WATER HEATER
WITH HEAT PUMP

Aqua HP 250

ECONOMIC

COMFORT

ECOLOGICAL

WATER HEATER ENAMEL CONTAINER

A+

Energy label for Aqua HP 250

DRAŽICE
MEMBER OF THE NIBE GROUP

ADVANTAGES

- Quiet operation
- High performance
- Energy saving
- Water heater enamel container
- Works from -5 °C of ambient temperature
- Temperature 55 °C water also during winter
- Respect for the environment

SIMPLE INSTALLATION

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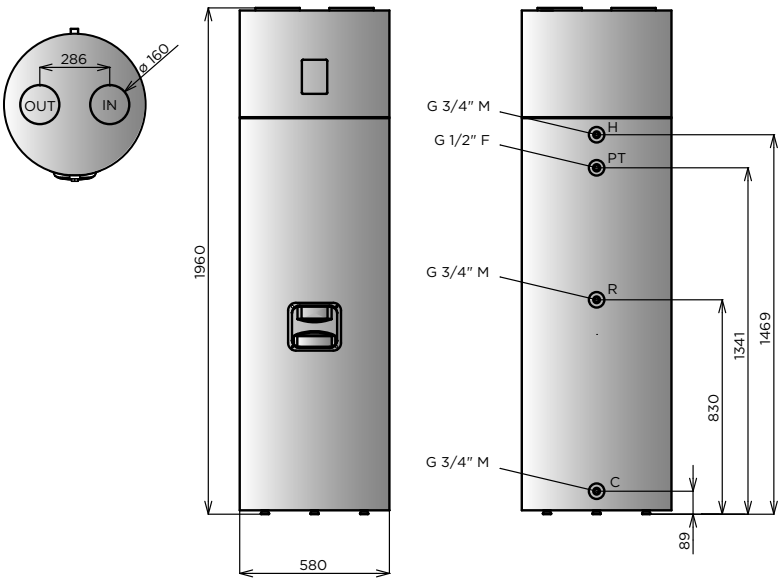
ANTI-LEGIONEL FUNCTION

TECHNICAL DRAWING:



TECHNICAL PARAMETERS:

Capacity	l	250
Weight without water	kg	83
Upper piece		Stainless steel
Bottom part		Varnished sheet metals
Insulation		Polyurethane 50 mm
Protection		Magnesium anode (1“)
Maximum service temperature	°C	80
Max. operating pressure	MPa (bar)	7
Test pressure	MPa (bar)	10
Heat losses	kWh/annum	0,99
IP Protection		IPX1
Electric connection		1/N/PE ~ 230V/50Hz
Input PP (medium / maximum)	W	400/700
Thermal output PP	W	1800
El. element input	W	1500
Fan input	W	65
Max start current	A	3,2+6,8 (back-up electrical heater)
Value of the circuit breaker		16 A (sensitivity 30 mA)
Max. water temperature from PP	°C	55
Max. water temperature from heating unit	°C	65
Coolant	–/kg	R 134a / 1,2
Jigger profile		L
Heat factor COP		3,24
Heating time	HH:mm	6:48
Energy efficiency class		A+
Annual consumption	kWh/year	741
Safe operating range of temperature	°C	-5/40
Noise level	dB(A)	51
Air volume flow	m^3/h	450
Maximum piping length	m^3/h	10

FUNCTION PRINCIPLE:

The cooling liquid is pumped into the heat exchanger (evaporator). The liquid absorbs energy from the ambient area by means of fan. During the process the liquid state changes to gaseous. In gas state it is sucked by the mechanical part of the system, compressor. Here it is compressed and the pressure growth increases the temperature. Then the cooling liquid moves to the second internal heat exchanger (condenser) and transfers heat to water in the tank. By cooling the liquid changes to liquid state. Liquid pressure drops due to choking which occurs in the expansion valve, and the process starts again.

ENERGY SAVING UP TO 75 %

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