

# Multisystem - Indoor units

## Onnix 2.0



KID-05.4 S  
Standard

| Technical documentation   | Download                                                                                            |
|---------------------------|-----------------------------------------------------------------------------------------------------|
| User Manual               | <a href="#"></a> |
| Controller Manual         | <a href="#"></a> |
| Declaration of Conformity | <a href="#"></a> |
| Installation diagrams     | <a href="#"></a> |

| Model                        |                   | KAY-D 26 DR11   | KAY-D 35 DR11   | KAY-D 52 DR11   |
|------------------------------|-------------------|-----------------|-----------------|-----------------|
| Cooling capacity rated       | kW                | 2.63            | 3.52            | 5.28            |
| Heating capacity rated       | kW                | 2.93            | 3.81            | 5.57            |
| Communication wiring         | mm <sup>2</sup>   | (3+T)x2,5       | (3+T)x2,5       | (3+T)x2,5       |
| Width / Height / Depth       | mm                | 921 / 321 / 211 | 921 / 321 / 211 | 921 / 321 / 211 |
| Net weight                   | kg                | 11.3            | 11.3            | 11.3            |
| Air flow low / medium / high | m <sup>3</sup> /h | 425 / 515 / 700 | 425 / 515 / 700 | 430 / 530 / 750 |
| Sound pressure               | dB(A)             | 21.5 / 32.5/ 40 | 21.5 / 32.5/ 40 | 33.5 / 36.5/ 41 |
| Sound power level            | dB(A)             | 53              | 53              | 54              |
| Liquid / Gas pipe diameter   | inch              | 1/4" / 3/8"     | 1/4" / 3/8"     | 1/4" / 1/2"     |

See compatibility of controllers in the range 1x1

**Cooling and heating capacity:** The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

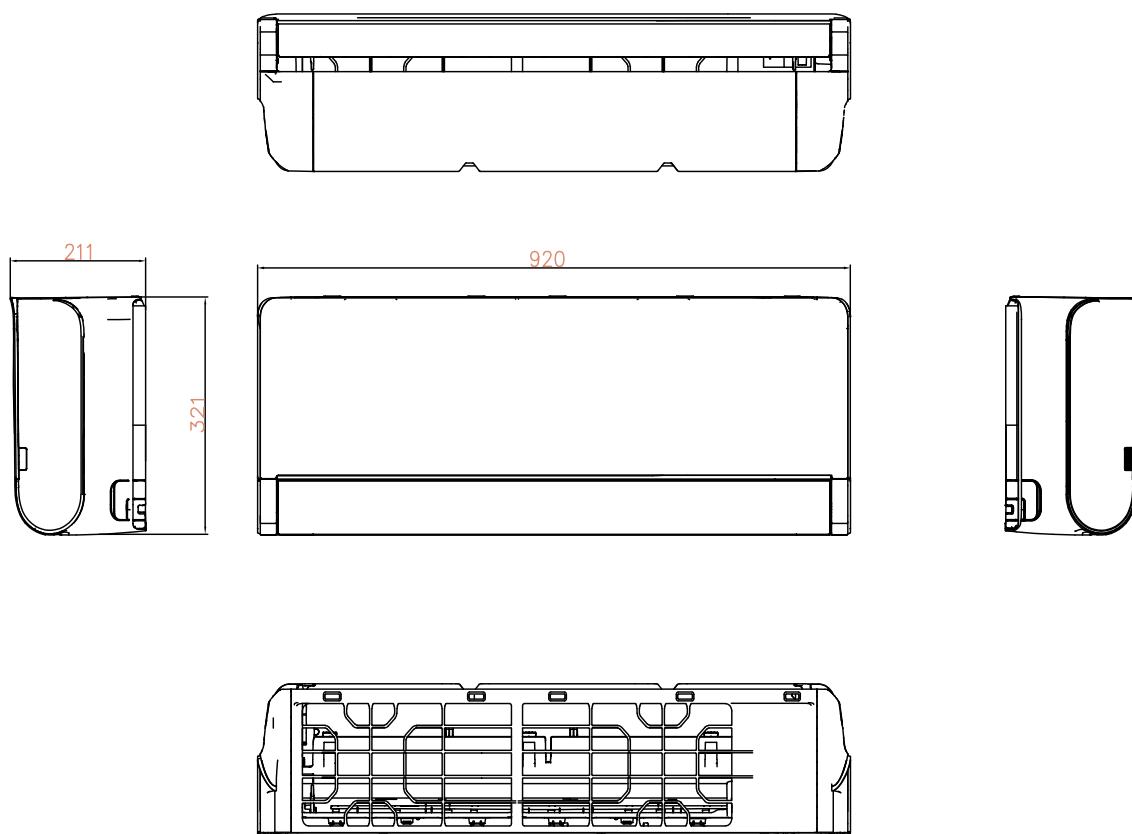
**Sound pressure:** Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.

**Communication wiring:** The supply to the unit is made via communication wire.

**NOTE:** Before installing these units, current legislation regarding refrigerant gases must be consulted.

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# Multisystem - Outdoor units

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| Technical documentation   | Download                                                                            |
|---------------------------|-------------------------------------------------------------------------------------|
| User Manual               |  |
| Declaration of Conformity |  |
| Dimensions                |  |
| Installation diagrams     |  |

| Model                                               |                   | KAM2-42<br>DR8    | KAM2-52<br>DR8    | KAM3-52<br>DR8    | KAM3-62<br>DR8    | KAM3-78<br>DR8    | KAM4-80<br>DR7              | KAM4-105<br>DR7             | KAM5-120<br>DR8             |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------------|-----------------------------|-----------------------------|
| <b>&gt; Set</b>                                     |                   |                   |                   |                   |                   |                   |                             |                             |                             |
| Cooling capacity rated                              | kW                | 4.10              | 5.28              | 5.28              | 6.15              | 7.91              | 8.20                        | 10.55                       | 12.31                       |
| Heating capacity rated                              | kW                | 4.39              | 5.57              | 5.57              | 6.59              | 8.21              | 8.79                        | 11.14                       | 12.6                        |
| Heating capacity rated at -7°C                      | kW                | 3.5               | 3.62              | 3.7               | 4.13              | 6.52              | 5.81                        | 7.33                        | 8.54                        |
| Cooling input rated                                 | W                 | 1270              | 1630              | 1450              | 1900              | 2450              | 2261                        | 3265                        | 3800                        |
| Heating input rated                                 | W                 | 1200              | 1500              | 1380              | 1770              | 2200              | 2160                        | 2840                        | 3300                        |
| Heating input rated at -7°C                         | W                 | 1620              | 1490              | 1455              | 1750              | 3080              | 1875                        | 4010                        | 4077                        |
| COP at -7°C                                         |                   | 3.19              | 3.2               | 2.6               | 3.1               | 3.13              | 3.1                         | 3.11                        | 2.1                         |
| SEER                                                |                   | 6.8 - A++         | 6.6 - A++         | 6.8 - A++         | 6.5 - A++         | 6.7 - A++         | 7.2 - A++                   | 6.5 - A++                   | 6.5 - A++                   |
| Communication wiring                                | mm <sup>2</sup>   | (3+T)x2,5         | (3+T)x2,5         | (3+T)x2,5         | (3+T)x2,5         | (3+T)x2,5         | (3+T)x2,5                   | (3+T)x2,5                   | (3+T)x2,5                   |
| No. indoor units                                    |                   | 2                 | 2                 | 3                 | 3                 | 3                 | 4                           | 4                           | 5                           |
| Power supply                                        | V/ph/Hz           | 220-240/1/50      | 220-240/1/50      | 220-240/1/50      | 220-240/1/50      | 220-240/1/50      | 220-240/1/50                | 220-240/1/50                | 220-240/1/50                |
| Power wiring                                        | mm <sup>2</sup>   | (2+T)x2,5         | (2+T)x2,5         | (2+T)x4           | (2+T)x4           | (2+T)x4           | (2+T)x4                     | (2+T)x6                     | (2+T)x6                     |
| Width / Height / Depth                              | mm                | 805 / 554 / 330   | 805 / 554 / 330   | 805 / 554 / 330   | 890 / 673 / 342   | 890 / 673 / 342   | 946 / 810 / 410             | 946 / 810 / 410             | 946 / 810 / 410             |
| Net weight                                          | kg                | 31.6              | 35.5              | 36.2              | 46.8              | 53                | 64.3                        | 68.8                        | 74.10                       |
| Air flow                                            | m <sup>3</sup> /h | 2200              | 2200              | 2100              | 3000              | 2700              | 4000                        | 4000                        | 3850                        |
| Sound pressure                                      | dB(A)             | 57                | 56                | 57                | 57.5              | 54                | 61                          | 63                          | 61.5                        |
| Sound power level                                   | dB(A)             | 66                | 63                | 64                | 66                | 67                | 69                          | 68                          | 70                          |
| <b>&gt; Refrigerant</b>                             |                   |                   |                   |                   |                   |                   |                             |                             |                             |
| Type refrigerant                                    |                   | R-32              | R-32              | R-32              | R-32              | R-32              | R-32                        | R-32                        | R-32                        |
| GWP                                                 |                   | 675               | 675               | 675               | 675               | 675               | 675                         | 675                         | 675                         |
| Refrigerant charge                                  | kg                | 0.9               | 1.25              | 1.5               | 1.4               | 1.72              | 1.8                         | 2.1                         | 2.9                         |
| t CO <sub>2</sub> eq                                | tCO <sub>2</sub>  | 0.61              | 0.84              | 1.01              | 0.95              | 1.16              | 1.22                        | 1.42                        | 1.96                        |
| Liquid / Gas pipe diameter                          | inch              | 2x 1/4" / 2x 3/8" | 2x 1/4" / 2x 3/8" | 3x 1/4" / 3x 3/8" | 3x 1/4" / 3x 3/8" | 3x 1/4" / 3x 3/8" | 4x 1/4" / 3x 3/8" + 1x 1/2" | 4x 1/4" / 3x 3/8" + 1x 1/2" | 5x 1/4" / 4x 3/8" + 1x 1/2" |
| Piping total length                                 | m                 | 40                | 40                | 60                | 60                | 60                | 80                          | 80                          | 80                          |
| Vertical piping max. length                         | m                 | 15                | 15                | 15                | 15                | 15                | 15                          | 15                          | 15                          |
| <b>&gt; Working range</b>                           |                   |                   |                   |                   |                   |                   |                             |                             |                             |
| Outdoor ambient temperature for heating min. / max. | °C                | -15 / 24          | -15 / 24          | -15 / 24          | -15 / 24          | -15 / 24          | -15 / 24                    | -15 / 24                    | -15 / 24                    |
| Outdoor ambient temperature for cooling min. / max. | °C                | -15 / 50          | -15 / 50          | -15 / 50          | -15 / 50          | -15 / 50          | -15 / 50                    | -15 / 50                    | -15 / 50                    |

**Cooling and heating capacity. Cooling and heating input. Energy efficiency:** The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.

**Sound pressure:** Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.

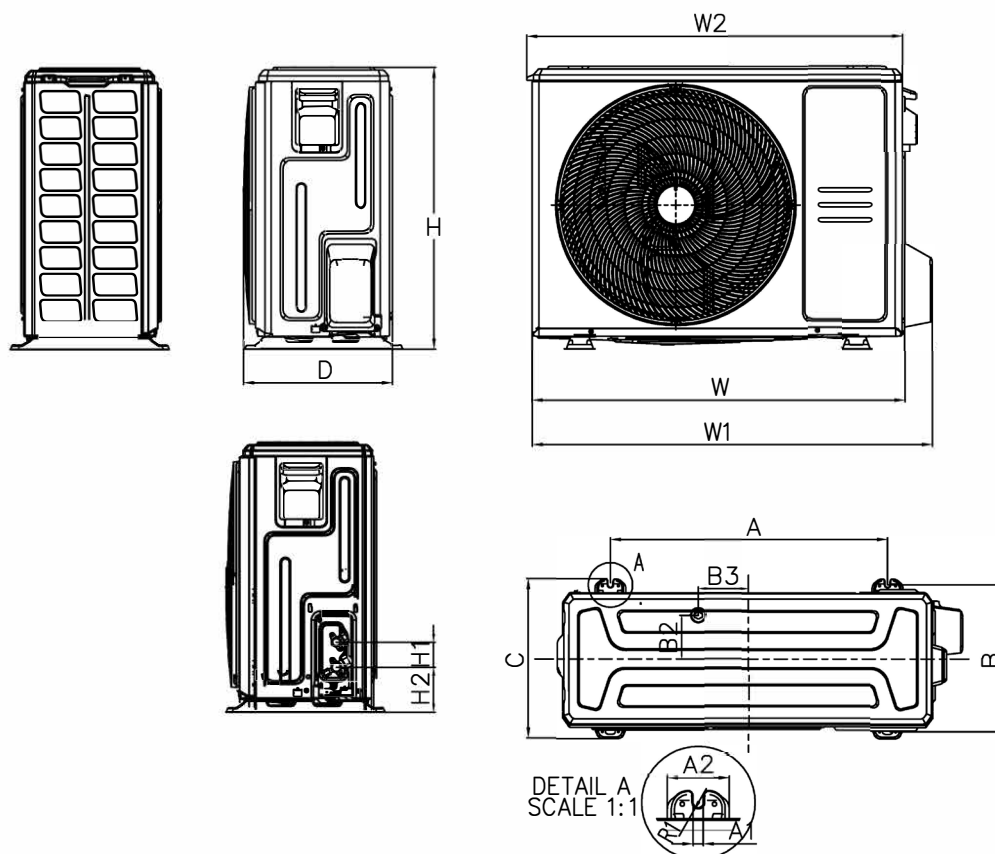
**Power wiring:** The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.

**Supplementary charge:** The initial charging of the outdoor machines is valid for the first 7.5 m (liquid line). A supplementary charge of 0.012 kg/m is required for greater distances per each additional metre.

**NOTE:** Before installing these units, current legislation regarding refrigerant gases must be consulted.

# Multisystem - Outdoor units

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| Platform | W   | W1   | W2  | D   | H   | A   | B   | C   | H1 | H2  | A1   | A2 | R1  | B2   | B3 |
|----------|-----|------|-----|-----|-----|-----|-----|-----|----|-----|------|----|-----|------|----|
| X1       | 720 | 790  | 727 | 270 | 495 | 452 | 255 | 281 | 60 | 87  | 11.7 | 49 | 6   | 76.5 | 33 |
| X2       | 765 | 835  | 784 | 303 | 555 | 452 | 286 | 314 | 60 | 93  | 10   | 62 | 5   | 76   | 18 |
| X3       | 805 | 874  | 815 | 330 | 554 | 511 | 317 | 346 | 60 | 95  | 10   | 58 | 6.5 | 105  | 49 |
| X4       | 890 | 955  | 895 | 342 | 673 | 663 | 354 | 380 | 60 | 108 | 12   | 74 | 6   | 52   | 61 |
| X6       | 980 | 1073 | /   | 415 | 975 | 616 | 397 | 440 | 60 | 114 | 12   | 76 | 6   | 111  | 95 |
| D        | 946 | 1030 | /   | 410 | 810 | 673 | 403 | 455 | 60 | 108 | 24   | 73 | 6   | 95   | 10 |

| ODU          |    |
|--------------|----|
| KAM2-42 DR8  | X3 |
| KAM2-52 DR8  |    |
| KAM3-52 DR8  |    |
| KAM3-62 DR8  | X4 |
| KAM3-78 DR8  |    |
| KAM4-80 DR7  | D  |
| KAM4-105 DR7 |    |
| KAM5-120 DR8 |    |