

# MISTRAL

## Smart comfort made affordable

Designed for homeowners who prioritize affordability without sacrificing performance, Moovair Mistral offers dependable heating and cooling for everyday comfort. Whether upgrading an existing system or seeking a budget-friendly solution, Mistral delivers efficiency and reliability with just the right amount of features to meet your needs.

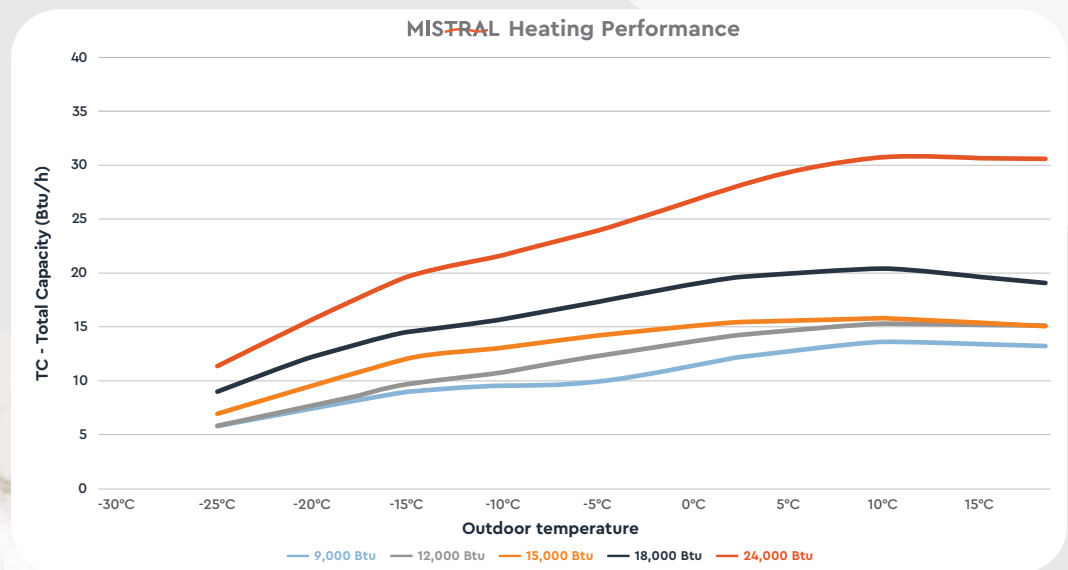
### Efficient climate control

The Moovair Mistral single-zone system delivers reliable heating and cooling at an affordable price, making it an excellent choice for budget-conscious homeowners who want quality performance.

### Heating output that doesn't falter

Mistral delivers impressive cold-weather performance, maintaining up to 85% of its heating capacity at  $-15^{\circ}\text{C}$  to support stable indoor comfort.

When properly sized and installed, it continues **operating down to  $-25^{\circ}\text{C}$** , delivering dependable warmth in extreme conditions.



### Why choose Mistral?

With the core capabilities you need and the flexibility your customers want, Mistral delivers worry-free installs and dependable comfort.





# Technical specifications

| Indoor model                                      |                                                  |         | MWHEA09C2AN1                          | MWHEA12C2AN1                          | MWHEA15C2AN1                          | MWHEA18C2AN1                    | MWHEA24C2AN1                   |
|---------------------------------------------------|--------------------------------------------------|---------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------|--------------------------------|
| Outdoor model                                     |                                                  |         | MSHEA09C2AN1                          | MSHEA12C2AN1                          | MSHEA15C2AN1                          | MSHEA18C2AN1                    | MSHEA24C2AN1                   |
| HEAT <sup>+</sup> Technology                      |                                                  |         | NO                                    | NO                                    | NO                                    | NO                              | NO                             |
| Cooling                                           | Capacity (range)                                 | Btu/h   | 9,000<br>(2,200~13,000)               | 12,000<br>(2,900~14,500)              | 15,000<br>(8,000~15,200)              | 18,000<br>(3,500~18,900)        | 24,000<br>(5,500~29,500)       |
|                                                   | EER2                                             |         | 14.9                                  | 13                                    | 11.7                                  | 12.7                            | 14                             |
|                                                   | SEER2                                            |         | 25.8                                  | 25.5                                  | 23.5                                  | 23.5                            | 23                             |
| Heating                                           | Capacity (range)                                 | Btu/h   | 10,000<br>(4,000~13,800)              | 12,000<br>(4,500~12,000)              | 15,000<br>(3,600~16,000)              | 18,000<br>(7,700~18,200)        | 25,000<br>(9,900~28,000)       |
|                                                   | COP at 8.3°C                                     |         | 3.90                                  | 3.90                                  | 3.3                                   | 3.50                            | 3.96                           |
|                                                   | HSPF2 Region V (Region IV)                       |         | 9.2 (12.5)                            | 8 (10.6)                              | 7.5 (9.9)                             | 8 (10.8)                        | 8.7 (11.7)                     |
| Max. fuse (outdoor)                               |                                                  | A       | 15                                    | 15                                    | 15                                    | 20                              | 25                             |
| Power supply                                      |                                                  | V Ph Hz | 208/230V 1Ph 60Hz                     | 208/230V 1Ph 60Hz                     | 208/230V 1Ph 60Hz                     | 208/230V 1Ph 60Hz               | 208/230V 1Ph 60Hz              |
| Indoor air flow<br>(Turbo \ Hi \ Mi \ Lo \ Si)    |                                                  | m³/h    | 750 \ 550 \ 390 \ 300 \ 250           | 750 \ 550 \ 390 \ 300 \ 250           | 765 \ 550 \ 390 \ 300 \ 250           | 1080 \ 850 \ 610 \ 500 \ -      | 1380 \ 1050 \ 700 \ 540 \ -    |
|                                                   |                                                  | CFM     | 441.4 \ 323.7 \ 229.6 \ 176.6 \ 147.2 | 441.4 \ 323.7 \ 229.6 \ 176.6 \ 147.2 | 450.3 \ 323.7 \ 229.6 \ 176.6 \ 147.2 | 635.7 \ 500.3 \ 359 \ 294.3 \ - | 812.3 \ 618 \ 412 \ 317.8 \ -  |
| Indoor noise level<br>(Turbo \ Hi \ Mi \ Lo \ Si) |                                                  | dB(A)   | 47.5 \ 43 \ 31 \ 18 \ 17              | 46 \ 38 \ 33 \ 18 \ 18                | 58.5 \ 36.5 \ 32.5 \ 21 \ 18          | 49 \ 45 \ 39 \ 28 \ 20          | 51.5 \ 43.5 \ 39.5 \ 21.5 \ 19 |
| Indoor unit                                       | Dimension (WxDxH)                                | mm      | 848.4×233.2×300                       | 848.4×233.2×300                       | 848.4×233.2×300                       | 1017×248×319                    | 1190×285×371                   |
|                                                   |                                                  | in      | 33.4×9.2×11.8                         | 33.4×9.2×11.8                         | 33.4×9.2×11.8                         | 40×9.8×12.6                     | 46.9×11.2×14.6                 |
|                                                   | Net weight                                       | kg      | 10.6                                  | 10.4                                  | 10.4                                  | 12.4                            | 19.8                           |
|                                                   |                                                  | lb      | 23.4                                  | 22.9                                  | 22.9                                  | 27.3                            | 43.7                           |
| Outdoor noise level                               |                                                  | dB(A)   | 52.5                                  | 56                                    | 57                                    | 58                              | 58                             |
| Outdoor unit                                      | Dimension (WxDxH)                                | mm      | 765×303×555                           | 765×303×555                           | 765×303×555                           | 890×342×673                     | 946×410×810                    |
|                                                   |                                                  | in      | 30.1×11.9×21.9                        | 30.1×11.9×21.9                        | 30.1×11.9×21.9                        | 35×13.5×26.5                    | 37.2×16.1×31.9                 |
|                                                   | Net weight                                       | kg      | 28.2                                  | 28.2                                  | 28.2                                  | 42                              | 55.4                           |
|                                                   |                                                  | lb      | 62.2                                  | 62.2                                  | 62.2                                  | 92.6                            | 122.1                          |
| Refrigerant precharge                             |                                                  | oz (kg) | 32.4 (0.9)                            | 32.4 (0.9)                            | 35.3 (1)                              | 48 (1.4)                        | 70.5 (2)                       |
| Refrigerant piping                                | Liquid side                                      | in (mm) | 1/4 (6.4)                             | 1/4 (6.3)                             | 1/4 (6.3)                             | 1/4 (6.4)                       | 3/8 (9.5)                      |
|                                                   | Gas side                                         | in (mm) | 3/8 (9.5)                             | 3/8 (9.5)                             | 3/8 (9.5)                             | 1/2 (12.7)                      | 5/8 (15.9)                     |
|                                                   | Max. refrigerant pipe length                     | ft (m)  | 82 (25)                               | 82 (25)                               | 82 (25)                               | 98.4 (30)                       | 164 (50)                       |
|                                                   | Max. difference in level                         | ft (m)  | 49.2 (15)                             | 49.2 (15)                             | 49.2 (15)                             | 65.6 (20)                       | 82 (25)                        |
| Moisture removal                                  |                                                  | L/h     | 0.6                                   | 1.1                                   | 1.7                                   | 2                               | 2.3                            |
| Included Controller Type                          |                                                  |         | Remote Control                        | Remote Control                        | Remote Control                        | Remote Control                  | Remote Control                 |
| Indoor Room                                       | Set point Range                                  | °C (°F) | 16~32 (60~90)                         | 16~32 (60~90)                         | 16~32 (60~90)                         | 16~32 (60~90)                   | 16~32 (60~90)                  |
| Outdoor                                           | Outdoor temperature range of operation (cooling) | °C (°F) | -25~50 (-13~122)                      | -25~50 (-13~122)                      | -25~50 (-13~122)                      | -25~50 (-13~122)                | -25~50 (-13~122)               |
|                                                   | Outdoor temperature range of operation (heating) | °C (°F) | -25~24 (-13~75)                       | -25~24 (-13~75)                       | -25~24 (-13~75)                       | -25~24 (-13~75)                 | -25~24 (-13~75)                |
| Refrigerant                                       |                                                  |         | R454B                                 | R454B                                 | R454B                                 | R454B                           | R454B                          |
| ENERGY STAR V6.1                                  |                                                  |         | ✓                                     | ✓                                     | ✓                                     | ✓                               | ✓                              |
| ENERGY STAR V6.1 Cold Climate                     |                                                  |         | ✓                                     | ✓                                     | ✓                                     | ✓                               | ✓                              |

Images shown are for illustration purposes only and may not represent the exact product model or configuration available.

Product specifications may change without notice. Performance at standard test conditions.

Values shown are approximate and may have been rounded for ease of reference. Refer to product submittals for complete specifications. Specifications subject to change without notice.

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