TOSHIBA

Compact heating of process water

ESTIA DHW Monobloc

Symbol photo

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

Resource-friendly

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

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

Easy operation

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

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

Better Air Solutions

TOSHIBA

ESTIA DHW Monobloc

Technical data			HWS-G2601CNMR-E
Recommended power supply line type			H07RN-F 3G2,5
Corrosion protection			Magnesium Anode
Power supply	V/Ph+N/Hz		230/1/50
Recommended fusing	A		13
Product variant			Standard
Tank volume	l		260
Energy efficiency class			A+
Energy efficiency COP @ A+7/W+10 to +52.9 (EN16147)	W/W	☀	3,69
Heating-up time @ A+7/W+10 to +53.5 (EN16147)	hh:mm	☀	09:12
Energy efficiency COP @ A+20 (EN16147)	W/W	☀	4,20
Heating-up time @ A+20 (EN16147)	hh:mm	☀	07:09
Water temperature, heat pump mode only (max.)	°C	☀	60
Water temperature, with backup heater (max.)	°C	☀	65
Power supply	V/Ph+N/Hz		230/1/50
Power consumption (max.)	W	☀	2185
Backup heater, capacity	W		1500
Power consumption, standby	W		20
Recommended fusing	A		13
Network connection			Modbus
Refrigerant			R134A
Refrigerant charge	kg		1,28
GWP			1430
CO2 equivalent	t		1,83
Airflow (min./nom./max.)	m3/h		0/450/800
External static pressure (max.)	Pa		200
Air connections diameter	mm		160
Room volume, without air connections (min.)	m3		60
Water flow rate (min.)	m^3/h		1,32
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
Dimensions (HxØ)	mm		1960 x 620
Required height for installation (min.)	mm		2223
Weight (dry/wet)	kg		100 / 350
Water connection (inlet/outlet)	Inch		3/4 - 3/4
Condensate pipe diameter	mm		19
Air temperature operating range (min.-max.)	°C		-7/+40

❄ Cooling ☀ Heating

The measuring conditions for this product can be found at http://www.toshiba-klima.at/en/measuring-conditions.html