s$  up to 183%.
- A+/A energy class in domestic hot water production with part load efficiency  $\eta_s$  dhw up to 122%.

**Silent operation**

- Silent outdoor unit down to 32dB(A) at 5m: No noise pollution for the neighborhoods.
- Silent indoor unit only 28 dB(A) at 1m.

**Easy to install, easy to control**

- Very compact outdoor unit (1 fan technology).
- The most compact wall-mounted hydro module on the market for easy integration.
- All components accessible on the facade: Simplified access for installation and maintenance.
- Possible management of a second water pump for 2 zones.
- Large screen remote controller, intuitive and easy to use.
- Power consumption display.
- Compatible with the latest generations of connected thermostats.
- Remote control via smartphones: Wireless interface option compatible with the Toshiba Home AC Control App.

COP MAX	CAPACITY	OPERATION	HOT WATER
 5.20	 4kW > 11kW	 -25°C > +43°C	 +20°C > +65°C

**Best in class performances:**

> **Toshiba Twin Rotary compressors** & inverter technology, with injection technology on sizes 8 & 11kW

> **65°C maximum leaving water temperature** ideal for renovation and boiler replacement

> **COP Domestic Hot Water up to 2.93** (EN16147)

> Heat pump operation for **DHW production up to +43°C outside air temperature** to maximize energy savings

> **Back-up heaters** 3kW or 6kW or 9kW



**INDOOR UNITS**

HWT-601XWHM3W-E  
 HWT-601XWHT6W-E  
 HWT-1101XWHM3W-E



**OUTDOOR UNITS**

HWT-401HW-E  
 HWT-601HW-E  
 HWT-801H(R)W-E  
 HWT-1105H(R)W-E



**REMOTE CONTROLS**

HWS-AMSU51-E



**DOMESTIC HOT WATER TANK**

HWS-1501CSHM3-E  
 HWS-2101CSHM3-E  
 HWS-3001CSHM3-E

**ESTIA SPLIT R32 – WALL MOUNTED**

**ESTIA SPLIT R32 – WALL MOUNTED Performance data PRELIMINARY DATA**

Outdoor unit	Air T°	Water T°	HWT- HWT-	401HW-E 601XWH**W-E	601HW-E 601XWH**W-E	801H(R)W-E 1101XWH**W-E	1105H(R)W-E 1101XWH**W-E
<b>Hydro unit combination</b>							
<b>Max heating capacity</b>	<b>+7°C</b>	<b>35°C</b>	<b>kW</b>	<b>H</b>	<b>7.25</b>	<b>7.25</b>	<b>13.24</b>
Nominal heating capacity (rated)	+7°C	35°C	kW	H	4.00	6.00	11.00
COP (rated)	+7°C	35°C	W/W	H	5.2	4.8	4.6
<b>Energy Efficiency Class - Average Climate - Low LWT</b>		<b>35°C</b>	<b>H</b>	<b>A+++</b>	<b>A+++</b>	<b>A+++</b>	<b>A+++</b>
ETAs h (ηs) - Average Climate - Low LWT		35°C	%	H	178	180	179
<b>SCOP - Average Climate - Low LWT</b>		<b>35°C</b>	<b>H</b>	<b>4.53</b>	<b>4.58</b>	<b>4.63</b>	<b>4.55</b>
<b>Max heating capacity</b>	<b>-7°C</b>	<b>35°C</b>	<b>kW</b>	<b>H</b>	<b>4.80</b>	<b>6.06</b>	<b>9.10</b>
Heating capacity (1)	-7°C	35°C	kW	H	4.25	5.26	7.95
COP (1)	-7°C	35°C	W/W	H	3.06	2.97	2.54
Max heating capacity	-10°C	35°C	kW	H	4.4	5.57	7.49
Max heating capacity	-15°C	35°C	kW	H	3.73	4.75	6.46
Heating capacity (1)	-15°C	35°C	kW	H	3.43	4.39	5.96
COP (1)	-15°C	35°C	W/W	H	2.54	2.56	2.40
<b>Energy Efficiency Class - Average Climate - Medium LWT</b>		<b>55°C</b>	<b>H</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>	<b>A++</b>
ETAs h (ηs) - Average Climate - Medium LWT		55°C	%	H	135	132	142
<b>SCOP - Average Climate - Medium LWT</b>		<b>55°C</b>	<b>H</b>	<b>3.45</b>	<b>3.37</b>	<b>3.63</b>	<b>3.62</b>
<b>Max heating capacity</b>	<b>+7°C</b>	<b>45°C</b>	<b>kW</b>	<b>H</b>	<b>6.97</b>	<b>6.97</b>	<b>12.41</b>
Max heating capacity	-7°C	45°C	kW	H	4.48	5.80	8.00
Max heating capacity	-15°C	45°C	kW	H	3.37	4.03	6.54
<b>Max heating capacity</b>	<b>+7°C</b>	<b>55°C</b>	<b>kW</b>	<b>H</b>	<b>6.51</b>	<b>7.53</b>	<b>10.17</b>
Max heating capacity	-7°C	55°C	kW	H	4.31	5.42	7.35
Max heating capacity	-10°C	55°C	kW	H	-	-	7.00
Max heating capacity	-15°C	55°C	kW	H	-	-	6.41
Cooling capacity nominal	35°C	7/12°C	kW	C	4.00	5.00	6.00
EER nominal			W/W	C	3.45	3.3	3.2
Cooling capacity	35°C	18/23°C	kW	C	6.34	7.12	8.85
EER			W/W	C	4.37	3.91	3.86

Max heating capacities are shown at peak value during operation, at max compressor operating range in accordance with EN14511. Nominal heating capacity are given at water delta T° 5°C and rated compressor operating frequency in accordance with EN14511. (1) Heating capacity at -7°C are shown at max compressor operating frequency in accordance with EN14511. Energy Efficiencies Class & Seasonal space heating energy efficiency (ηs) are provided for Average Climate conditions in accordance with EN14825.

**ESTIA SPLIT R32 – WALL MOUNTED Physical data outdoor**

Outdoor unit	HWT- HWT-	401HW-E 630 x 800 x 300	601HW-E 630 x 800 x 300	801HW-E 1050 x 1010 x 370	1101HW-E 1050 x 1010 x 370	801HRW-E 1050 x 1010 x 370	1101HRW-E 1050 x 1010 x 370
Dimensions (HxWxD)	mm	630 x 800 x 300		1050 x 1010 x 370		1050 x 1010 x 370	
Weight	kg	42		75		75	
Sound power level (Silent Mode) H/C	dB(A)	54/55	58/57	58/59	62/60	58/59	62/60
Sound pressure level (Rated) H/C at 1m (1)	dB(A)	45/46	46/45	51/50	51/49	51/50	51/49
Sound pressure level (Silent Mode) H/C at 1m (1)	dB(A)	40/41	42/41	46/47	49/47	46/47	49/47
<b>Sound pressure level (Rated) H/C at 5m (2)</b>	<b>dB(A)</b>	<b>37/38</b>	<b>40/39</b>	<b>41/40</b>	<b>42/40</b>	<b>41/40</b>	<b>42/40</b>
<b>Sound pressure level (Silent Mode) H/C at 5m (2)</b>	<b>dB(A)</b>	<b>32/33</b>	<b>36/35</b>	<b>36/37</b>	<b>40/38</b>	<b>36/37</b>	<b>40/38</b>
Compressor type		DC Twin rotary		DC Twin rotary w/injection			
Refrigerant / Charge amount (kg)		R32 / 0.9		R32 / 1.25			
Flare connections (gas-liquid)		4/8" - 2/8"		5/8" - 2/8"			
Minimum pipe length	m	5		5			
Maximum pipe length (with Ref. charge)	m	30		30			
Maximum height difference	m	30		30			
Chargeless pipe length	m	20		8			
Operating range in space heating*	°C	-20 ~ 25		-25 ~ 25			
Operating range Domestic hot water	°C	-20 ~ 43		-25 ~ 43			
Operating range in cooling	°C			10 - 43			
Bottom tape heater power	W			75			
Power supply	V-ph-Hz			220/240-1-50			

\* Depending on the conditions only back-up heater operates. \*\* Heater Operation in more than 35°C. (1) Noise pressure levels EN 12102 at 1m, open field directivity 2. (2) Noise pressure levels EN 12102 at 5m, open field directivity 2.

**ESTIA SPLIT R32 – WALL MOUNTED Physical data Hydro unit**

Hydro unit	HWT- HWT-	601XWHM3W-E 401 & 601	601XWHT6W-E 401 & 601	1101XWHM3W-E 801 & 1101	1101XWHT6W-E 801 & 1101	1101XWHT9W-E 801 & 1101
Leaving water temperature (without electrical heater)	°C	20 ~ 55°C		20 ~ 65°C		
Maximum leaving water temperature (with electrical heater)	°C	55		65		
Leaving water temperature (cooling)	°C	C		7 ~ 25°C		
Dimensions (HxWxD)	mm			725 x 450 x 235		
Weight	Kg			27		
Sound power level	dB(A)			40		
<b>Sound pressure level at 1m</b>	<b>dB(A)</b>			<b>28</b>		
Electric back up heater capacity	kW	3.0		6.0		9.0
Electric back up heater supply	V-ph-Hz	220-240-1-50		380-415-3N-50		380-415-3N-50
Maximum current	A	13		13 x 2		13 x 3

**ESTIA SPLIT R32 – WALL MOUNTED Physical data Sanitary Hot Water tank**

Domestic hot water tank	HWS- HWT-	1501CSHM3-E 401 & 601	2101CSHM3-E 401 & 601	3001CSHM3-E 401 & 601
<b>Water volume</b>	<b>litres</b>	<b>150</b>	<b>210</b>	<b>300</b>
<b>Load Profile</b>		<b>L</b>	<b>L</b>	<b>XL</b>
<b>DHW Energy Efficiency Class</b>		<b>A+</b>	<b>A+</b>	<b>A</b>
DHW ETA <sub>WH</sub> (η <sub>WH</sub> ) - Average Climate	%	120	115	118
<b>COP at Air7°C (EN16147)</b>		<b>2,87</b>	<b>2,72</b>	<b>2,83</b>
Material		Stainless steel		
Maximum water pressure	bar	6		
Max water temperature	°C	75		
Electric heater	kW	2.7		
Power supply	V-ph-Hz	220/240-1-50		
Height	mm	1 090	1 474	2 040
Diameter	mm	550		
Weight	Kg	31	41	60