

NEW



DHW FLOOR STANDING HEAT PUMP



HP - N ACS/ACS S

HP-N ACS/ACS S

HP-N IS BERETTA'S NEW RANGE OF DHW FLOOR-STANDING HEAT PUMPS FOR THE EFFICIENT PRODUCTION OF LARGE VOLUMES OF DOMESTIC WATER.

Suitable for both new buildings and energy upgrading of existing installations, the range consists of three models:

- HP-N 180 ACS, with built-in 178-litre cylinder
- HP-N 250 ACS, with built-in 254-litre cylinder
- HP-N 250 ACS S, with built-in 251-litre cylinder and coil, for connection to solar thermal collectors or boiler



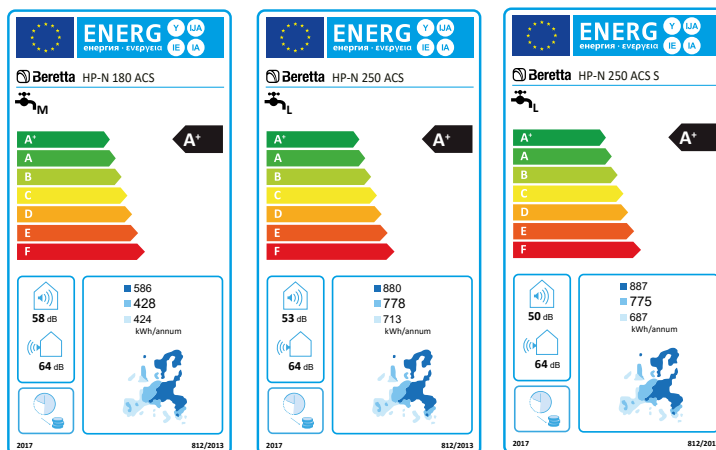
TWO TYPES OF OPERATION FOR A TAILORED INSTALLATION

The HP-N ACS/ACS S DHW heat pump can operate with both ducted and recirculated air.

In ducted air operation, HP-N takes heat from the outdoor air, conveying it through pipes, to heat the domestic water. With this type of operation, the heat pump can work down to -5°C outdoor air temperature. It can therefore also be conveniently installed under the roof, or in a plant room, in a laundry room or garage. **In recirculated air operation**, HP-N instead takes heat from the air in the room to heat the water up to a temperature of 62°C.

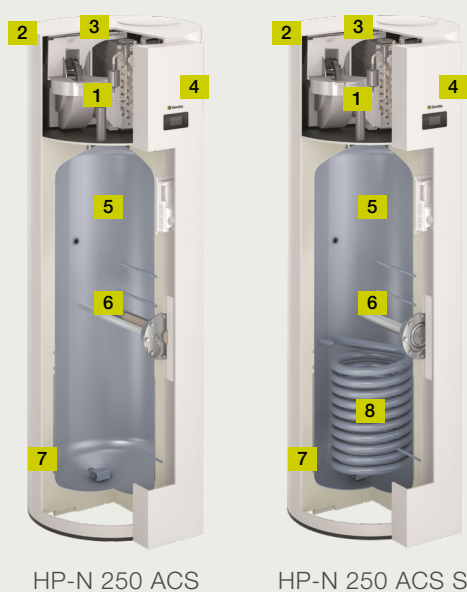
By reintroducing cooler, dehumidified air into the room, the DHW heat pump can help cool the room in which it is installed in summer.

WHY CHOOSE HP-N



- **HIGH EFFICIENCY** IN DOMESTIC HOT WATER PRODUCTION;
- **REFRIGERATION CIRCUIT, DHW CYLINDER AND CONTROL** INTEGRATED;
- **DOMESTIC WATER HEATING UP TO 62°C** THROUGH HEAT PUMP ALONE;
- **RECIRCULATED OR DUCTED AIR OPERATION**;
- **SIMPLE AND INTUITIVE CONTROL PANEL**;
- **FRONT HYDRAULIC CONNECTIONS AND COMPACT DIMENSIONS, ALSO SUITABLE FOR INSTALLATION IN 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 PROFILES;
- **OPTIMIZATION OF THE CONSUMPTION OF ENERGY PRODUCED BY A PHOTOVOLTAIC INSTALLATION** (WHEN EXISTING), THANKS TO AN ACCESSORY KIT.

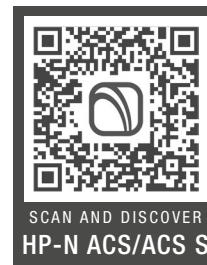
NOTE: The range of energy efficiency class of this products category is between F and A+.



- 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 ACS S version) and magnesium anode as standard
- 7 Coiled condenser with high exchange surface
- 8 Coil for connection to solar thermal or boiler

HP-N 250 ACS

HP-N 250 ACS S



MODEL	u.o.m.	HP-N 180 ACS	HP-N 250 ACS / ACS S
NOMINAL HEAT OUTPUT			
A20/W10-53	kW	1,42	1,73
Power INPUT	kW	0,425	0,425
COP ACCORDING TO 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			
Water heating energy efficiency class	F → A+*	A+	A+

* The range of energy efficiency class of this products category is between F and A+.