

Compact heating of process water

ESTIA DHW Monobloc



Highlights

- Compact device for indoor installation
- Heating of process water to +65°C
- With integrated 190 or 260 liter water tank
- Low installation costs: just air and water connections required



Air/water heat pumps in monobloc design for heating process water to +65°C. Compact unit for indoor installation in two basic versions with integrated 190 or 260 liter water tank. Flexible connection options for supply air and used air, connection to Modbus possible as standard. Variants available for integration of photovoltaic or thermal solar system via additional heat exchanger.



Attractive and economical

- Integrated heat pump and hot water tank
- High energy efficiency: Class A+
- COP efficiency up to 4.20
- Air cooling function



Easy operation

- Integrated control unit
- Connection to Modbus possible
- Operating modes AUTO, ECO, BOOST, SILENT, HOLIDAY



Resource-friendly

- Air as source of energy
- Environmentally-friendly refrigerant R134A
- Small footprint – diameter only 62 cm



Technical details

- Controlled domestic ventilation possible
- Room cooling possible
- Room dehumidification possible
- Processing of surplus signal of a PV system
- Operating temperature range from -7°C to +40°C



Different variants

- STANDARD with 190 or 260 liter tank
- ALTERNATIVE 180° position for water inlet
- DELUXE PCB integrated photovoltaics (Smart Grid ready)
- ADDITIONAL HEAT EXCHANGER integrated thermal solar system



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Technical data			HWS-G1901CNRR-E
Energy efficiency class			A+
Energy efficiency COP @ A+7/W+10 to +52.9 (EN16147)	W/W	☀	3,57
Air temperature operating range (min.-max.)	°C		-7/+40
Heating-up time @ A+7/W+10 to +53.5 (EN16147)	hh:mm	☀	06:27
Tank volume	l		190
Water temperature, with backup heater (max.)	°C	☀	65
Water temperature, heat pump mode only (max.)	°C	☀	60
Corrosion protection			Magnesium Anode
Sound power level, with air connections (ISO12102)	dB(A)		49,0
Sound pressure level, with air connections @ 2 m	dB(A)		32,0
Sound power level, without air connections (ISO12102)	dB(A)		55,6
Sound pressure level, without air connections @ 2 m	dB(A)		38,6
Airflow (min./nom./max.)	m ³ /h		0/450/800
External static pressure (max.)	Pa		200
Air connections diameter	mm		160
Room volume, without air connections (min.)	m ³		60
Power consumption (max.)	W	☀	2185
Backup heater, capacity	W		1500
Water connection (inlet/outlet)	Inch		3/4 - 3/4
Condensate pipe diameter	mm		19
Power supply	V/Ph+N/Hz		230/1/50
Recommended fusing	A		13
Required height for installation (min.)	mm		1868
Refrigerant			R134A
Refrigerant charge	kg		1,20
CO2 equivalent	t		1,72
Dimensions (HxØ)	mm		1600 x 620
Weight (dry/wet)	kg		94 / 284

❄ Cooling ☀ Heating

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



