



## **POMPË NXEHTËSIE**



# **NIMBUS - POCKET M**

- Më shumë hapsirë, ngrohje, / , ftohje
- Efikasitet max dhe kur temperatura është e ulët
- Ujë të ngrohtë të disponueshëm në të gjithë kohën.

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## NIMBUS POCKET M

| 40 | 50 | 70 | 70-T | 90 | 110 |
|----|----|----|------|----|-----|
|----|----|----|------|----|-----|

**A++ (A+++ ready)**

**A++**

-

-



standard

yes

yes

-

-

-

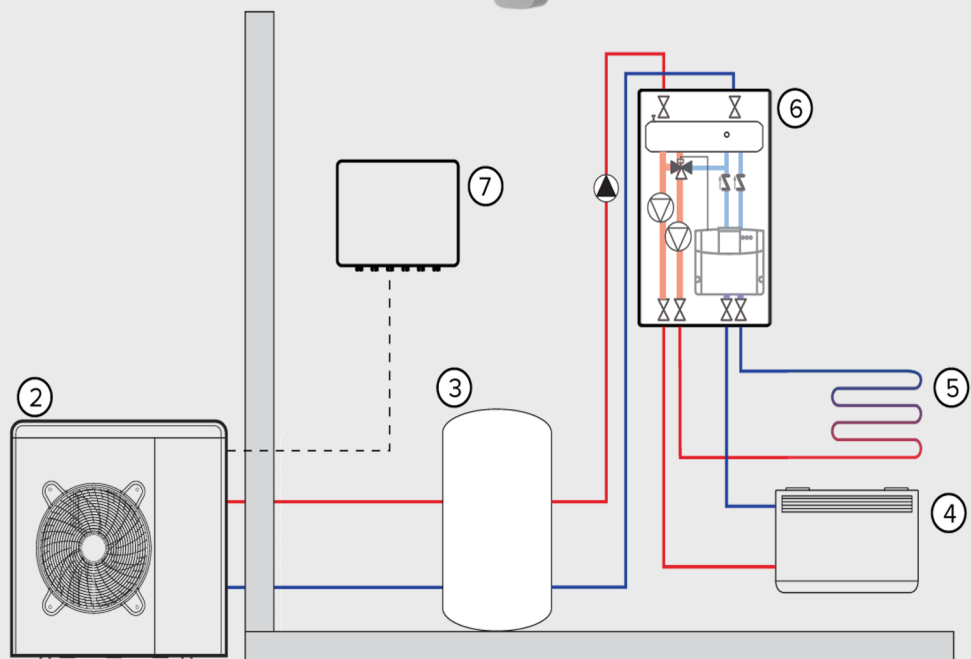
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Sensys - external sensor - gateway - light box

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| 3301184 | 3301185 | 3301186 | 3301187 | 3301188 | 3301189 |
|---------|---------|---------|---------|---------|---------|

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**NIMBUS POCKET M**

# NIMBUS POCKET M



## Up to 11 KW:

- / Pompë nxehtësie monoblok inverter gaz/ uji për ngrohje të ambientit, ftohje, dhe ujë sanitar
- / Eficente dhe në klime të ftohtë
- / Lidhje e përhershme standarte falë portës "Light" (Light Gateway), bën të mundur një menaxhim dhe monitorim më të saktë të temperaturës dhe në distancë
- / Menaxheri i sistemit Sensys dhe sensori i rregullimit të jashtëm të ngrohjes janë të përfshirë mbrenda standartit
- / Kutia e dritës për pozicionim të largët e të gjitha lidhjeve të njësisë së jashtme, që mund të instalohet edhe jashtë
- / Zgjidhja Plug and Play: për shtimin e një ene të zgjeruar (kazani) të përshtatshme për sistemin
- / Kazan inercial të dedikuar, dhe integruese me elemente ngrohës 2kW që mund të merren si paisje shtesë
- / Mund të kombinohet me një cilindër DHW të jashtme

### ENERGY CLASS



**A+++ READY**  
(ErP 2019)



## Up to 16.7 KW:

- / Pompë nxehtësie monoblok inverter gaz/ uji për ngrohje të ambientit, ftohje, dhe ujë sanitar
- / Eficente dhe në klime të ftohtë
- / Lidhje e përhershme standarte falë portës "Light" (Light Gateway), bën të mundur një menaxhim dhe monitorim më të saktë të temperaturës dhe në distancë
- / Menaxheri i sistemit Sensys dhe sensori i rregullimit të jashtëm të ngrohjes janë të përfshirë mbrenda standartit
- / Kutia e dritës për pozicionim të largët e të gjitha lidhjeve të njësisë së jashtme, që mund të instalohet edhe jashtë
- / Zgjidhja Plug and Play: për shtimin e një ene të zgjeruar (kazani) të përshtatshme për sistemin
- / Kazan inercial të dedikuar, dhe integruese me elemente ngrohës 2kW që mund të merren si paisje shtesë
- / Mund të kombinohet me një cilindër DHW të jashtme

### ENERGY CLASS



**A+++ READY**  
(ErP 2019)





ENERGY  
EFFICIENT



ITALIAN  
DESIGN



SUPER SILENT



ANTI-FREEZING



HEATING



COOLING

NIMBUS PLUS M NET 1.5-16.7 kW SPACE HEATING AND COOLING

Monobloc inverter air/water heat pump

| NIMBUS POCKET                                        |    | 40 M NET | 50 M NET | 70 M NET | 70 M T NET | 90 M T NET | 110 M T NET |
|------------------------------------------------------|----|----------|----------|----------|------------|------------|-------------|
| Min/max heat output (air T 7°C, water T 35/30)       | kW | 1.5/5.7  | 1.5/7.1  | 2.6/11   | 2.6/11     | 3.9/14     | 3.9/16.7    |
| Min/max heat output (air T 7°C, water T 45/40)       | kW | 1.4/5.5  | 1.4/6.8  | 2.4/10.5 | 2.4/10.5   | 3.7/13.3   | 3.7/16      |
| Min/max heat/cool output (air T 35°C, water T 18/23) | kW | 1.6/6.9  | 1.6/8.5  | 3.1/12   | 3.1/12     | 4.6/13.6   | 4.6/16.6    |

HEAT PUMP PERFORMANCE - SPACE HEATING

|                                                                                |    |        |        |        |        |        |        |
|--------------------------------------------------------------------------------|----|--------|--------|--------|--------|--------|--------|
| Rated heat output (air T 7°C, water T 35/30°C) in accordance with EN 14511     | kW | 3.5    | 4.4    | 6.4    | 6.4    | 8.5    | 10.4   |
| Rated absorbed power (air T 7°C, water T 35/30°C) in accordance with EN 14511  | kW | 0.69   | 0.88   | 1.28   | 1.28   | 1.66   | 2.08   |
| Rated COP (air T 7°C, water T 35/30°C) in accordance with EN 14511             |    | 5.11   | 5.02   | 5      | 5      | 5.10   | 5      |
| Rated heat output (air T 7°C, water T 45/40 °C) in accordance with EN 14511    | kW | 3.25   | 4.12   | 6.0    | 6.0    | 8.16   | 9.9    |
| Rated absorbed power (air T 7°C, water T 45/40 °C) in accordance with EN 14511 | kW | 0.87   | 1.11   | 1.67   | 1.67   | 2.1    | 2.6    |
| Rated COP (air T 7°C, water T 45/40 °C) in accordance with EN 14511            |    | 3.74   | 3.71   | 3.6    | 3.6    | 3.93   | 3.75   |
| Rated heat output (air T -7°C, water T 35/30°C) in accordance with EN 14511    | kW | 4.09   | 5      | 7      | 7      | 9.1    | 11     |
| Rated absorbed power (air T -7°C, water T 35/30°C) in accordance with EN 14511 | kW | 1.25   | 1.64   | 2.26   | 2.26   | 2.80   | 3.49   |
| Rated COP (air T -7°C, water T 35/30°C) in accordance with EN 14511            |    | 3.27   | 3.06   | 3.1    | 3.1    | 3.25   | 3.15   |
| Min/max delivery T in heat pump mode                                           | °C | 20/60  | 20/60  | 20/60  | 20/60  | 20/60  | 20/60  |
| Max delivery T with integrative heating elements (not included)                | °C | 70     | 70     | 70     | 70     | 70     | 70     |
| Min/max air T with heat pump operation                                         | °C | -20/35 | -20/35 | -20/35 | -20/35 | -20/35 | -20/35 |

HEAT PUMP PERFORMANCE - COOLING

|                                                                                 |    |       |       |       |       |       |       |
|---------------------------------------------------------------------------------|----|-------|-------|-------|-------|-------|-------|
| Rated heat output (air T 35°C, water T 18/23 °C) in accordance with EN 14511    | kW | 4.8   | 5.87  | 7.5   | 7.5   | 10.55 | 12.5  |
| Rated absorbed power (air T 35°C, water T 18/23 °C) in accordance with EN 14511 | kW | 0.9   | 1.2   | 1.5   | 1.5   | 2.17  | 2.74  |
| Rated EER (air T 35°C, water T 18/23 °C) in accordance with EN 14511            |    | 5.35  | 4.89  | 5     | 5     | 4.86  | 4.56  |
| Rated heat output (air T 35°C, water T 7/12 °C) in accordance with EN 14511     | kW | 4     | 5.05  | 7.2   | 7.2   | 9.05  | 11    |
| Rated absorbed power (air T 35°C, water T 7/12 °C) in accordance with EN 14511  | kW | 1.17  | 1.6   | 2.29  | 2.29  | 2.87  | 3.75  |
| Rated EER (air T 35°C, water T 7/12 °C) in accordance with EN 14511             |    | 3.42  | 3.16  | 3.14  | 3.14  | 3.15  | 2.93  |
| Min/max flow T                                                                  | °C | 7/23  | 7/23  | 7/23  | 7/23  | 7/23  | 7/23  |
| Max/min T for heat pump operation                                               | °C | 43/10 | 43/10 | 43/10 | 43/10 | 43/10 | 43/10 |

ErP DATA

|                                           |          |      |      |      |      |      |      |
|-------------------------------------------|----------|------|------|------|------|------|------|
| External unit noise level                 | dB(A)    | 57   | 59   | 61   | 61   | 63   | 63   |
| Seasonal efficiency (average climate, HT) | %        | 127  | 130  | 128  | 128  | 129  | 132  |
| Seasonal efficiency (average climate, LT) | %        | 179  | 176  | 178  | 178  | 189  | 189  |
| Annual absorbed power (HT)                | kWh/year | 2949 | 3647 | 4706 | 4706 | 5878 | 7071 |

EXTERNAL UNIT F-GAS DATA

|                     |   |          |          |          |            |            |             |
|---------------------|---|----------|----------|----------|------------|------------|-------------|
| NIMBUS              |   | 40 M EXT | 50 M EXT | 70 M EXT | 70 M-T EXT | 90 M-T EXT | 110 M-T EXT |
| Type of refrigerant |   | R-410A   | R-410A   | R-410A   | R-410A     | R-410A     | R-410A      |
| Refrigerant charge  | g | 1880     | 1880     | 2770     | 2770       | 3900       | 3900        |
| GWP                 |   | 2088     | 2088     | 2088     | 2088       | 2088       | 2088        |
| CO2 equivalents     | t | 3.9      | 3.9      | 5.8      | 5.8        | 8.1        | 8.1         |

Up to 11 KW:

1 ZONE

| NIMBUS POCKET                                                                                                      | 40 M NET | 50 M NET | 70 M NET | 70 M T NET |
|--------------------------------------------------------------------------------------------------------------------|----------|----------|----------|------------|
|  Space heating energy class 35°C | A++      | A++      | A++      | A++        |
|  Space heating energy class 55°C | A++      | A++      | A++      | A++        |
| CODE                                                                                                               | 3301184  | 3301185  | 3301186  | 3301187    |

Up to 16.7 KW:

1 ZONE

| NIMBUS POCKET                                                                                                      | 90 M T NET | 110 M T NET |
|--------------------------------------------------------------------------------------------------------------------|------------|-------------|
|  Space heating energy class 35°C | A++        | A++         |
|  Space heating energy class 55°C | A++        | A++         |
| CODE                                                                                                               | 3301188    | 3301189     |



#### SELECTION OF DEDICATED ACCESSORIES\*

CODE

##### SUPPLIED ACCESSORIES

|                                                    |          |
|----------------------------------------------------|----------|
| SENSYS modulating system controller                | standard |
| LIGHT GATEWAY to access WIFI connectivity services | standard |
| WIRED EXTERNAL SENSOR                              | standard |
| LIGHT BOX (wiring box)                             | standard |

##### INSTALLATION ACCESSORIES

|                                                         |         |
|---------------------------------------------------------|---------|
| HOSES 1M - M                                            | 3078151 |
| HOSES 3M - M                                            | 3078152 |
| HOSES 10M - M                                           | 3078153 |
| EXOGEL KIT                                              | 3318771 |
| VIBRATION ABSORBER FEET (2 pcs)                         | 3078097 |
| SAFETY HUMIDISTAT                                       | 3318925 |
| WALL MOUNTING BRACKETS (external unit)                  | 3078101 |
| WALL MOUNTING VIBRATION ABSORBERS (external unit) 4 pcs | 3078102 |
| ADJUSTABLE DIFFERENTIAL BY-PASS KIT **                  | 3319002 |
| VALVE/FILTER KIT                                        | 3083059 |
| HYDRAULIC SAFETY ASSEMBLY 3/4"                          | 877085  |
| SIPHON 1"                                               | 877086  |
| CKZ 30 HH (expansion vessel excluded) - class C         | 3060531 |
| CKZ 50 HH (expansion vessel excluded) - class C         | 3060532 |
| 2 KW INTEGRATIVE HEATING ELEMENT FOR CKZ HH             | 3078154 |
| 10 l INSULATED EXPANSION VESSEL FOR CKZ HH              | 3078155 |
| 3-WAY VALVE FOR DHW OR COOLING                          | 3078156 |

##### ACCESSORIES FOR MANAGEMENT OF SEVERAL HOT/COLD TEMPERATURE ZONES

|                                 |         |
|---------------------------------|---------|
| MGM 2-ZONE HOT/COLD             | 3319114 |
| 2-ZONE HOT/COLD KIT contains:   | 3319096 |
| - mixing valve with insulation  |         |
| - 2 zone pumps + insulation     |         |
| - hot/cold zone manager kit     |         |
| - 2 heating return sensors - S4 |         |

##### ADDITIONAL ACCESSORIES FOR MANAGEMENT OF SEVERAL HOT/COLD TEMPERATURE ZONES

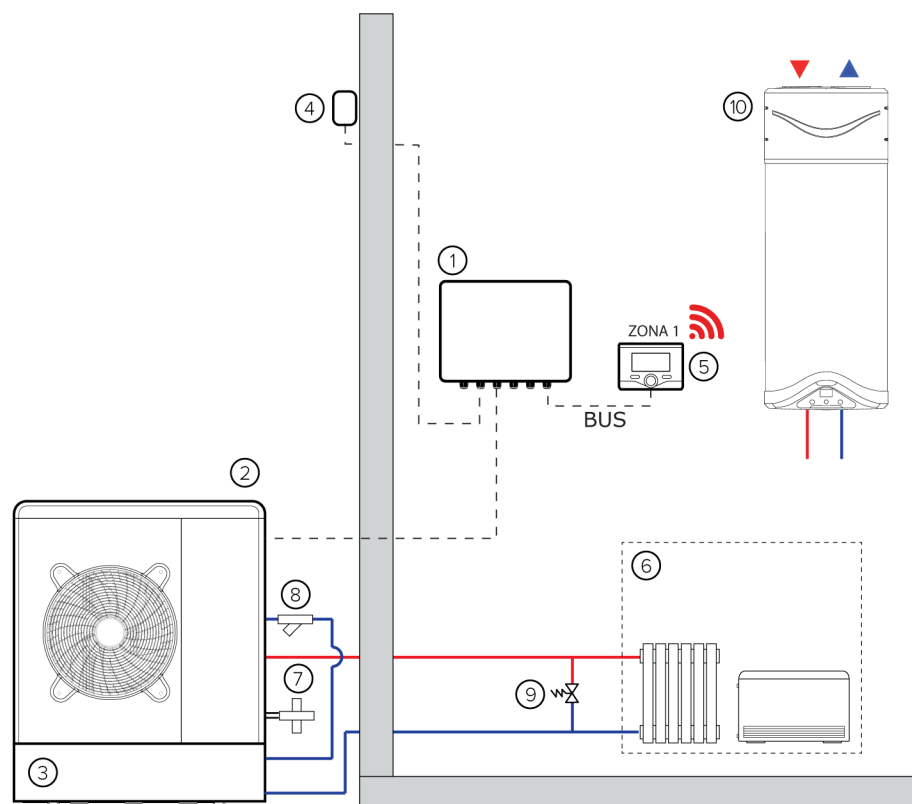
|                                  |         |
|----------------------------------|---------|
| Mixing valve with insulation     | 3319077 |
| Zone pumps with insulation       | 3319078 |
| Space heating return sensor - S4 | 3024175 |

\* for complete list of accessories see pages 79-80-81

\*\* to be installed for systems with thermostat valves on all terminals or zone valves to ensure minimum operating flow rate.

# System diagrams

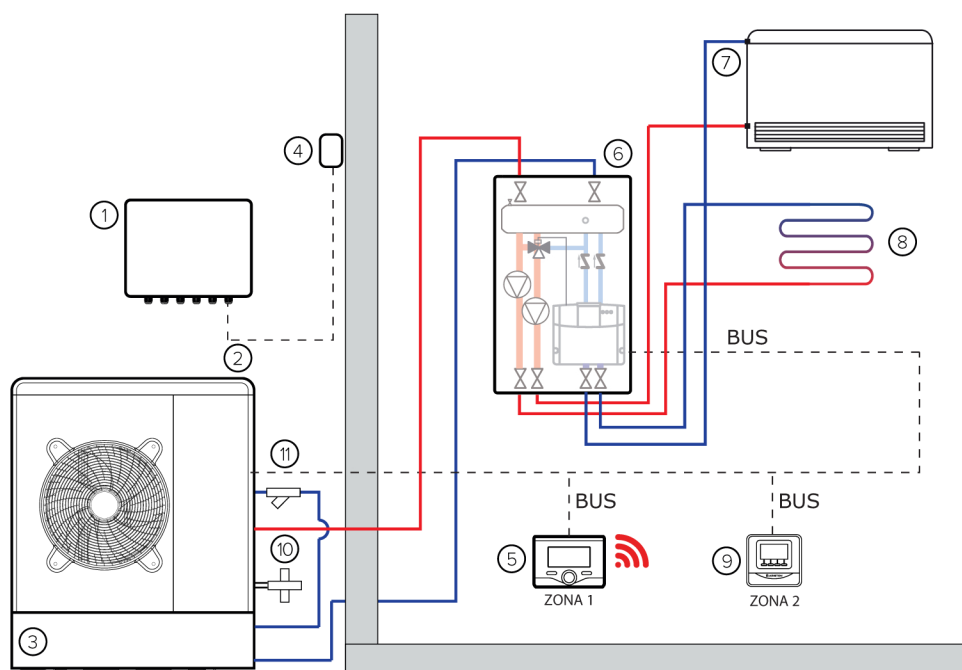
## NIMBUS POCKET M NET + NUOS EVO A+ (heat pump water heater for DHW)



Key:

1. Light box
2. External unit
3. CKZ 30 HH
4. Outdoor sensor
5. Sensys + Light Gateway
6. Zone with high temperature space heating/low temperature cooling (with fan coil)
7. Exogel kit (optional)
8. Valve/filter kit (optional)
9. Adjustable differential bypass (optional)\*\*
10. NUOS EVO A+ (cannot be controlled by Sensys)

## NIMBUS POCKET M NET + MGM 2 ZONE HOT/COLD



Key:

1. Light box
2. External unit
3. CKZ 30 HH
4. Outdoor sensor
5. Sensys + Light Gateway
6. MGM 2-zone hot/cold
7. Zone 1 heating-cooling (with fan coil)
8. Zone 2 heating-cooling (floor system)
9. Modulating room sensor (optional)\*\*\*
10. Exogel kit (optional)
11. Valve/filter kit (optional)

\*\*\* to manage the second zone via ARISTON NET, an additional Sensys must be installed instead of the modulating room sensor.



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