

HEAT PUMPS FOR DOMESTIC HOT WATER



Air-to-water heat pumps

FOR DOMESTIC HOT WATER

The NØRDIS TOR series 100L, 200 L and 300 L heat pump water heaters are designed for highly efficient domestic hot water production. They use environmentally friendly R290 refrigerant with a very low GWP of 3. The storage tank is made from Duplex 2205 stainless steel, ensuring exceptional corrosion resistance and long service life.

NØRDIS Tor Series Air-to-Water Heat Pumps for Domestic Hot Water

The unit features built-in Wi-Fi control, allowing full management through a smart app. A modern LCD touch display offers intuitive operation and real-time system information. The TOR series is compatible with solar thermal systems and photovoltaic energy, maximizing the use of free renewable energy. Additional safety and comfort functions—such as anti-legionella, antifreeze protection, and self-diagnostics—ensure reliable and safe performance.

NØRDIS Tor

HEAT PUMPS FOR DOMESTIC HOT WATER



NØRDIS Tor features a durable DUPLEX 2205 stainless steel tank, ensuring high corrosion resistance and long service life. The unit uses eco-friendly R290 refrigerant with an extremely low global warming potential. Built-in Wi-Fi and an intuitive touchscreen allow easy control via a mobile app. Smart functions such as timer settings, holiday mode, and hot water maintenance optimize energy efficiency. Additionally, the system is ready for integration with smart grids and building management systems (BMS).

R290 WiFi

DUPLEX 2205 stainless steel
duplex stainless steel 2205 is an excellent choice for domestic hot water storage thanks to its high resistance to corrosion, particularly stress corrosion cracking, and its robustness.

Eco-friendly R290 refrigerant
it has zero ozone depletion potential and an extremely low global warming potential (GWP 3).

SG-Ready
the control technology can respond to external control signals from the network.

Vacation mode
it operates in heating mode and/or DHW mode, maintaining a minimum water temperature.

ModBus
seamless integration with Building Management Systems (BMS) for smart buildings.

For smart control
built-in Wi-Fi for app management.

Easy to use touchscreen
easy-to-use screen supports advanced features.

Timer setting
it operates automatically based on usage habits.

Control of electric heaters
smart and economical electric heater control.

Hot water maintenance
timer and priority hot water control with a disinfection function.

Unit Model		TOR/100	TOR/200S	TOR/300S
Nominal Heating Capacity[1]	kW	1,1	1,6	
Tank Capacity	l	100	200	300
Load profile[2]		M	L	XL
DHW tank material		Duplex 2205		
Ambient temperature DB7°C / WB6°C				
Heating Capacity[3]	kW	0,79	1,25	1,27
Heating Time[3]	h	4,5	6,4	9,9
COP	W/W	2,68	3,35	3,39
Water Heating Energy Efficiency	%	112,9	138,9	138,4
Energy Class		A+		
Standby Power Input	W	20	23	27
Ambient temperature DB20°C / WB15°C				
Heating Capacity[3]	kW	1,08	1,56	1,58
Heating Time[3]	H	3,4	5	8
COP	W/W	3,31	4,03	4,09
Water Heating Energy Efficiency	%	139,6	167,6	168,5
Energy Class		A++		
Standby Power Input	W	16,5	19	24
Max Water Temperature (without using backup heater)	°C	65		
Max Water Temperature	°C	75		
Temperature Setting Range	°C	30-75	10-75	
Working Ambient Temperature	°C	-7 - +43°C		
Rated Water Yield[1]	l / h	23,6	34,4	
Power Supply	V/Ph/Hz	220-240/1/50		
Rated Power	W	2100	2300	
Rated Current	A	2,18 + 6,8	3,05 + 6,8 (electric)	
Electric Heater Power	kW	1,6	1,5	
Sound Power Level[4]	dB(A)	50	52,5	53
Sound Pressure at 1m	dB(A)	38	36	36
Protection level		IPX1		
Unit Dimensions	mm	Ø510x1185	Ø560x1750	Ø640x1850
Packaging Dimensions	mm	570x570x1292	629x629x1892	695x695x1989
Net Weight	kg	48	72	87
Gross Weight	kg	63	86	105

[1] Capacities and power inputs based on the following conditions:
- Heating: ambient temperature 20°C/15°C, water temperature 15°C/55°C
[2] COP and Energy Time based on ERP (EN16147) for stage C with tapping cycle L / XL
[3] Capacities and Heating Time based on ERP (EN16147) for Stage A, water temperature heating from 10°C to 53°C
[4] Tested according to EN12102 with water 50°C