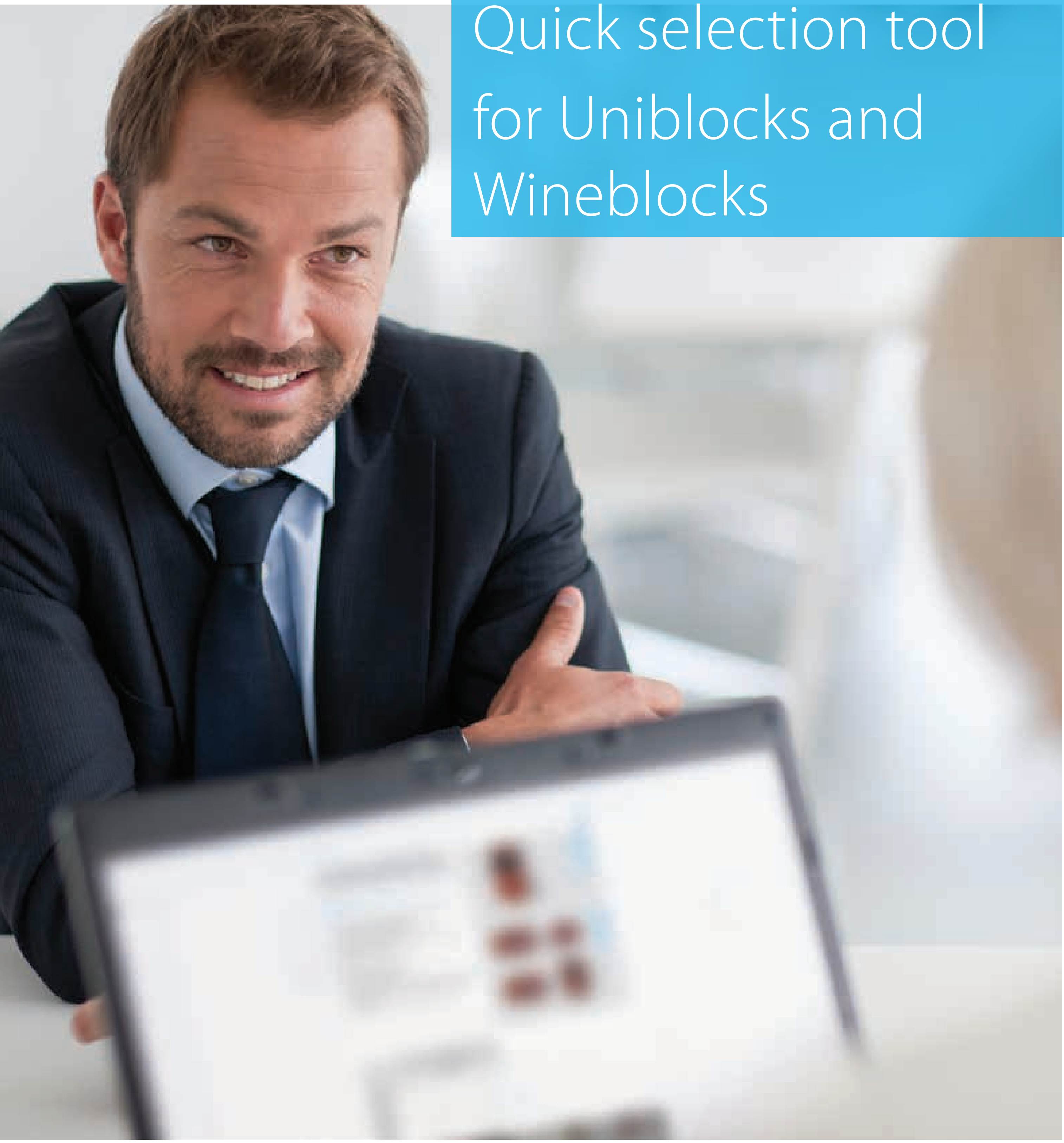
# Quick selection tool for Uniblocks and Wineblocks



GM

# Uniblock wall mounted
# R134a MT / R452A LT

## Wall mounted or alternatively through wall by using mounting kit

- › For small to midsize cold rooms
- › Fast assembly / mounting
- › Excellent space requirement vs. performance ratio
- › Automatic warning upon condenser pollution
- › New generation control panel: connection with classic remote
- › management systems or Modbus system
- › Equipped with HP and LP pressure switch (standard)
- › Low sound level due to acoustic insulation of the compressor chamber (optional)
- › Two models: straddle or through wall
- › Units available on stock
- › Discharge gas defrosting

GM

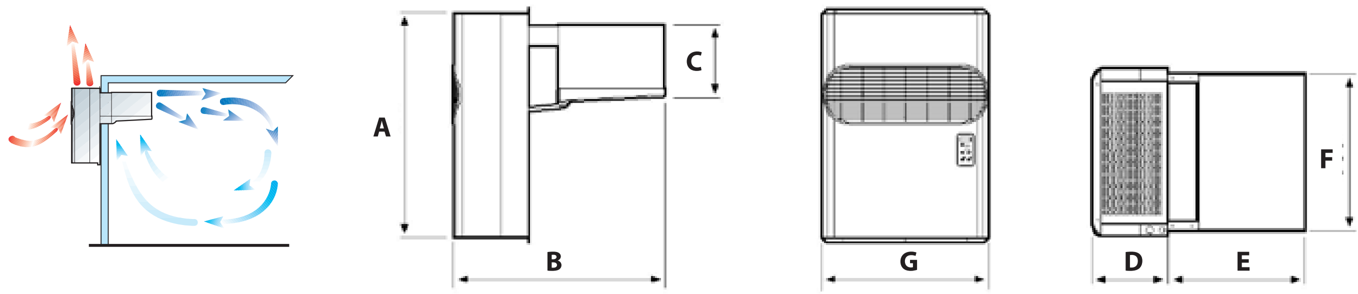
## How to select the right unit?

1. Select ambient temperature
2. Select cold room temperature
3. Select cold room/cooling volume (m3)
   - › Find correct model

| Type | Volume Cold room / Refrigeration Capacity / R134a MT | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ta=25°C | | | | | | | | Ta=35°C | | | | | | | |
| | Cold room temperature | | | | | | | | Cold room temperature | | | | | | | |
| | -5°C | | 0°C | | +5°C | | +10°C | | -5°C | | 0°C | | +5°C | | +10°C | |
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| MGM10326E | 4,1 | 758 | 5,2 | 905 | 6,7 | 1070 | 8,3 | 1239 | 3,4 | 677 | 4,5 | 815 | 5,7 | 962 | 7,1 | 1100 |
| MGM10526E | 5,1 | 880 | 6,6 | 1055 | 8,3 | 1256 | 11 | 1481 | 4 | 753 | 5,3 | 914 | 7,1 | 1103 | 9 | 1280 |
| MGM10626E | 6,1 | 1001 | 8,0 | 1205 | 10 | 1416 | 12 | 1671 | 5 | 874 | 6,6 | 1047 | 8,3 | 1248 | 11 | 1466 |
| MGM10726E | 8 | 1188 | 10 | 1409 | 12 | 1628 | 14 | 1926 | 7 | 1038 | 8,3 | 1237 | 11 | 1453 | 13 | 1736 |
| MGM11026E | 8 | 1217 | 10 | 1443 | 12 | 1677 | 15 | 1984 | 7 | 1068 | 9 | 1283 | 11 | 1507 | 14 | 1807 |
| MGM21126E | 12 | 1580 | 14 | 1902 | 18 | 2246 | 23 | 2639 | 10 | 1406 | 13 | 1705 | 16 | 2030 | 20 | 2331 |
| MGM21227E | 13 | 1739 | 17 | 2165 | 22 | 2575 | 30 | 3150 | 12 | 1539 | 14 | 1927 | 20 | 2334 | 26 | 2804 |
| MGM21327E | 14 | 1911 | 19 | 2325 | 26 | 2806 | 33 | 3383 | 12 | 1666 | 17 | 2074 | 22 | 2484 | 28 | 3040 |
| MGM31527E | 24 | 2703 | 32 | 3256 | 39 | 3857 | 49 | 4643 | 21 | 2416 | 27 | 2964 | 34 | 3491 | 43 | 4193 |
| MGM32027E | 27 | 2956 | 35 | 3533 | 42 | 4133 | 52 | 4869 | 24 | 2667 | 31 | 3210 | 38 | 3774 | 46 | 4438 |

Insulation 60 mm

## Installation type




| | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| GM1 | 735 | 850 | 264 | 280 | 570 | 368 | 400 |
| GM2 | 830 | 850 | 264 | 280 | 570 | 585 | 620 |
| GM3 | 830 | 920 | 364 | 350 | 570 | 585 | 620 |

# Uniblock wall mounted

## R134a MT

| Type | Volume Cold room / Refrigeration Capacity / R134a MT | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ta=25°C | | | | | | | | Ta=35°C | | | | | | | |
| | Cold room temperature | | | | | | | | Cold room temperature | | | | | | | |
| | -5°C | | 0°C | | +5°C | | +10°C | | -5°C | | 0°C | | +5°C | | +10°C | |
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| MGM10326E | 4,1 | 758 | 5,2 | 905 | 6,7 | 1070 | 8,3 | 1239 | 3,4 | 677 | 4,5 | 815 | 5,7 | 962 | 7,1 | 1100 |
| MGM10526E | 5,1 | 880 | 6,6 | 1055 | 8,3 | 1256 | 11 | 1481 | 4 | 753 | 5,3 | 914 | 7,1 | 1103 | 9 | 1280 |
| MGM10626E | 6,1 | 1001 | 8,0 | 1205 | 10 | 1416 | 12 | 1671 | 5 | 874 | 6,6 | 1047 | 8,3 | 1248 | 11 | 1466 |
| MGM10726E | 8 | 1188 | 10 | 1409 | 12 | 1628 | 14 | 1926 | 7 | 1038 | 8,3 | 1237 | 11 | 1453 | 13 | 1736 |
| MGM11026E | 8 | 1217 | 10 | 1443 | 12 | 1677 | 15 | 1984 | 7 | 1068 | 9 | 1283 | 11 | 1507 | 14 | 1807 |
| MGM21126E | 12 | 1580 | 14 | 1902 | 18 | 2246 | 23 | 2639 | 10 | 1406 | 13 | 1705 | 16 | 2030 | 20 | 2331 |
| MGM21227E | 13 | 1739 | 17 | 2165 | 22 | 2575 | 30 | 3150 | 12 | 1539 | 14 | 1927 | 20 | 2334 | 26 | 2804 |
| MGM21327E | 14 | 1911 | 19 | 2325 | 26 | 2806 | 33 | 3383 | 12 | 1666 | 17 | 2074 | 22 | 2484 | 28 | 3040 |
| MGM31527E | 24 | 2703 | 32 | 3256 | 39 | 3857 | 49 | 4643 | 21 | 2416 | 27 | 2964 | 34 | 3491 | 43 | 4193 |
| MGM32027E | 27 | 2956 | 35 | 3533 | 42 | 4133 | 52 | 4869 | 24 | 2667 | 31 | 3210 | 38 | 3774 | 46 | 4438 |

Insulation 60 mm

| | -5°C | | 0°C | | +5°C | | +10°C | | -5°C | | 0°C | | +5°C | | +10°C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| MGM10326E | 4,5 | 758 | 5,7 | 905 | 7,4 | 1070 | 9,1 | 1239 | 3,7 | 677 | 4,9 | 815 | 6,3 | 962 | 7,7 | 1100 |
| MGM10526E | 5,6 | 880 | 7,2 | 1055 | 9,1 | 1256 | 12 | 1481 | 4,4 | 753 | 5,8 | 914 | 7,8 | 1103 | 10 | 1280 |
| MGM10626E | 6,7 | 1001 | 8,7 | 1205 | 11 | 1416 | 14 | 1671 | 5,5 | 874 | 7,2 | 1047 | 9,1 | 1248 | 12 | 1466 |
| MGM10726E | 9 | 1188 | 11 | 1409 | 14 | 1628 | 15 | 1926 | 7,1 | 1038 | 9,1 | 1237 | 12 | 1453 | 15 | 1736 |
| MGM11026E | 9 | 1217 | 11 | 1443 | 14 | 1677 | 16 | 1984 | 7 | 1068 | 10 | 1283 | 12 | 1507 | 15 | 1807 |
| MGM21126E | 13 | 1580 | 15 | 1902 | 20 | 2246 | 25 | 2639 | 11 | 1406 | 15 | 1705 | 17 | 2030 | 22 | 2331 |
| MGM21227E | 15 | 1739 | 19 | 2165 | 25 | 2575 | 33 | 3150 | 13 | 1539 | 15 | 1927 | 22 | 2334 | 28 | 2804 |
| MGM21327E | 15 | 1911 | 21 | 2325 | 28 | 2806 | 36 | 3383 | 14 | 1666 | 18 | 2074 | 24 | 2484 | 31 | 3040 |
| MGM31527E | 26 | 2703 | 35 | 3256 | 43 | 3857 | 54 | 4643 | 23 | 2416 | 30 | 2964 | 37 | 3491 | 47 | 4193 |
| MGM32027E | 30 | 2956 | 38 | 3533 | 46 | 4133 | 57 | 4869 | 26 | 2667 | 34 | 3210 | 42 | 3774 | 51 | 4438 |

Insulation 80 mm

| | -5°C | | 0°C | | +5°C | | +10°C | | -5°C | | 0°C | | +5°C | | +10°C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| MGM10326E | 4,9 | 758 | 6,3 | 905 | 8,1 | 1070 | 10 | 1239 | 4,1 | 677 | 5,4 | 815 | 6,9 | 962 | 8,5 | 1100 |
| MGM10526E | 6,1 | 880 | 7,9 | 1055 | 10,0 | 1256 | 13 | 1481 | 4,8 | 753 | 6,4 | 914 | 8,5 | 1103 | 11 | 1280 |
| MGM10626E | 7,4 | 1001 | 9,6 | 1205 | 12 | 1416 | 15 | 1671 | 6 | 874 | 7,9 | 1047 | 10 | 1248 | 13 | 1466 |
| MGM10726E | 9 | 1188 | 12 | 1409 | 15 | 1628 | 17 | 1926 | 8 | 1038 | 10 | 1237 | 13 | 1453 | 16 | 1736 |
| MGM11026E | 10 | 1217 | 12 | 1443 | 15 | 1677 | 18 | 1984 | 8 | 1068 | 11 | 1283 | 13 | 1507 | 17 | 1807 |
| MGM21126E | 14 | 1580 | 17 | 1902 | 22 | 2246 | 28 | 2639 | 12 | 1406 | 16 | 1705 | 19 | 2030 | 24 | 2331 |
| MGM21227E | 16 | 1739 | 21 | 2165 | 27 | 2575 | 36 | 3150 | 14 | 1539 | 17 | 1927 | 24 | 2334 | 31 | 2804 |
| MGM21327E | 17 | 1911 | 23 | 2325 | 31 | 2806 | 40 | 3383 | 15 | 1666 | 20 | 2074 | 26 | 2484 | 34 | 3040 |
| MGM31527E | 29 | 2703 | 38 | 3256 | 47 | 3857 | 59 | 4643 | 25 | 2416 | 33 | 2964 | 41 | 3491 | 52 | 4193 |
| MGM32027E | 33 | 2956 | 42 | 3533 | 51 | 4133 | 63 | 4869 | 29 | 2667 | 37 | 3210 | 46 | 3774 | 56 | 4438 |

Insulation 100 mm

## R452A LT

| Type | Volume Cold room / Refrigeration Capacity / R452A LT | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ta=25°C | | | | | | Ta=35°C | | | | | |
| | Cold room temperature | | | | | | Cold room temperature | | | | | |
| | -25°C | | -20°C | | -15°C | | -25°C | | -20°C | | -15°C | |
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| BGM11026D | 2,0 | 581 | 2,9 | 732 | 4,0 | 882 | 1,5 | 500 | 2,2 | 624 | 3,1 | 768 |
| BGM11226D | 3,4 | 798 | 4,5 | 955 | 6,1 | 1129 | 2,4 | 660 | 3,5 | 820 | 4,7 | 974 |
| BGM11726D | 4,5 | 950 | 6,2 | 1144 | 7,8 | 1335 | 3,4 | 814 | 5 | 1010 | 6,4 | 1169 |
| BGM21826D | 6,6 | 1182 | 8,6 | 1427 | 12 | 1690 | 5,1 | 1028 | 7,2 | 1249 | 9,4 | 1492 |
| BGM22027D | 9,4 | 1481 | 13 | 1806 | 16 | 2104 | 7,2 | 1246 | 10 | 1567 | 13 | 1834 |
| BGM33027D | 16 | 2084 | 23 | 2537 | 30 | 3029 | 12 | 1732 | 17 | 2160 | 24 | 2653 |

Insulation 80 mm

| | -25°C | | -20°C | | -15°C | | -25°C | | -20°C | | -15°C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| BGM11026D | 2,2 | 581 | 3,3 | 732 | 4,5 | 882 | 1,7 | 500 | 2,5 | 624 | 3,6 | 768 |
| BGM11226D | 3,8 | 798 | 5,2 | 955 | 6,9 | 1129 | 2,8 | 660 | 4,0 | 820 | 5,3 | 974 |
| BGM11726D | 5,2 | 950 | 7,0 | 1144 | 8,9 | 1335 | 3,9 | 814 | 5,7 | 1010 | 7,3 | 1169 |
| BGM21826D | 7,5 | 1182 | 9,8 | 1427 | 13 | 1690 | 5,9 | 1028 | 8,2 | 1249 | 11 | 1492 |
| BGM22027D | 11 | 1481 | 15 | 1806 | 19 | 2104 | 8,2 | 1246 | 12 | 1567 | 15 | 1834 |
| BGM33027D | 18 | 2084 | 26 | 2537 | 35 | 3029 | 14 | 1732 | 20 | 2160 | 28 | 2653 |

Insulation 100 mm

| | -25°C | | -20°C | | -15°C | | -25°C | | -20°C | | -15°C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| BGM11026D | 2,5 | 581 | 3,7 | 732 | 5,1 | 882 | 1,9 | 500 | 2,8 | 624 | 4 | 768 |
| BGM11226D | 4,3 | 798 | 5,8 | 955 | 7,8 | 1129 | 3,1 | 660 | 4,5 | 820 | 6 | 974 |
| BGM11726D | 5,8 | 950 | 7,9 | 1144 | 10 | 1335 | 4,4 | 814 | 6,4 | 1010 | 8,2 | 1169 |
| BGM21826D | 8,4 | 1182 | 11 | 1427 | 15 | 1690 | 6,6 | 1028 | 9,2 | 1249 | 12 | 1492 |
| BGM22027D | 12 | 1481 | 17 | 1806 | 21 | 2104 | 9,2 | 1246 | 13 | 1567 | 17 | 1834 |
| BGM33027D | 20 | 2084 | 29 | 2537 | 39 | 3029 | 16 | 1732 | 22 | 2160 | 31 | 2653 |

Insulation 120 mm

| Conditions for calculated volumes | Commercial and Industrial application | |
|---|---|---|
| | Medium Temperature | Low temperature |
| Inside coldroom temperature | 0°C | -20°C |
| External ambient temperature | 35°C | |
| Load density of stored product | 250 kg/m$^3$ | |
| Average specific heat of stored | 0,77 kcal/kg | 0,44 kcal/kg |
| Operating time of the refrigeration system | 18 h | |
| Insulation thickness | Depending on the requirement | |
| Product temperature | 25°C | -5°C |
| Product daily turnover | Commercial 10% / Industrial 7% | |

V60 = max allowed volume with an insulation thickness of 60 mm
V80 = max allowed volume with an insulation thickness of 80 mm
V100 = max allowed volume with an insulation thickness of 100 mm
V120 = max allowed volume with an insulation thickness of 120 mm

SB

# Uniblock for mounting on the cooling room wall R134a MT / R452A LT


SB


Remote control

## The interior of the cooling room remains unaffected

› For small to mid size cold rooms
› Fast assembly / mounting
› Excellent space requirement vs. performance ratio
› Automatic warning upon condenser pollution
› New generation control panel: connection with classic remote management systems or Modbus system
› Low sound level due to acoustic insulation of the compressor chamber (optional)
› Units available on stock
› Discharge gas defrosting

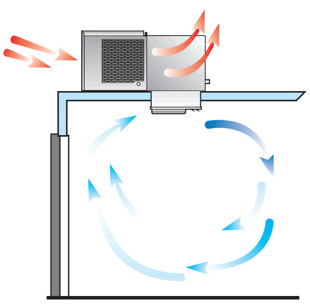
## How to select the right unit?

1. Select ambient temperature
2. Select cold room temperature
3. Select cold room/cooling volume (m3)
   › Find correct model

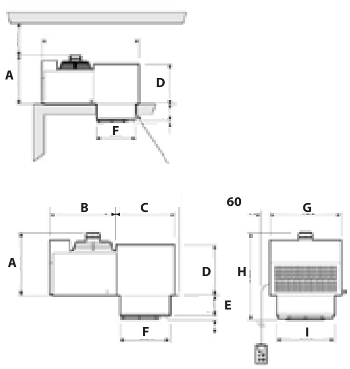
| Type | Volume Cold room / Refrigeration Capacity / R134a MT | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ta=25°C | | | | | | | | Ta=35°C | | | | | | | |
| | Cold room temperature | | | | | | | | Cold room temperature | | | | | | | |
| | -5°C | | 0°C | | +5°C | | +10°C | | -5°C | | 0°C | | +5°C | | +10°C | |
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| MGM10326E | 4,1 | 758 | 5,2 | 905 | 6,7 | 1070 | 8,3 | 1239 | 3,4 | 677 | 4,5 | 815 | 5,7 | 962 | 7,1 | 1100 |
| MGM10526E | 5,1 | 880 | 6,6 | 1055 | 8,3 | 1256 | 11 | 1481 | 4 | 753 | 5,3 | 914 | 7,1 | 1103 | 9 | 1280 |
| MGM10626E | 6,1 | 1001 | 8,0 | 1205 | 10 | 1416 | 12 | 1671 | 5 | 874 | 6,6 | 1047 | 8,3 | 1248 | 11 | 1466 |
| MGM10726E | 8 | 1188 | 10 | 1409 | 12 | 1628 | 14 | 1926 | 7 | 1038 | 8,3 | 1237 | 11 | 1453 | 13 | 1736 |
| MGM11026E | 8 | 1217 | 10 | 1443 | 12 | 1677 | 15 | 1984 | 7 | 1068 | 9 | 1283 | 11 | 1507 | 14 | 1807 |
| MGM21126E | 12 | 1580 | 14 | 1902 | 18 | 2246 | 23 | 2639 | 10 | 1406 | 13 | 1705 | 16 | 2030 | 20 | 2331 |
| MGM21227E | 13 | 1739 | 17 | 2165 | 22 | 2575 | 30 | 3150 | 12 | 1539 | 14 | 1927 | 20 | 2334 | 26 | 2804 |
| MGM21327E | 14 | 1911 | 19 | 2325 | 26 | 2806 | 33 | 3383 | 12 | 1666 | 17 | 2074 | 22 | 2484 | 28 | 3040 |
| MGM31527E | 24 | 2703 | 32 | 3256 | 39 | 3857 | 49 | 4643 | 21 | 2416 | 27 | 2964 | 34 | 3491 | 43 | 4193 |
| MGM32027E | 27 | 2956 | 35 | 3533 | 42 | 4133 | 52 | 4869 | 24 | 2667 | 31 | 3210 | 38 | 3774 | 46 | 4438 |

Insulation 60 mm

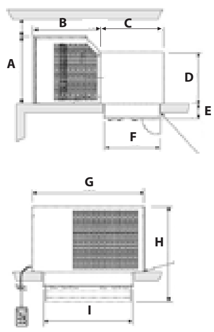
## Installation type



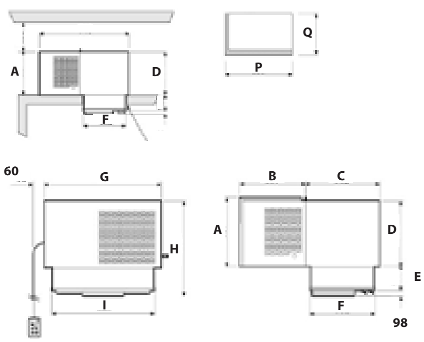
SB120




SB140




SB125-235




| | A | B | C | D | E | F | G | H | I | P | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SB120 | 378 | 470 | 301 | 307 | 147 | 301 | 430 | 525 | 350 | 355 | 306 |
| SB125 | 357 | 337 | 382 | 340 | 150 | 332 | 620 | 506 | 545 | 550 | 337 |
| SB225 | 390 | 427 | 382 | 360 | 150 | 332 | 820 | 540 | 745 | 750 | 337 |
| SB135 | 427 | 427 | 502 | 410 | 220 | 452 | 820 | 645 | 745 | 750 | 458 |
| SB140 | 540 | 540 | 502 | 410 | 122 | 452 | 920 | 760 | 745 | 750 | 458 |
| SB235 | 542 | 542 | 502 | 520 | 220 | 452 | 1075 | 785 | 1000 | 1015 | 458 |

# Uniblock for mounting on the cooling room wall

## R134a MT

Insulation 60 mm

| Type | Volume Cold room / Refrigeration Capacity / R134a MT | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ta=25°C | | | | | | | | Ta=35°C | | | | | | | |
| | Cold room temperature | | | | | | | | Cold room temperature | | | | | | | |
| | -5°C | | 0°C | | +5°C | | +10°C | | -5°C | | 0°C | | +5°C | | +10°C | |
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| MSB120TO261E | 3,5 | 773 | 4,6 | 921 | 6,1 | 1087 | 7,8 | 1265 | 2,7 | 661 | 3,7 | 806 | 4,8 | 944 | 6,4 | 1125 |
| MSB125N261E | 5,2 | 997 | 7,1 | 1198 | 9,1 | 1400 | 12 | 1633 | 3,9 | 850 | 5,6 | 1046 | 7,3 | 1233 | 9,1 | 1457 |
| MSB125T261E | 7,1 | 1201 | 9,1 | 1428 | 12 | 1633 | 14 | 1885 | 5,6 | 1057 | 7,4 | 1248 | 9,1 | 1449 | 12 | 1733 |
| MSB225N261E | 10 | 1588 | 13 | 1904 | 17 | 2258 | 21 | 2602 | 7,9 | 1389 | 11 | 1704 | 14 | 1449 | 17 | 2327 |
| MSB225T38E | 12 | 1749 | 15 | 2152 | 21 | 2583 | 27 | 3100 | 9,1 | 1527 | 13 | 1919 | 17 | 2315 | 23 | 2804 |
| MSB135N38E | 22 | 2840 | 31 | 3461 | 39 | 4118 | 48 | 4825 | 19 | 2540 | 26 | 3100 | 33 | 3679 | 42 | 4324 |
| MSB135T38E | 26 | 3115 | 34 | 3741 | 42 | 4372 | 52 | 5065 | 22 | 2823 | 30 | 3383 | 37 | 3947 | 46 | 4607 |
| MSB140T38E | 29 | 3336 | 39 | 4081 | 50 | 4926 | 62 | 5885 | 22 | 2799 | 32 | 3526 | 42 | 4348 | 54 | 5265 |
| MSB235T38E | 37 | 4137 | 52 | 5217 | 68 | 6419 | 85 | 7632 | 30 | 3523 | 43 | 4578 | 57 | 5647 | 72 | 6727 |

Insulation 80 mm

| | -5°C | | 0°C | | +5°C | | +10°C | | -5°C | | 0°C | | +5°C | | +10°C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| MSB120TO261E | 3,8 | 773 | 5,1 | 921 | 6,6 | 1087 | 8,6 | 1265 | 2,9 | 661 | 4,0 | 806 | 5,3 | 944 | 7,0 | 1125 |
| MSB125N261E | 5,7 | 997 | 7,7 | 1198 | 10 | 1400 | 13 | 1633 | 4,3 | 850 | 6,1 | 1046 | 8,0 | 1233 | 10 | 1457 |
| MSB125T261E | 7,7 | 1201 | 10 | 1428 | 13 | 1633 | 15 | 1885 | 6,2 | 1057 | 8,1 | 1248 | 10 | 1449 | 14 | 1733 |
| MSB225N261E | 11 | 1588 | 15 | 1904 | 18 | 2258 | 23 | 2602 | 8,6 | 1389 | 12 | 1704 | 15 | 1449 | 19 | 2327 |
| MSB225T38E | 13 | 1749 | 16 | 2152 | 23 | 2583 | 30 | 3100 | 10 | 1527 | 15 | 1919 | 19 | 2315 | 25 | 2804 |
| MSB135N38E | 25 | 2840 | 34 | 3461 | 43 | 4118 | 53 | 4825 | 21 | 2540 | 28 | 3100 | 36 | 3679 | 45 | 4324 |
| MSB135T38E | 29 | 3115 | 37 | 3741 | 46 | 4372 | 56 | 5065 | 25 | 2823 | 33 | 3383 | 40 | 3947 | 50 | 4607 |
| MSB140T38E | 32 | 3336 | 43 | 4081 | 55 | 4926 | 68 | 5885 | 25 | 2799 | 35 | 3526 | 46 | 4348 | 59 | 5265 |
| MSB235T38E | 41 | 4137 | 57 | 5217 | 75 | 6419 | 93 | 7632 | 33 | 3523 | 47 | 4578 | 63 | 5647 | 79 | 6727 |

Insulation 100 mm

| | -5°C | | 0°C | | +5°C | | +10°C | | -5°C | | 0°C | | +5°C | | +10°C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| MSB120TO261E | 4,2 | 773 | 5,6 | 921 | 7,3 | 1087 | 9,4 | 1265 | 3,2 | 661 | 4,4 | 806 | 5,8 | 944 | 7,7 | 1125 |
| MSB125N261E | 6,3 | 997 | 8,5 | 1198 | 11 | 1400 | 14 | 1633 | 4,7 | 850 | 6,7 | 1046 | 8,8 | 1233 | 11 | 1457 |
| MSB125T261E | 8,5 | 1201 | 11 | 1428 | 14 | 1633 | 17 | 1885 | 6,8 | 1057 | 8,9 | 1248 | 11 | 1449 | 15 | 1733 |
| MSB225N261E | 12 | 1588 | 16 | 1904 | 20 | 2258 | 25 | 2602 | 9,5 | 1389 | 13 | 1704 | 17 | 1449 | 21 | 2327 |
| MSB225T38E | 14 | 1749 | 18 | 2152 | 25 | 2583 | 33 | 3100 | 11 | 1527 | 16 | 1919 | 21 | 2315 | 28 | 2804 |
| MSB135N38E | 27 | 2840 | 37 | 3461 | 47 | 4118 | 58 | 4825 | 23 | 2540 | 31 | 3100 | 40 | 3679 | 50 | 4324 |
| MSB135T38E | 32 | 3115 | 41 | 3741 | 51 | 4372 | 62 | 5065 | 27 | 2823 | 36 | 3383 | 44 | 3947 | 55 | 4607 |
| MSB140T38E | 35 | 3336 | 47 | 4081 | 60 | 4926 | 75 | 5885 | 27 | 2799 | 38 | 3526 | 51 | 4348 | 65 | 5265 |
| MSB235T38E | 45 | 4137 | 63 | 5217 | 82 | 6419 | 102 | 7632 | 36 | 3523 | 52 | 4578 | 69 | 5647 | 87 | 6727 |

## R452A LT

Insulation 80 mm

| Type | Volume Cold room / Refrigeration Capacity / R452A LT | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ta=25°C | | | | | | Ta=35°C | | | | | |
| | Cold room temperature | | | | | | Cold room temperature | | | | | |
| | -25°C | | -20°C | | -15°C | | -25°C | | -20°C | | -15°C | |
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| BSB120NO261D | 1,2 | 549 | 1,9 | 670 | 2,6 | 786 | 0,9 | 474 | 1,3 | 583 | 2,0 | 687 |
| BSB125T261D | 3,4 | 927 | 4,9 | 1107 | 6,4 | 1272 | 2,4 | 784 | 3,6 | 951 | 4,9 | 1113 |
| BSB225T38D | 7,8 | 1521 | 11 | 1825 | 14 | 2147 | 5,5 | 1277 | 8,6 | 1569 | 12 | 1861 |
| BSB135T38D | 14 | 2167 | 20 | 2675 | 27 | 3136 | 10 | 1854 | 14 | 2272 | 21 | 2720 |

Insulation 100 mm

| | -25°C | | -20°C | | -15°C | | -25°C | | -20°C | | -15°C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| BSB120NO261D | 1,3 | 549 | 2,1 | 670 | 2,9 | 786 | 1,0 | 474 | 1,5 | 583 | 2,2 | 687 |
| BSB125T261D | 3,9 | 927 | 5,6 | 1107 | 7,3 | 1272 | 2,8 | 784 | 4,1 | 951 | 5,6 | 1113 |
| BSB225T38D | 8,9 | 1521 | 12 | 1825 | 16 | 2147 | 6,2 | 1277 | 9,8 | 1569 | 13 | 1861 |
| BSB135T38D | 16 | 2167 | 23 | 2675 | 31 | 3136 | 12 | 1854 | 16 | 2272 | 24 | 2720 |

Insulation 120 mm

| | -25°C | | -20°C | | -15°C | | -25°C | | -20°C | | -15°C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W | m3 | W |
| BSB120NO261D | 1,5 | 549 | 2,4 | 670 | 3,3 | 786 | 1,1 | 474 | 1,7 | 583 | 2,5 | 687 |
| BSB125T261D | 4,4 | 927 | 6,3 | 1107 | 8,2 | 1272 | 3,1 | 784 | 4,6 | 951 | 6,3 | 1113 |
| BSB225T38D | 10 | 1521 | 14 | 1825 | 18 | 2147 | 7 | 1277 | 11 | 1569 | 15 | 1861 |
| BSB135T38D | 18 | 2167 | 26 | 2675 | 35 | 3136 | 13 | 1854 | 18 | 2272 | 27 | 2720 |

| Conditions for calculated volumes | Commercial and Industrial application | |
|---|---|---|
| | Medium Temperature | Low temperature |
| Inside coldroom temperature | 0°C | -20°C |
| External ambient temperature | 35°C | |
| Load density of stored product | 250 kg/m$^3$ | |
| Average specific heat of stored | 0,77 kcal/kg | 0,44 kcal/kg |
| Operating time of the refrigeration system | 18 h | |
| Insulation thickness | Depending on the requirement | |
| Product temperature | 25°C | -5°C |
| Product daily turnover | Commercial 10% / Industrial 7% | |

V60 = max allowed volume with an insulation thickness of 60 mm
V80 = max allowed volume with an insulation thickness of 80 mm
V100 = max allowed volume with an insulation thickness of 100 mm
V120 = max allowed volume with an insulation thickness of 120 mm

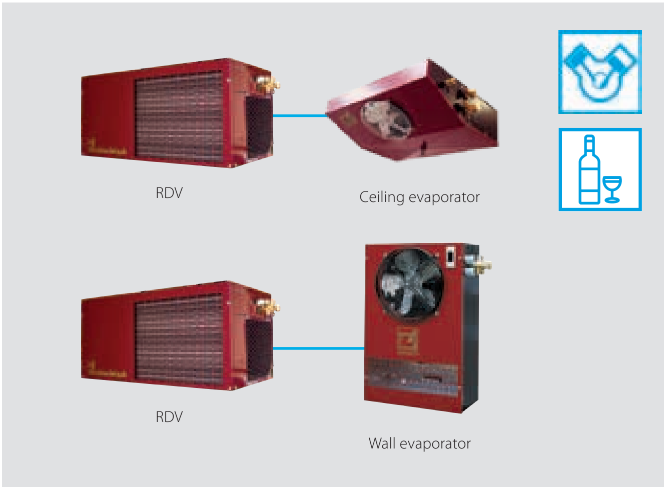
RCV/RDV

# Monoblock and Bi-block units for wine storage rooms / R134a

Ensures optimal conditions for wine conservation and Refinement

› Alternatively with or without humidification (carbon filter needed for humidification)
› Suitable for small to medium sized rooms
› Ensuring optimal temperature
› Optimal humidity through humidification and / or permanent air circulation
› Silent and economical operation
› TEV
› Discharge gas defrosting
› HP and LP switch (standard)
› Units available on stock
› Equipped with filter dryer and sight glass (for RDV units)
› The user- friendly, pre-programmed electronic control unit regulates
› temperature as well as humidity (for RDV units)


RCV



RDV

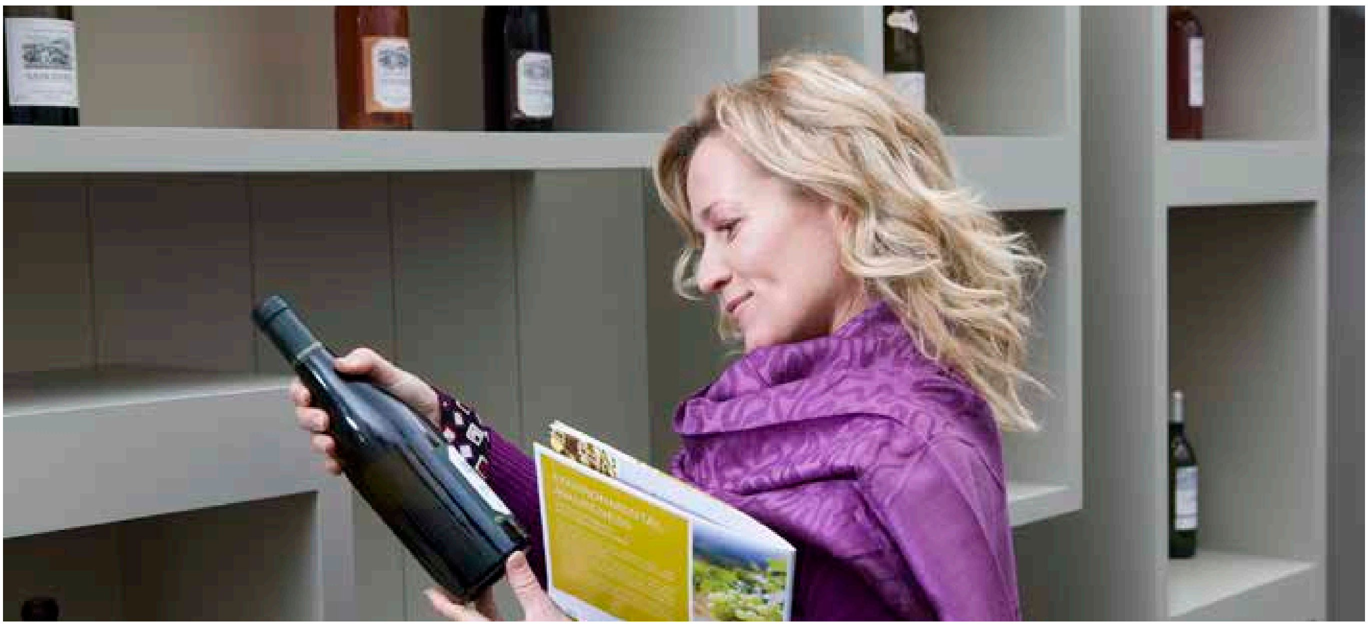
Ceiling evaporator

RDV

Wall evaporator

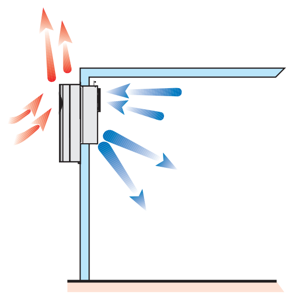
| Type | Volume Cold room* / Refrigeration Capacity / R134a MT | |
|---|---|---|
| | Ta=30°C | |
| | Cold room temperature | |
| | +14°C | |
| | m3 | W |
| RCV101002E | 25 | 600 |
| RDV101002E | | |
| RDV101022E | | |
| RCV102002E | 45 | 1000 |
| RDV102002E | | |
| RDV102022E | | |
| RCV201002E | 60 | 1400 |
| RDV201002E | | |
| RDV201022E | | |
| RCV202002E | 100 | 2300 |
| RDV202002E | | |
| RDV202022E | | |

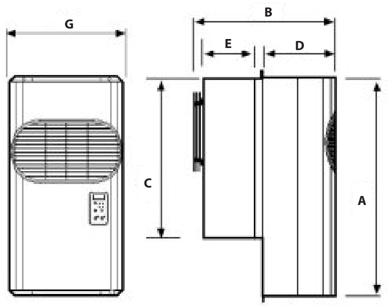
Insulation 60 mm

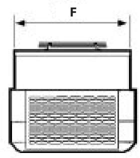


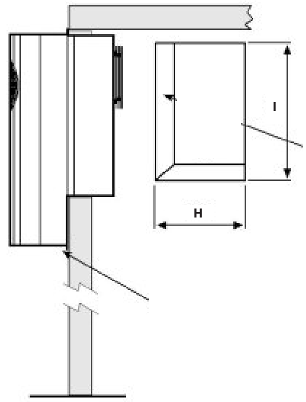
# Monoblock unit for wine storage rooms / R134a

## RCV





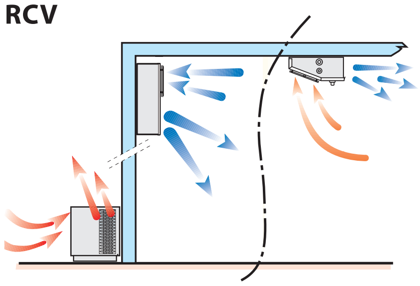




| | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| RCV1 | 735 | 435 | 570 | 215 | 182 | 375 | 400 | 380 | 575 |
| RCV2 | 735 | 435 | 570 | 215 | 182 | 595 | 620 | 600 | 575 |

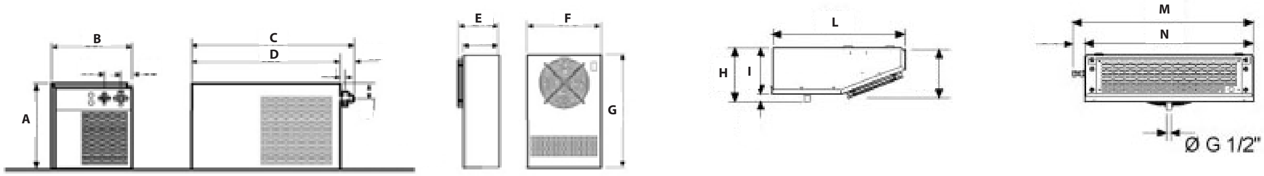
# Bi-block unit for wine storage rooms / R134a

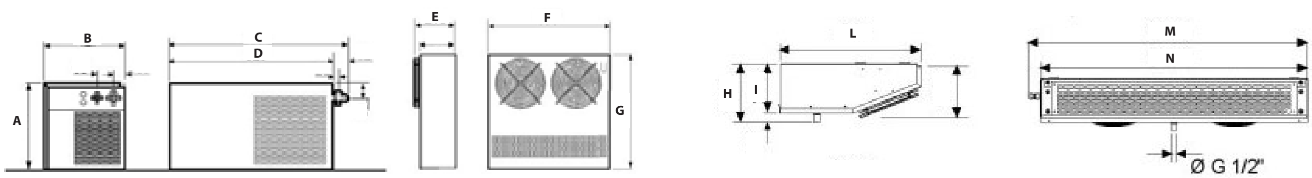
## RCV

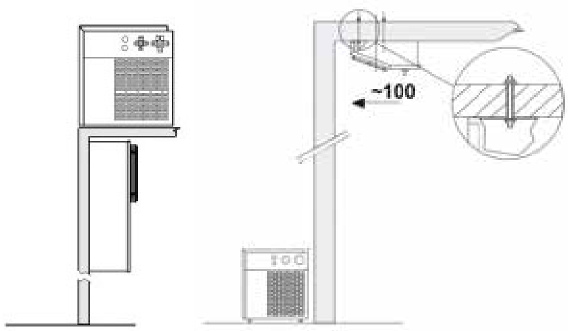


Wall evaporator

Ceiling evaporator



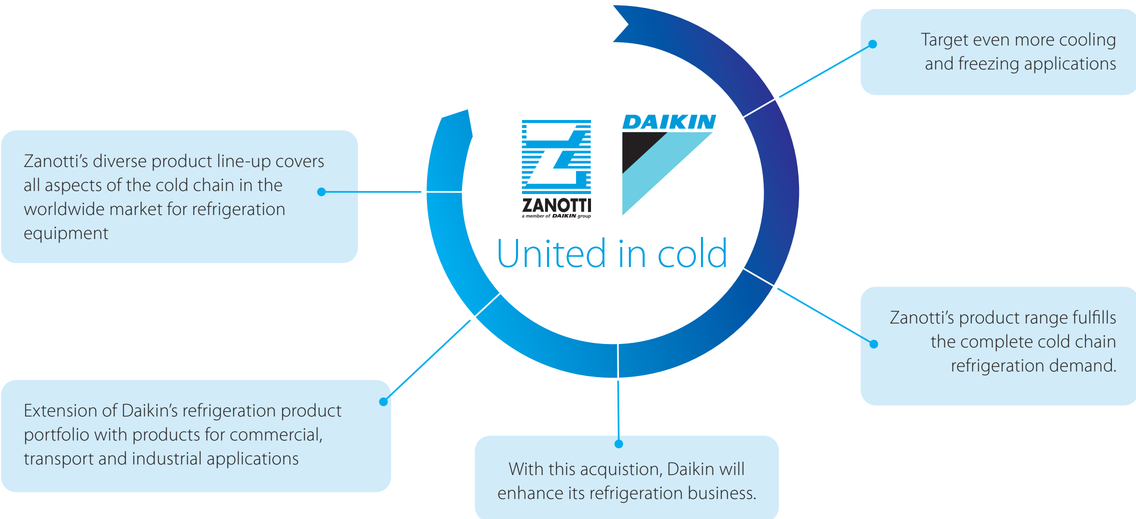




| | A | B | C | D | E | F | G | H | I | L | M | N | P | Q | R | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RDV1 | 357 | 337 | 682 | 620 | 210 | 375 | 570 | 215 | 175 | 490 | 669 | 614 | 330 | 420 | 21 | 47 |
| RDV2 | 390 | 427 | 882 | 820 | 210 | 595 | 570 | 215 | 175 | 490 | 1089 | 1034 | 550 | 420 | 21 | 47 |

| ***Conditions for calculated volumes** | **WINE STORAGE** High temperature |
|---|---|
| Inside coldroom temperature | 14°C |
| External ambient temperature | 30°C |
| Load density of stored product | 80 kg/m³ |
| Operating time of the refrigeration system | 20 h |
| Insulation thickness | (polyurethane foam) 60mm |
| Product temperature | 18°C |
| Product daily turnover | 5% |

For different conditions, like glass walls contact our tech dept.





**DAIKIN AIRCONDITIONING CENTRAL EUROPE HandelsgmbH**

Lemböckgasse 59/1/1, 1230 Vienna, Austria · Tel.: + 43 (0) 1 253 21 11 · e-mail: office@daikin-ce.com · www.daikin-ce.com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