

NEXPRO ACS / S ACS

DHW floor-standing heat pumps



A Carrier Company

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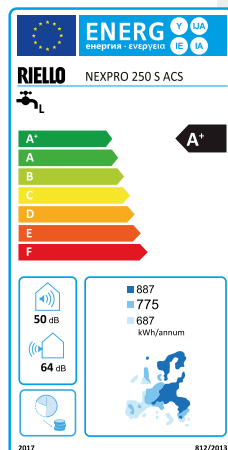
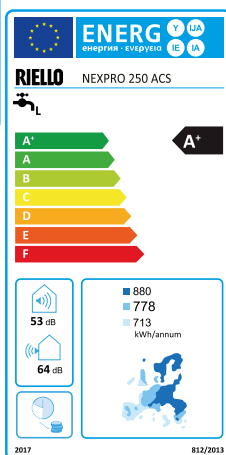
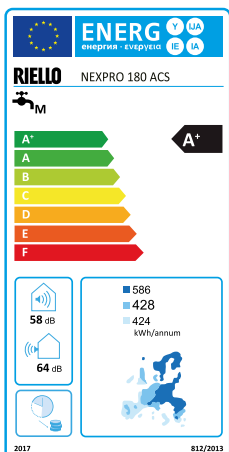
NEXPRO ACS / S ACS

NEXPRO IS THE NEW EFFICIENT AND RELIABLE SOLUTION BY RIELLO FOR THE PRODUCTION OF DOMESTIC HOT WATER, BOTH FOR NEW BUILDINGS AND EFFICIENCY UPGRADE OF EXISTING ONES.

THE RANGE

The new range of DHW floor-standing heat pumps consists of three models:

- **NEXPRO 180 ACS**, with built-in 178 litre cylinder
- **NEXPRO 250 ACS**, with built-in 254 litre cylinder
- **NEXPRO 250 S ACS**, with built-in 251 litre cylinder and coil, for connection with solar thermal or boiler

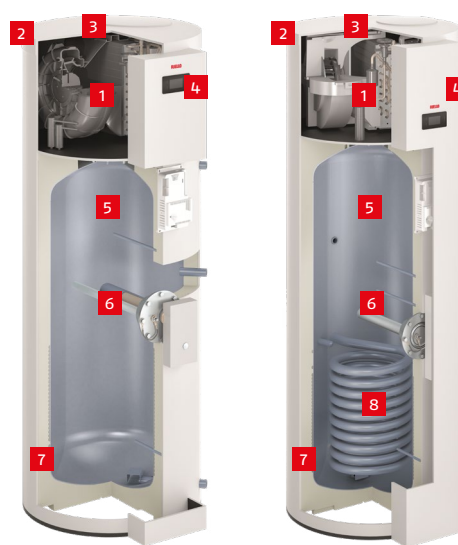


KEY FEATURES

- **High efficiency** in DHW production.
- **Refrigeration circuit, DHW cylinder and control** integrated.
- **DHW heating up to 62°C** through heat pump only.
- **Recirculated or ducted air operation.**
- **Intuitive and simple control panel.**
- **Front hydraulic connections and reduced dimensions, suitable also for installation inside a standard cabinet** (180 litre version).
- **Use of the refrigerant R1234-ze**, with very low environmental impact (GWP 7).
- Possibility of **Smart Operation for automatic heating** according to use profile.
- **Optimisation of the consumption of energy produced by a photovoltaic installation** (when existing), thanks to an accessory kit.

TECHNOLOGY

- 1** High efficiency refrigeration circuit
- 2** Acoustically optimized fan
- 3** Evaporator with wide exchange surface
- 4** Control panel
- 5** DHW cylinder in enamelled steel
- 6** Additional electrical resistance (available as an accessory for the version S ACS) and magnesium anode as standard
- 7** Coiled condenser with high exchange surface
- 8** Coil for connection to solar thermal or boiler



NEXPRO 250 ACS

NEXPRO 250 S ACS



DIFFERENT TYPES OF OPERATION AND ADVANTAGES

The NEXPRO ACS / S ACS heat pump can operate with both ducted and recirculated air.

In recirculated air operation, NEXPRO takes heat from the air in the room to heat the water up to a temperature of 62°C.

By reintroducing cooler and dehumidified air into the room, the DHW heat pump can help cool the room in which it is installed in summer.

In ducted air operation, NEXPRO instead takes heat from the outdoor air, conveying it through pipes.

With this type of operation, the heat pump can work down to -5°C outdoor air temperature. It can therefore be conveniently installed under the roof, or in a garage, laundry room, plant room etc.

RIELLO

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NEXPRO
ACS / S ACS



DESCRIPTION	u.o.m.	NEXPRO 180 ACS	NEXPRO 250 ACS / S ACS
NOMINAL HEAT OUTPUT			
A20/W10-53	kW	1,42	1,73
POWER INPUT	kW	0,425	0,425
COP ACCORDING EN 16147			
A20/W10-53 picking profile L		3,39	3,70
A20/W10-53 picking profile M		3,21	-
REFRIGERATOR CIRCUIT			
Refrigerant fluid	type	R1234-ze	R1234-ze
Quantity	kg	1,15	1,35/1,25
Global Warming Potential (GWP)		7	7
CO ₂ equivalent	kg	8	9
RESISTANCE POWER INPUT	kW	1,5	1,5(accessory)
CYLINDER VOLUME	l	178	254/251
WEIGHT	kg	95	110/125
DIMENSIONS			
Depth	mm	661	734
Width	mm	584	631
Height	mm	1555	1755
ENERGY CLASS	F → A+ (*)	A+	A+

(*) The energy efficiency class range of this product category is between F and A+



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