



Compact domestic hot water preparation

ESTIA DHW

Monobloc

→ Highlights

- Quiet & compact unit with integrated water tank for indoor installation
- Efficient domestic hot water preparation up to +62°C
- 250 l version with additional heat exchanger for thermal solar energy available
- Flexible connection options for supply and exhaust air

Air to water heat pumps in monobloc design for the preparation of domestic hot water up to +62°C. Compact unit for indoor installation in two versions with integrated 180 or 250 liter water tank. Flexible connection options for supply and exhaust air, Smart Grid Ready for the integration of photovoltaics. A 250 liter version with an additional heat exchanger for connection to thermal solar energy is available.

→ Concept & Efficiency

- Integrated heat pump and hot water tank
- Air as an energy source
- Efficient domestic hot water preparation up to +62°C
- Energy efficiency: Class A+
- COP efficiency up to 3.57
- eta efficiency up to 150%
- Low-GWP refrigerant R1234ze
- Small space requirement and easy installation
- Flexible connection options for supply and exhaust air

→ Different variants

- Heat pump with integrated 180 liter tank
- Heat pump with integrated 250 liter tank
- Heat pump with integrated 250 liter tank and additional heat exchanger

→ Operation & technical details

- Integrated, intuitive control unit
- Operating modes AUTO, ECO, SMART, BOOST, OUT, PROGRAM, NIGHT
- Room cooling possible
- Room dehumidification possible
- Electric backup heater with 1.5 kW
- Processing of the surplus signal from a PV system
- Corrosion protection via magnesium anode
- External static pressure up to 100 Pascal
- Active (hot gas) or passive (air) defrosting
- Durable enamelled tank



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Technical data			HWS-G1801CNHVM-E
Energy efficiency class			A+
Energy efficiency COP @ A+7/W+10 to +52.9 (EN16147)	W/W	☀	2,92
Air temperature operating range (min.-max.)	°C		-5 / +35
Heating-up time @ A+7/W+10 to +53.5 (EN16147)	hh:mm	☀	06:30
Tank volume	l		178
Water temperature, with backup heater (max.)	°C	☀	65,0
Water temperature, heat pump mode only (max.)	°C	☀	52,9
Corrosion protection			Magnesium anode
Sound power level, with air connections (ISO12102)	dB(A)		53
Sound pressure level, with air connections @ 2 m	dB(A)		35
Sound power level, without air connections (ISO12102)	dB(A)		64
Sound pressure level, without air connections @ 2 m	dB(A)		46
Airflow (min./nom./max.)	m ³ /h		250/-/320
External static pressure (max.)	Pa		100
Air connections diameter	mm		160
Room volume, without air connections (min.)	m ³		20
Power consumption (max.)	W	☀	2,25
Backup heater, capacity	kW		1,50
Water connection (inlet/outlet)	Inch		3/4" - 3/4"
Condensate pipe diameter	mm		20
Power supply	V/Ph+N/Hz		220-240/1+N/50
Recommended fusing	A		10
Required height for installation (min.)	mm		1850
Refrigerant			R1234-ze
Refrigerant charge	kg		1,15
CO2 equivalent	t		0,008
Dimensions (HxØ)	mm		1559 x 584
Weight (dry/wet)	kg		95/273

❄ Cooling ☀ Heating

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



