

# AWR DHW2 XE 0021m - 0101ts

Reversible heat pump, total heat recovery, air source for outdoor installation  
5,80-22,8 kW



PRANA DHW is the new HIGH EFFICIENCY heat pump for all year round operation in any operating mode: single cycle (air conditioning, heating, domestic hot water) as well as combined cycle in total heat recovery (domestic hot water together with cooling). Energy efficiency is highest during the summer cycle, when, thanks to the full recovery of the heat, the production of hot water is free. During the combined use, the DHW exchanger uses the temperature of the discharge gases to get inside the accumulation sanitary water as high as 65° C.

The advanced electronic regulation developed by Climaveneta ensures the highest operational flexibility, fast working condition a significant increase in the overall COP, which go hand in hand with electricity and space reduction.

Advantages, combined with the possibility of completely eliminating the traditional boiler, making heat pumps PRANA DHW the ideal solution for energy saving applications in residential, hotel and small sector.

## Controls

### NADISYSTEM

Electronic control Nadisystem provides great application flexibility. The remote keyboard kit wired indoor and outdoor temperature sensors allow dynamic control of delivery temperature water, optimizing comfort in the room and increasing the energy efficiency.

The electronic board allows you to manage:

- Wired remote control, backlit display complete with remote temperature and humidity probe
- outdoor temperature sensor for water plant side modular set point compensation
- a zone of direct heating for radiator, floor heating or fan coil
- a zone with mix valve for floor heating
- Electrical heating element for possible integration and anti-legionella cycle for cylinder
- boiler or electric heater in substitution or in addition
- the room controller can customise up to six time bands. The presence of the programmable timer allows the creation of an operating profile containing up to 6 time bands
- up to 4 heat pump in cascade (with N-CM component)
- several solutions through appropriate configurations of the controller and use of dedicated extension modules (accessorie), up to 5 zone

The defrost adopts a proprietary self-adaptive logic, which features the monitoring of numerous operational parameters. This allows to reduce the number and duration of the defrost cycles, with a benefit for the overall energy efficiency.

## Version

-	Basic
SL	Super-low noise version

## Features

Structure and base in hot-dip galvanised steel with epoxy powder paint finish.

High efficiency and low pressure drop stainless steel AISI 316 plate exchangers (at the domestic hot water side). It is positioned next after the compressor and it ensures the domestic hot water production. The unit has full or partial recovery system, with the constant optimization of efficiency through logic advanced adjusting controller

High efficiency and low pressure drop stainless steel AISI 316 plate exchangers meet the supply of both hot and cold water for the facility, regardless of the domestic hot water

Hermetic scroll type compressors, equipped with the crankcase heater and thermal protection

Finned coils made with copper pipes and aluminium fins with large exchange surface area (100% fully quality tested)

Axial electric fans, external rotor, 6-pole electric motor fitted with thermal protection, housed in aerodynamic conveyor profile with safety grill

Low external air temperature device:

continuous fan speed regulation with pressure switch

Coil protection grille

Soft starter for 230V units /ms and 400V units /ts

The water circuit comes complete with:

Variable flow circulator plant side, the curves are selected by control. Class A energy efficiency

Variable flow circulator domestic hot water side. Class A energy efficiency.

Pressure switch system side

Expansion tank

Safety valve

Manual filling assembly

Pressure gauge

Air vent valve (plant side).

## Accessory

- Wired room terminal with backlit display, and with temperature and umidity probe
- Extension module for system configuration
- Electric heater of integration for the heating system
- Electric heater for hot water cylinder, of integration and for anti-legionellosis
- Serial card RS485 for ModBus
- Cascade management kit
- Buffer tank 35,100,200 liters
- Hot water cylinder 300,500 liters
- 300 liters thermal store for domestic hot water, for DOMH2O kit
- 300,500,1000 liters thermal store for domestic hot water with solar heat exchanger, for DOMH2O kit
- DOMH2O15 e DOMH2O24 kit for domestic hot water with external plate heat exchanger and pump



**APPLICATION HYDRONIC TERMINAL**

<b>AWR DHW2 XE / B</b>			<b>0021m</b>	<b>0025m</b>	<b>0041m</b>	<b>0025t</b>	<b>0041t</b>
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50
<b>COOLING ONLY (GROSS VALUE)</b>							
Cooling capacity	(1)	kW	5,80	6,90	10,0	6,90	9,90
Total power input	(1)	kW	2,20	2,60	3,60	2,50	3,50
EER	(1)	kW/kW	2,64	2,65	2,78	2,76	2,83
ESEER	(1)	kW/kW					
<b>COOLING ONLY (EN14511 VALUE)</b>							
Cooling capacity	(1)(2)	kW	5,81	6,93	10,0	6,93	9,94
EER	(1)(2)	kW/kW	2,67	2,68	2,83	2,79	2,88
ESEER	(1)(2)	kW/kW	3,09	3,15	3,31	3,28	3,38
<b>HEATING ONLY (GROSS VALUE)</b>							
Total heating capacity	(3)	kW	7,30	8,70	12,5	8,60	12,3
Total power input	(3)	kW	2,30	2,70	3,80	2,60	3,70
COP	(3)	kW/kW	3,17	3,22	3,29	3,31	3,32
<b>HEATING ONLY (EN14511 VALUE)</b>							
Total heating capacity	(2)(3)	kW	7,29	8,67	12,5	8,57	12,3
COP	(2)(3)	kW/kW	3,21	3,25	3,33	3,34	3,37
<b>COOLING WITH TOTAL HEAT RECOVERY</b>							
Cooling capacity	(4)	kW	4,95	6,02	8,91	6,00	8,83
Total power input	(4)	kW	2,12	2,47	3,54	2,47	3,37
Recovery heat exchanger capacity	(4)	kW	6,95	8,34	12,2	8,32	12,0
<b>TOTAL RECOVERY ONLY</b>							
Total heating capacity	(3)	kW	7,30	8,70	12,5	8,60	12,3
Total power input	(3)	kW	2,30	2,70	3,80	2,60	3,70
<b>ENERGY EFFICIENCY</b>							
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>							
<b>Ambient refrigeration</b>							
Prated,c	(11)	kW	-	-	-	-	-
SEER	(11)(12)		-	-	-	-	-
Performance ηs	(11)(13)	%	-	-	-	-	-
<b>SEASONAL EFFICIENCY IN HEATING (Reg. EU 813/2013)</b>							
PDesign	(5)	kW	5,83	6,01	9,49	5,75	9,33
SCOP	(5)(14)		3,23	3,20	3,41	3,25	3,43
Performance ηs	(5)(15)	%	126	125	134	127	134
Seasonal efficiency class	(5)		A+	A+	A+	A+	A+
<b>EXCHANGERS</b>							
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>							
Water flow	(1)	l/s	0,28	0,33	0,48	0,33	0,47
Available unit's head	(1)	kPa	60,4	105	95,2	105	95,7
<b>HEAT EXCHANGER USER SIDE IN HEATING</b>							
Water flow	(3)	l/s	0,35	0,42	0,60	0,42	0,59
Available unit's head	(3)	kPa	55,1	96,8	82,1	97,2	83,2
<b>HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION</b>							
Water flow	(4)	l/s	0,34	0,40	0,59	0,40	0,58
Pressure drop	(4)	kPa	8,27	8,54	11,3	8,50	10,9
<b>HEAT EXCHANGER RECOVERY USER SIDE IN HEATING</b>							
Water flow	(4)	l/s	0,35	0,41	0,59	0,41	0,59
Pressure drop	(4)	kPa	8,79	9,04	11,5	8,86	11,3
<b>REFRIGERANT CIRCUIT</b>							
Compressors nr.		N°	1	1	1	1	1
No. Circuits		N°	1	1	1	1	1
Refrigerant charge		kg	5,76	6,36	13,0	6,36	13,0
<b>NOISE LEVEL</b>							
Sound power level in cooling	(6)(7)	dB(A)	69	70	71	70	71
Sound power level in heating	(6)(8)	dB(A)	65	70	70	65	70
Sound Pressure	(9)	dB(A)	54	55	55	55	55
<b>SIZE AND WEIGHT</b>							
A	(10)	mm	1250	1250	1700	1250	1700
B	(10)	mm	420	420	650	420	650
H	(10)	mm	1125	1125	1200	1125	1200
Operating weight	(10)	kg	165	165	295	165	295

Notes:

- 1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
  - 2 Values in compliance with EN14511-3:2013.
  - 3 Plant (side) heat exchanger water (in/out) 40°C/45°C; Source (side) heat exchanger air (in) 7°C - 87% R.H.
  - 4 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Plant (auxiliary side) heat exchanger recovery water (in/out) 45°C/50°C.
  - 5 Seasonal space heating energy efficiency class LOW TEMPERATURE in AVERAGE climate conditions [REGULATION (EU) N. 813/2013]
  - 6 Sound power on the basis of measurements made in compliance with ISO 9614.
  - 7 Sound power level in cooling, outdoors.
  - 8 Sound power level in heating, outdoors.
  - 9 Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
  - 10 Unit in standard configuration/execution, without optional accessories.
  - 11 Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]
  - 12 Seasonal space heating energy index
  - 13 Seasonal energy efficiency of the space cooling
  - 14 Seasonal performance coefficient
  - 15 Seasonal space heating energy efficiency
- The units highlighted in this publication contain HFC R407C [GWP<sub>100</sub> 1774] fluorinated greenhouse gases.

**APPLICATION FLOOR HEATING**

<b>AWR DHW2 XE / B</b>			<b>0021m</b>	<b>0025m</b>	<b>0041m</b>	<b>0025t</b>	<b>0041t</b>
Power supply		V/ph/Hz	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50
<b>COOLING ONLY (GROSS VALUE)</b>							
Cooling capacity	(1)	kW	8,21	9,76	13,9	9,78	13,9
Total power input	(1)	kW	2,18	2,60	3,68	2,50	3,62
EER	(1)	kW/kW	3,77	3,75	3,78	3,91	3,84
ESEER	(1)	kW/kW					
<b>COOLING ONLY (EN14511 VALUE)</b>							
Cooling capacity	(1)(2)	kW	8,22	9,79	13,9	9,81	13,9
EER	(1)(2)	kW/kW	3,83	3,83	3,85	3,99	3,91
ESEER	(1)(2)	kW/kW	3,09	3,15	3,31	3,28	3,38
<b>HEATING ONLY (GROSS VALUE)</b>							
Total heating capacity	(3)	kW	7,59	9,00	12,9	8,84	12,6
Total power input	(3)	kW	1,87	2,17	3,06	2,08	2,99
COP	(3)	kW/kW	4,06	4,15	4,22	4,25	4,21
<b>HEATING ONLY (EN14511 VALUE)</b>							
Total heating capacity	(2)(3)	kW	7,58	8,96	12,8	8,81	12,6
COP	(2)(3)	kW/kW	4,14	4,19	4,27	4,30	4,29
<b>COOLING WITH TOTAL HEAT RECOVERY</b>							
Cooling capacity	(4)	kW	7,20	8,76	12,7	8,73	12,8
Total power input	(4)	kW	2,01	2,35	3,43	2,35	3,31
Recovery heat exchanger capacity	(4)	kW	9,10	11,0	16,0	10,9	15,9
<b>TOTAL RECOVERY ONLY</b>							
Total heating capacity	(3)	kW	7,59	9,00	12,9	8,84	12,6
Total power input	(3)	kW	1,87	2,17	3,06	2,08	2,99
<b>ENERGY EFFICIENCY</b>							
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>							
<b>Ambient refrigeration</b>							
Prated,c	(11)	kW	-	-	-	-	-
SEER	(11)(12)		-	-	-	-	-
Performance ηs	(11)(13)	%	-	-	-	-	-
<b>SEASONAL EFFICIENCY IN HEATING (Reg. EU 813/2013)</b>							
PDesign	(5)	kW	5,83	6,01	9,49	5,75	9,33
SCOP	(5)(14)		3,23	3,20	3,41	3,25	3,43
Performance ηs	(5)(15)	%	126	125	134	127	134
Seasonal efficiency class	(5)		A+	A+	A+	A+	A+
<b>EXCHANGERS</b>							
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>							
Water flow	(1)	l/s	0,39	0,47	0,67	0,47	0,67
Available unit's head	(1)	kPa	51,7	91,7	74,3	91,6	74,2
<b>HEAT EXCHANGER USER SIDE IN HEATING</b>							
Water flow	(3)	l/s	0,37	0,43	0,62	0,43	0,61
Available unit's head	(3)	kPa	54,1	95,5	80,3	96,2	81,7
<b>HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION</b>							
Water flow	(4)	l/s	0,44	0,53	0,77	0,53	0,77
Pressure drop	(4)	kPa	14,2	14,8	19,3	14,7	19,1
<b>HEAT EXCHANGER RECOVERY USER SIDE IN HEATING</b>							
Water flow	(4)	l/s	0,35	0,41	0,59	0,41	0,59
Pressure drop	(4)	kPa	8,79	9,04	11,5	8,86	11,3
<b>REFRIGERANT CIRCUIT</b>							
Compressors nr.		N°	1	1	1	1	1
No. Circuits		N°	1	1	1	1	1
Refrigerant charge		kg	5,76	6,36	13,0	6,36	13,0
<b>NOISE LEVEL</b>							
Sound power level in cooling	(6)(7)	dB(A)	69	70	71	70	71
Sound power level in heating	(6)(8)	dB(A)	65	70	70	65	70
Sound Pressure	(9)	dB(A)	54	55	55	55	55
<b>SIZE AND WEIGHT</b>							
A	(10)	mm	1250	1250	1700	1250	1700
B	(10)	mm	420	420	650	420	650
H	(10)	mm	1125	1125	1200	1125	1200
Operating weight	(10)	kg	165	165	295	165	295

**Notes:**

- Plant (side) cooling exchanger water (in/out) 23°C/18°C; Source (side) heat exchanger air (in) 35°C.
  - Values in compliance with EN14511-3:2013.
  - Plant (side) heat exchanger water (in/out) 30°C/35°C; Source (side) heat exchanger air (in) 7°C - 87% R.H.
  - Plant (side) cooling exchanger water (in/out) 23°C/18°C; Plant (auxiliary side) heat exchanger recovery water (in/out) 45°C/50°C.
  - Seasonal space heating energy efficiency class LOW TEMPERATURE IN AVERAGE climate conditions [REGULATION (EU) N. 813/2013]
  - Sound power on the basis of measurements made in compliance with ISO 9614.
  - Sound power level in cooling, outdoors.
  - Sound power level in heating, outdoors.
  - Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
  - Unit in standard configuration/execution, without optional accessories.
  - Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]
  - Seasonal space heating energy index
  - Seasonal energy efficiency of the space cooling
  - Seasonal performance coefficient
  - Seasonal space heating energy efficiency
- The units highlighted in this publication contain HFC R407C [GWP<sub>100</sub> 1774] fluorinated greenhouse gases.

**APPLICATION HYDRONIC TERMINAL**

<b>AWR DHW2 XE / SL</b>			<b>0065t</b>	<b>0101t</b>
Power supply		V/ph/Hz	400/3/50	400/3/50
<b>COOLING ONLY (GROSS VALUE)</b>				
Cooling capacity	(1)	kW	15,1	22,8
Total power input	(1)	kW	5,10	7,80
EER	(1)	kW/kW	2,96	2,92
ESEER	(1)	kW/kW		
<b>COOLING ONLY (EN14511 VALUE)</b>				
Cooling capacity	(1)(2)	kW	15,2	22,9
EER	(1)(2)	kW/kW	2,95	2,95
ESEER	(1)(2)	kW/kW	3,30	3,14
<b>HEATING ONLY (GROSS VALUE)</b>				
Total heating capacity	(3)	kW	19,0	28,8
Total power input	(3)	kW	5,90	8,80
COP	(3)	kW/kW	3,22	3,27
<b>HEATING ONLY (EN14511 VALUE)</b>				
Total heating capacity	(2)(3)	kW	18,9	28,7
COP	(2)(3)	kW/kW	3,21	3,29
<b>COOLING WITH TOTAL HEAT RECOVERY</b>				
Cooling capacity	(4)	kW	14,1	21,3
Total power input	(4)	kW	4,61	6,76
Recovery heat exchanger capacity	(4)	kW	18,5	27,7
<b>TOTAL RECOVERY ONLY</b>				
Total heating capacity	(3)	kW	19,0	28,8
Total power input	(3)	kW	5,90	8,80
<b>ENERGY EFFICIENCY</b>				
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>				
<b>Ambient refrigeration</b>				
Prated,c	(11)	kW	-	-
SEER	(11)(12)		-	-
Performance ηs	(11)(13)	%	-	-
<b>SEASONAL EFFICIENCY IN HEATING (Reg. EU 813/2013)</b>				
PDesign	(5)	kW	15,1	20,5
SCOP	(5)(14)		3,43	3,30
Performance ηs	(5)(15)	%	134	129
Seasonal efficiency class	(5)		A+	A+
<b>EXCHANGERS</b>				
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>				
Water flow	(1)	l/s	0,72	1,09
Available unit's head	(1)	kPa	110	107
<b>HEAT EXCHANGER USER SIDE IN HEATING</b>				
Water flow	(3)	l/s	0,92	1,39
Available unit's head	(3)	kPa	105	97,9
<b>HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION</b>				
Water flow	(4)	l/s	0,89	1,33
Pressure drop	(4)	kPa	10,1	9,65
<b>HEAT EXCHANGER RECOVERY USER SIDE IN HEATING</b>				
Water flow	(4)	l/s	0,91	1,38
Pressure drop	(4)	kPa	10,5	10,3
<b>REFRIGERANT CIRCUIT</b>				
Compressors nr.		N°	1	1
No. Circuits		N°	1	1
Refrigerant charge		kg	16,7	18,0
<b>NOISE LEVEL</b>				
Sound power level in cooling	(6)(7)	dB(A)	73	74
Sound power level in heating	(6)(8)	dB(A)	74	75
Sound Pressure	(9)	dB(A)	57	58
<b>SIZE AND WEIGHT</b>				
A	(10)	mm	1700	1700
B	(10)	mm	650	650
H	(10)	mm	1700	1700
Operating weight	(10)	kg	348	390

**Notes:**

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
  - Values in compliance with EN14511-3:2013.
  - Plant (side) heat exchanger water (in/out) 40°C/45°C; Source (side) heat exchanger air (in) 7°C - 87% R.H.
  - Plant (side) cooling exchanger water (in/out) 12°C/7°C; Plant (auxiliary side) heat exchanger recovery water (in/out) 45°C/50°C.
  - Seasonal space heating energy efficiency class LOW TEMPERATURE in AVERAGE climate conditions [REGULATION (EU) N. 813/2013]
  - Sound power on the basis of measurements made in compliance with ISO 9614.
  - Sound power level in cooling, outdoors.
  - Sound power level in heating, outdoors.
  - Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
  - Unit in standard configuration/execution, without optional accessories.
  - Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]
  - Seasonal space heating energy index
  - Seasonal energy efficiency of the space cooling
  - Seasonal performance coefficient
  - Seasonal space heating energy efficiency
- The units highlighted in this publication contain HFC R407C [GWP<sub>100</sub> 1774] fluorinated greenhouse gases.

**APPLICATION FLOOR HEATING**

AWR DHW2 XE / SL			0065t	0101t
Power supply		V/ph/Hz	400/3/50	400/3/50
<b>COOLING ONLY (GROSS VALUE)</b>				
Cooling capacity	(1)	kW	21,0	31,3
Total power input	(1)	kW	5,57	8,47
EER	(1)	kW/kW	3,77	3,70
ESEER	(1)	kW/kW		
<b>COOLING ONLY (EN14511 VALUE)</b>				
Cooling capacity	(1)(2)	kW	21,1	31,4
EER	(1)(2)	kW/kW	3,80	3,75
ESEER	(1)(2)	kW/kW	3,30	3,14
<b>HEATING ONLY (GROSS VALUE)</b>				
Total heating capacity	(3)	kW	19,4	29,4
Total power input	(3)	kW	4,68	7,06
COP	(3)	kW/kW	4,15	4,16
<b>HEATING ONLY (EN14511 VALUE)</b>				
Total heating capacity	(2)(3)	kW	19,3	29,3
COP	(2)(3)	kW/kW	4,13	4,19
<b>COOLING WITH TOTAL HEAT RECOVERY</b>				
Cooling capacity	(4)	kW	20,5	30,4
Total power input	(4)	kW	4,67	6,78
Recovery heat exchanger capacity	(4)	kW	24,8	36,8
<b>TOTAL RECOVERY ONLY</b>				
Total heating capacity	(3)	kW	19,4	29,4
Total power input	(3)	kW	4,68	7,06
<b>ENERGY EFFICIENCY</b>				
<b>SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)</b>				
<b>Ambient refrigeration</b>				
Prated,c	(11)	kW	-	-
SEER	(11)(12)		-	-
Performance ηs	(11)(13)	%	-	-
<b>SEASONAL EFFICIENCY IN HEATING (Reg. EU 813/2013)</b>				
PDesign	(5)	kW	15,1	20,5
SCOP	(5)(14)		3,43	3,30
Performance ηs	(5)(15)	%	134	129
Seasonal efficiency class	(5)		A+	A+
<b>EXCHANGERS</b>				
<b>HEAT EXCHANGER USER SIDE IN REFRIGERATION</b>				
Water flow	(1)	l/s	1,01	1,50
Available unit's head	(1)	kPa	102	93,5
<b>HEAT EXCHANGER USER SIDE IN HEATING</b>				
Water flow	(3)	l/s	0,93	1,41
Available unit's head	(3)	kPa	104	97,0
<b>HEAT EXCHANGER RECOVERY USER SIDE IN REFRIGERATION</b>				
Water flow	(4)	l/s	1,20	1,78
Pressure drop	(4)	kPa	18,2	17,1
<b>HEAT EXCHANGER RECOVERY USER SIDE IN HEATING</b>				
Water flow	(4)	l/s	0,91	1,38
Pressure drop	(4)	kPa	10,5	10,3
<b>REFRIGERANT CIRCUIT</b>				
Compressors nr.		N°	1	1
No. Circuits		N°	1	1
Refrigerant charge		kg	16,7	18,0
<b>NOISE LEVEL</b>				
Sound power level in cooling	(6)(7)	dB(A)	73	74
Sound power level in heating	(6)(8)	dB(A)	74	75
Sound Pressure	(9)	dB(A)	57	58
<b>SIZE AND WEIGHT</b>				
A	(10)	mm	1700	1700
B	(10)	mm	650	650
H	(10)	mm	1700	1700
Operating weight	(10)	kg	348	390

**Notes:**

- Plant (side) cooling exchanger water (in/out) 23°C/18°C; Source (side) heat exchanger air (in) 35°C.
  - Values in compliance with EN14511-3:2013.
  - Plant (side) heat exchanger water (in/out) 30°C/35°C; Source (side) heat exchanger air (in) 7°C - 87% R.H.
  - Plant (side) cooling exchanger water (in/out) 23°C/18°C; Plant (auxiliary side) heat exchanger recovery water (in/out) 45°C/50°C.
  - Seasonal space heating energy efficiency class LOW TEMPERATURE in AVERAGE climate conditions [REGULATION (EU) N. 813/2013]
  - Sound power on the basis of measurements made in compliance with ISO 9614.
  - Sound power level in cooling, outdoors.
  - Sound power level in heating, outdoors.
  - Average sound pressure level at 1m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level.
  - Unit in standard configuration/execution, without optional accessories.
  - Seasonal energy efficiency of the cooling environment [REGULATION (EU) N. 2016/2281]
  - Seasonal space heating energy index
  - Seasonal energy efficiency of the space cooling
  - Seasonal performance coefficient
  - Seasonal space heating energy efficiency
- The units highlighted in this publication contain HFC R407C [GWP<sub>100</sub> 1774] fluorinated greenhouse gases.

