



### Company Profile

HOW Cool is a professional refrigeration engineering company which sets up in 2009 and has passed ISO9001. We specialize in assembly cold storage, cold room, refrigerators, freezer, and manufacture refrigeration equipment. Our company supplies continuous services of cold storage design, solutions providing, construction, installation and maintenance.

Our products include medicine cold storage, fruit and vegetable storage, quick-frozen cold storage, fresh cold storage, dual temperature refrigerators, CA cold storage, logistics cold storage etc .At the same time we can design products according to customers' demands.

Our products are widely used in food industry, logistics and cold chain transportation, pharmaceuticals industry, agriculture and animal husbandry, aquatic products industry etc.

HOW Cool utilizes scientific concept of cold storage engineering design, professional computer aided simulation system and specialized refrigeratory construction schemes. Now our excellent products and service have win good reputation in the masses of customers and counterparts.

We construct many kinds of cold storage and export many refrigeration equipments to foreign countries. Our good products and services have been well- recognized by many foreign customers such as, America, Germany, Japan, New Zealand and many other foreigncountries.

HOW Cool sincerely hope to cooperate with friends worldwide and develop a more prosperous future!



For green, for environmental, we are striving for...

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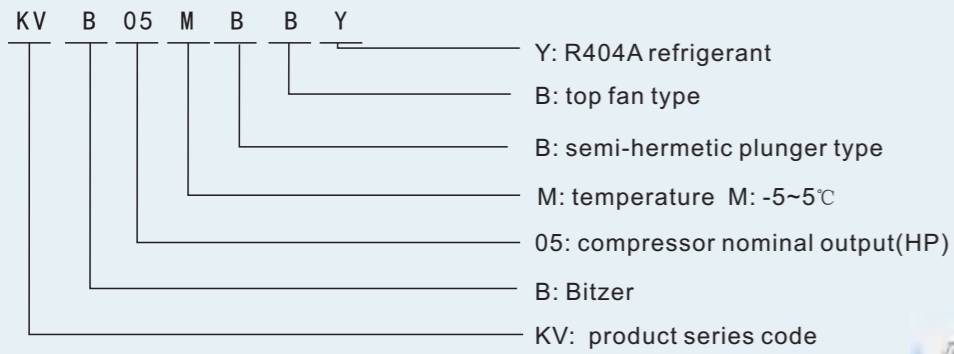


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### Evaporators

Bitzer Middle and High Temperature Air-cooled Condensing Unit/Refrigerant:R22

KVB series semi-hermetic box type condensing unit (Bitzer)



Refrigeration Unit Configuration:

Bitzer semi-hermetic compressor; Crankcase heater; Condensing unit; Reservoir; Strainer; Magnetic valve; Pressure controller; High and low voltage table; Interface valve; Junction box



II Technical Data

Bitzer Middle and High Temperature Condensing Unit

Refrigerant: R22

| Unit Model                     | KVB03MBB                  | KVB04MBB    | KVB05MBB | KVB06MBB | KVB07MBB |       |       |
|--------------------------------|---------------------------|-------------|----------|----------|----------|-------|-------|
| Temperature(°C)                | -5°C ~5                   |             |          |          |          |       |       |
| Refrigerant                    | R22                       |             |          |          |          |       |       |
| Power                          | 380V/three phase/50Hz     |             |          |          |          |       |       |
| Compressor Model               | 2DES3                     | 2CES4       | 4FES5    | 4EES6    | 4DES7    |       |       |
| Condenser                      | Fanmotor Quantity         | 1           | 1        | 2        | 2        |       |       |
|                                | Voltage(V)                | 380         | 380      | 380      | 380      |       |       |
|                                | Power(W)                  | 250         | 250      | 200×2    | 200×2    | 200×2 |       |
| Compressor capacity and input  | 0°C                       | Capacity(W) | 8250     | 10130    | 11730    | 14390 | 17550 |
|                                |                           | Power(KW)   | 3.23     | 3.99     | 4.45     | 5.56  | 6.57  |
|                                | -5°C                      | Capacity(W) | 6610     | 8140     | 9400     | 11550 | 14110 |
|                                |                           | Power(KW)   | 2.98     | 3.67     | 4.12     | 5.12  | 6.14  |
|                                | -10°C                     | Capacity(W) | 5200     | 6430     | 7390     | 9110  | 11150 |
|                                |                           | Power(KW)   | 2.72     | 3.33     | 3.76     | 4.65  | 5.65  |
| Connector                      | Air suction connector(mm) | φ 22        | φ 22     | φ 22     | φ 28     | φ 28  |       |
|                                | Feed flew connector(mm)   | φ 12        | φ 12     | φ 12     | φ 12     | φ 12  |       |
| Overall Dimension              | L (mm)                    | 900         | 900      | 1030     | 1030     | 1030  |       |
|                                | W (mm)                    | 780         | 780      | 880      | 880      | 880   |       |
|                                | H (mm)                    | 740         | 740      | 740      | 740      | 740   |       |
| Installation Dimension(AxB) mm | 450×750                   | 450×750     | 600×850  | 600×850  | 600×850  |       |       |

Bitzer Middle and High Temperature Air-cooled Condensing Unit/Refrigerant:R22  
Unit Technical Data R22

| Unit Model                     | KVB10MBB                  | KVB12MBB    | KVB15MBB | KVB20MBB | KVB25MBB  |       |       |
|--------------------------------|---------------------------|-------------|----------|----------|-----------|-------|-------|
| Temperature(°C)                | -5°C ~5 °C                |             |          |          |           |       |       |
| Refrigerant                    | R22                       |             |          |          |           |       |       |
| Power                          | 380V/three phase/50Hz     |             |          |          |           |       |       |
| Compressor Model               | 4VES10                    | 4TES12      | 4PES15   | 4NES20   | 4HE25     |       |       |
| Condenser                      | Fanmotor Quantity         | 2           | 2        | 2        | 2         |       |       |
|                                | Voltage(V)                | 380         | 380      | 380      | 380       |       |       |
|                                | Power(W)                  | 250×2       | 450×2    | 600×2    | 600×2     | 800×2 |       |
| Compressor capacity and input  | 0°C                       | Capacity(W) | 23000    | 27800    | 33300     | 38600 | 50300 |
|                                |                           | Power(KW)   | 7.97     | 9.8      | 11.23     | 13.65 | 17.25 |
|                                | -5°C                      | Capacity(W) | 18720    | 22600    | 27000     | 31300 | 40900 |
|                                |                           | Power(KW)   | 7.43     | 9.13     | 10.45     | 12.6  | 16.1  |
|                                | -10°C                     | Capacity(W) | 14990    | 18120    | 21600     | 25100 | 32800 |
|                                |                           | Power(KW)   | 6.82     | 8.39     | 9.6       | 11.46 | 14.83 |
| Connector                      | Air suction connector(mm) | φ 28        | φ 35     | φ 35     | φ 42      | φ 54  |       |
|                                | Feed flew connector(mm)   | φ 16        | φ 16     | φ 22     | φ 22      | φ 22  |       |
| Overall Dimension              | L (mm)                    | 1550        | 1550     | 1550     | 1550      | 1860  |       |
|                                | W (mm)                    | 965         | 965      | 965      | 965       | 1090  |       |
|                                | H (mm)                    | 1700        | 1700     | 1700     | 1700      | 1800  |       |
| Installation Dimension(AxB) mm | 1000×915                  | 1000×915    | 1000×915 | 1000×915 | 1400×1040 |       |       |

Bitzer Middle and High Temperature Air-cooled Condensing Unit

| Unit Model                     | KVB30MBB                  | KVB35MBB    | KVB40MBB    | KVB50MBB    |       |        |
|--------------------------------|---------------------------|-------------|-------------|-------------|-------|--------|
| Temperature(°C)                | -5°C ~5 °C                |             |             |             |       |        |
| Refrigerant                    | R22                       |             |             |             |       |        |
| Power                          | 380V/three phase/50Hz     |             |             |             |       |        |
| Compressor Model               | 4GE30                     | 6HE35       | 6GE40       | 6FE50       |       |        |
| Condenser                      | Fanmotor Quantity         | 2           | 3           | 3           |       |        |
|                                | Voltage(V)                | 380         | 380         | 380         |       |        |
|                                | Power(W)                  | 800×2       | 800×3       | 800×3       |       |        |
| Compressor capacity and input  | 0°C                       | Capacity(W) | 57700       | 75600       | 86600 | 102500 |
|                                |                           | Power(KW)   | 20.4        | 25.9        | 30.7  | 37.9   |
|                                | -5°C                      | Capacity(W) | 46900       | 61400       | 70400 | 83500  |
|                                |                           | Power(KW)   | 19.04       | 24.2        | 28.6  | 35.5   |
|                                | -10°C                     | Capacity(W) | 37600       | 49200       | 56500 | 67300  |
|                                |                           | Power(KW)   | 17.57       | 22.3        | 26.4  | 32.8   |
| Connector                      | Air suction connector(mm) | φ 54        | φ 54        | φ 54        | φ 54  |        |
|                                | Feed flew connector(mm)   | φ 22        | φ 28        | φ 28        | φ 28  |        |
| Overall Dimension              | L (mm)                    | 1860        | 2660        | 2660        | 2660  |        |
|                                | W (mm)                    | 1090        | 1090        | 1090        | 1090  |        |
|                                | H (mm)                    | 1800        | 1800        | 1800        | 1800  |        |
| Installation Dimension(AxB) mm | 1400×1040                 | 2*1100×1040 | 2*1100×1040 | 2*1100×1040 |       |        |

### Bitzer Middle and High Temperature Air-cooled Condensing Unit R22 Refrigerant

| Unit Model                      |                           | KVB03LBB              | KVB04LBB | KVB05LBB | KVB06LBB |      |
|---------------------------------|---------------------------|-----------------------|----------|----------|----------|------|
| Temperature(°C)                 |                           | -15°C ~ 20 °C         |          |          |          |      |
| Refrigerant                     |                           | R22                   |          |          |          |      |
| Power                           |                           | 380V/three phase/50Hz |          |          |          |      |
| Compressor Model                |                           | 2CES3                 | 4EES4    | 4DES5    | 4CES6    |      |
| Condenser                       | Fanmotor Quantity         | 1                     | 2        | 2        | 2        |      |
|                                 | Voltage(V)                | 380                   | 380      | 380      | 380      |      |
|                                 | Power(W)                  | 180                   | 180×2    | 180×2    | 180×2    |      |
| Compressor capacity and input   | -20°C                     | Capacity(W)           | 4230     | 5860     | 6930     | 7940 |
|                                 |                           | Power(KW)             | 2.79     | 4.01     | 4.67     | 5.67 |
|                                 | -25°C                     | Capacity(W)           | 3150     | 4430     | 5260     | 5780 |
|                                 |                           | Power(KW)             | 2.46     | 3.57     | 4.23     | 5.0  |
|                                 | -30°C                     | Capacity(W)           | 2280     | 3250     | 3880     | ---  |
|                                 |                           | Power(KW)             | 2.19     | 3.04     | 3.82     | ---  |
| Connector                       | Air suction connector(mm) | φ 22                  | φ 22     | φ 28     | φ 28     |      |
|                                 | Feed flew connector(mm)   | φ 12                  | φ 12     | φ 12     | φ 12     |      |
| Overall Dimension               | L (mm)                    | 900                   | 1030     | 1030     | 1030     |      |
|                                 | W (mm)                    | 780                   | 880      | 880      | 880      |      |
|                                 | H (mm)                    | 740                   | 740      | 740      | 740      |      |
| Installation Dimension (AxB) mm |                           | 450×750               | 600×850  | 600×850  | 600×850  |      |

#### Technical Data R22

| Unit Model                      |                           | KVB09LBB              | KVB12LBB | KVB14LBB | KVB18LBB |       |
|---------------------------------|---------------------------|-----------------------|----------|----------|----------|-------|
| Temperature(°C)                 |                           | -15°C ~ 20 °C         |          |          |          |       |
| Refrigerant                     |                           | R22                   |          |          |          |       |
| Power                           |                           | 380V/three phase/50Hz |          |          |          |       |
| Compressor Model                |                           | 4TES9                 | 4PES12   | 4NES14   | 4HE18    |       |
| Condenser                       | Fanmotor Quantity         | 2                     | 2        | 2        | 2        |       |
|                                 | Voltage(V)                | 380                   | 380      | 380      | 380      |       |
|                                 | Power(W)                  | 250×2                 | 250×2    | 250×2    | 450×2    |       |
| Compressor capacity and input   | -20°C                     | Capacity(W)           | 11330    | 13140    | 15500    | 19790 |
|                                 |                           | Power(KW)             | 6.87     | 7.88     | 9.2      | 12.5  |
|                                 | -25°C                     | Capacity(W)           | 8550     | 9930     | 11600    | 14910 |
|                                 |                           | Power(KW)             | 6.09     | 6.91     | 8.09     | 10.85 |
|                                 | -30°C                     | Capacity(W)           | 6260     | 7250     | 8460     | 10820 |
|                                 |                           | Power(KW)             | 5.25     | 5.89     | 6.94     | 9.21  |
| Connector                       | Air suction connector(mm) | φ 35                  | φ 35     | φ 35     | φ 42     |       |
|                                 | Feed flew connector(mm)   | φ 16                  | φ 16     | φ 22     | φ 22     |       |
| Overall Dimension               | L (mm)                    | 1350                  | 1350     | 1350     | 1550     |       |
|                                 | W (mm)                    | 800                   | 800      | 800      | 965      |       |
|                                 | H (mm)                    | 1440                  | 1440     | 1440     | 1700     |       |
| Installation Dimension (AxB) mm |                           | 1000×750              | 1000×750 | 1000×750 | 1000×915 |       |

### Bitzer Middle and High Temperature Air-cooled Condensing Unit

#### Technical Data R22

| Unit Model                     |                           | KVB23LBB              | KVB28LBB | KVB34LBB  | KVB44LBB  |       |
|--------------------------------|---------------------------|-----------------------|----------|-----------|-----------|-------|
| Temperature(°C)                |                           | -15°C ~ 20 °C         |          |           |           |       |
| Refrigerant                    |                           | R22                   |          |           |           |       |
| Power                          |                           | 380V/three phase/50Hz |          |           |           |       |
| Compressor Model               |                           | 4GE23                 | 6HE28    | 6GE34     | 6FE44     |       |
| Condenser                      | Fanmotor Quantity         | 2                     | 2        | 2         | 2         |       |
|                                | Voltage(V)                | 380                   | 380      | 380       | 380       |       |
|                                | Power(W)                  | 600×2                 | 600×2    | 800×2     | 800×2     |       |
| Compressor capacity and input  | -20°C                     | Capacity(W)           | 23000    | 29700     | 34500     | 41500 |
|                                |                           | Power(KW)             | 14.83    | 18.75     | 22.2      | 27    |
|                                | -25°C                     | Capacity(W)           | 17330    | 22400     | 26000     | 31400 |
|                                |                           | Power(KW)             | 13.14    | 16.28     | 19.71     | 23.7  |
|                                | -30°C                     | Capacity(W)           | 12600    | 16240     | 18900     | 23000 |
|                                |                           | Power(KW)             | 11.23    | 13.81     | 16.85     | 20.2  |
| Connector                      | Air suction connector(mm) | φ 54                  | φ 54     | φ 54      | φ 54      |       |
|                                | Feed flew connector(mm)   | φ 22                  | φ 22     | φ 22      | φ 28      |       |
| Overall Dimension              | L (mm)                    | 1550                  | 1550     | 1860      | 1860      |       |
|                                | W (mm)                    | 965                   | 965      | 1090      | 1090      |       |
|                                | H (mm)                    | 1700                  | 1700     | 1800      | 1800      |       |
| Installation Dimension(AxB) mm |                           | 1000×915              | 1000×915 | 1400×1040 | 1400×1040 |       |

#### Condensing Unit Appearance Schematic Diagram



Condensing Unit On Site



Finished Condensing Unit Installation



Finished Condensing Unit Installation



### Bitzer Middle and High Temperature Air-cooled Condensing Unit R404A Refrigerant

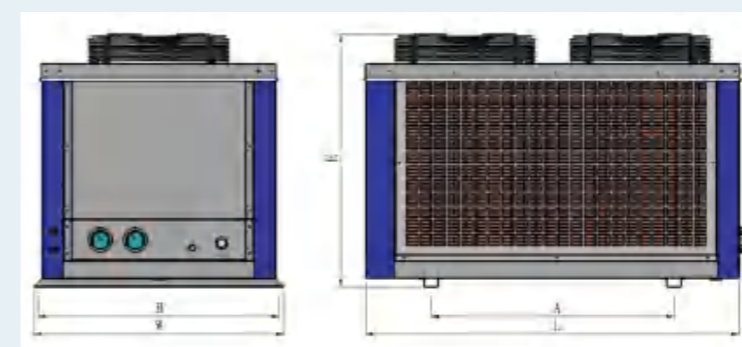
| Unit Model                      |                           | KVB03MBBY             | KVB04MBBY | KVB05MBBY | KVB06MBBY | KVB07MBBY |       |
|---------------------------------|---------------------------|-----------------------|-----------|-----------|-----------|-----------|-------|
| Temperature(°C)                 |                           | -5°C ~ 5 °C           |           |           |           |           |       |
| Refrigerant                     |                           | R404A                 |           |           |           |           |       |
| Power                           |                           | 380V/three phase/50Hz |           |           |           |           |       |
| Compressor Model                |                           | 2DES3Y                | 2CES4Y    | 4FES5Y    | 4EES6Y    | 4DES7Y    |       |
| Condenser                       | Fanmotor Quantity         | 1                     | 1         | 2         | 2         | 2         |       |
|                                 | Voltage(V)                | 380                   | 380       | 380       | 380       | 380       |       |
|                                 | Power(W)                  | 250                   | 250       | 200×2     | 200×2     | 200×2     |       |
| Compressor capacity and input   | 0°C                       | Capacity(W)           | 8060      | 9860      | 10880     | 13740     | 16320 |
|                                 |                           | Power(KW)             | 3.8       | 4.68      | 5.07      | 6.37      | 7.46  |
|                                 | -5°C                      | Capacity(W)           | 6480      | 7950      | 8760      | 11050     | 13120 |
|                                 |                           | Power(KW)             | 3.55      | 4.36      | 4.75      | 5.95      | 7.0   |
|                                 | -10°C                     | Capacity(W)           | 5140      | 6330      | 6960      | 8770      | 10400 |
|                                 |                           | Power(KW)             | 3.27      | 4.01      | 4.39      | 5.47      | 6.46  |
| Connector                       | Air suction connector(mm) | φ 22                  | φ 22      | φ 22      | φ 28      | φ 28      |       |
|                                 | Feed flew connector(mm)   | φ 12                  | φ 12      | φ 12      | φ 12      | φ 12      |       |
| Overall Dimension               | L (mm)                    | 900                   | 900       | 1030      | 1030      | 1030      |       |
|                                 | W (mm)                    | 780                   | 780       | 880       | 880       | 880       |       |
|                                 | H (mm)                    | 740                   | 740       | 740       | 740       | 740       |       |
| Installation Dimension (AxB) mm |                           | 450×750               | 450×750   | 600×850   | 600×850   | 600×850   |       |

#### Technical Data R404A

| Unit Model                      |                           | KVB10MBBY             | KVB12MBBY | KVB15MBBY | KVB20MBBY | KVB25MBBY |       |
|---------------------------------|---------------------------|-----------------------|-----------|-----------|-----------|-----------|-------|
| Temperature(°C)                 |                           | -5°C ~ 5 °C           |           |           |           |           |       |
| Refrigerant                     |                           | R404A                 |           |           |           |           |       |
| Power                           |                           | 380V/three phase/50Hz |           |           |           |           |       |
| Compressor Model                |                           | 4VES10Y               | 4TES12Y   | 4PES15Y   | 4NES20Y   | 4HE25Y    |       |
| Condenser                       | Fanmotor Quantity         | 2                     | 2         | 2         | 2         | 2         |       |
|                                 | Voltage(V)                | 380                   | 380       | 380       | 380       | 380       |       |
|                                 | Power(W)                  | 250×2                 | 450×2     | 600×2     | 600×2     | 800×2     |       |
| Compressor capacity and input   | 0°C                       | Capacity(W)           | 21300     | 25600     | 30800     | 35900     | 46900 |
|                                 |                           | Power(KW)             | 9.13      | 11.2      | 12.8      | 15.2      | 20.8  |
|                                 | -5°C                      | Capacity(W)           | 17050     | 20600     | 24700     | 28700     | 37800 |
|                                 |                           | Power(KW)             | 8.44      | 10.33     | 11.73     | 13.95     | 19.3  |
|                                 | -10°C                     | Capacity(W)           | 13450     | 16320     | 19490     | 22600     | 30100 |
|                                 |                           | Power(KW)             | 7.68      | 9.42      | 10.66     | 12.63     | 17.7  |
| Connector                       | Air suction connector(mm) | φ 28                  | φ 35      | φ 35      | φ 42      | φ 54      |       |
|                                 | Feed flew connector(mm)   | φ 16                  | φ 16      | φ 22      | φ 22      | φ 22      |       |
| Overall Dimension               | L (mm)                    | 1550                  | 1550      | 1550      | 1550      | 1860      |       |
|                                 | W (mm)                    | 965                   | 965       | 965       | 965       | 1090      |       |
|                                 | H (mm)                    | 1700                  | 1700      | 1700      | 1700      | 1800      |       |
| Installation Dimension (AxB) mm |                           | 1000×915              | 1000×915  | 1000×915  | 1000×915  | 1400×1040 |       |

### Bitzer Middle and High Temperature Air-cooled Condensing Unit R404A

| Unit Model                      |                           | KVB30MBBY             | KVB35MBBY   | KVB40MBBY   | KVB50MBBY   |       |
|---------------------------------|---------------------------|-----------------------|-------------|-------------|-------------|-------|
| Temperature(°C)                 |                           | -5°C ~ 5 °C           |             |             |             |       |
| Refrigerant                     |                           | R404A                 |             |             |             |       |
| Power                           |                           | 380V/three phase/50Hz |             |             |             |       |
| Compressor Model                |                           | 4GE30Y                | 6HE35Y      | 6GE40Y      | 6FE50Y      |       |
| Condenser                       | Fanmotor Quantity         | 2                     | 3           | 3           | 3           |       |
|                                 | Voltage(V)                | 380                   | 380         | 380         | 380         |       |
|                                 | Power(W)                  | 800×2                 | 800×3       | 800×3       | 800×3       |       |
| Compressor capacity and input   | 0°C                       | Capacity(W)           | 54100       | 70300       | 80900       | 95600 |
|                                 |                           | Power(KW)             | 24.5        | 31.2        | 36.4        | 44.8  |
|                                 | -5°C                      | Capacity(W)           | 43700       | 56700       | 65400       | 77200 |
|                                 |                           | Power(KW)             | 22.6        | 29.0        | 33.7        | 41.3  |
|                                 | -10°C                     | Capacity(W)           | 34800       | 45100       | 52200       | 61700 |
|                                 |                           | Power(KW)             | 20.6        | 26.6        | 30.9        | 37.6  |
| Connector                       | Air suction connector(mm) | φ 54                  | φ 54        | φ 54        | φ 54        |       |
|                                 | Feed flew connector(mm)   | φ 22                  | φ 28        | φ 28        | φ 28        |       |
| Overall Dimension               | L (mm)                    | 1860                  | 2660        | 2660        | 2660        |       |
|                                 | W (mm)                    | 1090                  | 1090        | 1090        | 1090        |       |
|                                 | H (mm)                    | 1800                  | 1800        | 1800        | 1800        |       |
| Installation Dimension (AxB) mm |                           | 1400×1040             | 2*1100×1040 | 2*1100×1040 | 2*1100×1040 |       |



3-10P Unit Outline Drawing



10-50P Unit Outline Drawing

Bitzer Middle and Low Temperature Air-cooled Condensing Unit R404A Refrigerant

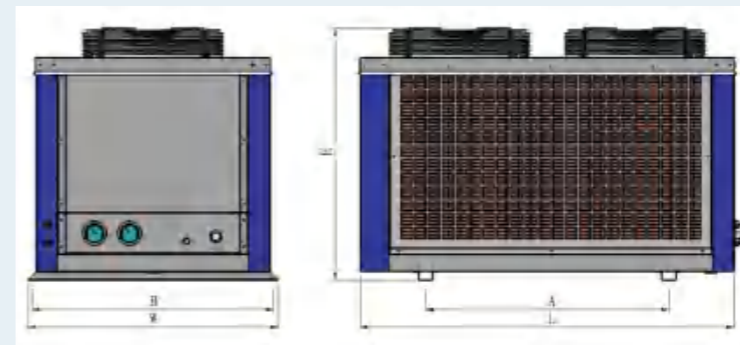
| Unit Model                      |                           | KVB03LBBY             | KVB04LBBY | KVB05LBBY | KVB06LBBY |      |
|---------------------------------|---------------------------|-----------------------|-----------|-----------|-----------|------|
| Temperature(°C)                 |                           | -15°C ~20 °C          |           |           |           |      |
| Refrigerant                     |                           | R404A                 |           |           |           |      |
| Power                           |                           | 380V/three phase/50Hz |           |           |           |      |
| Compressor Model                |                           | 2CES3Y                | 4EES4Y    | 4DES5Y    | 4CES6Y    |      |
| Condenser                       | Fanmotor Quantity         | 1                     | 2         | 2         | 2         |      |
|                                 | Voltage(V)                | 380                   | 380       | 380       | 380       |      |
|                                 | Power(W)                  | 180                   | 180×2     | 180×2     | 180×2     |      |
| Compressor capacity and input   | -20°C                     | Capacity(W)           | 3810      | 5140      | 6330      | 7700 |
|                                 |                           | Power(KW)             | 3.21      | 4.33      | 5.3       | 6.51 |
|                                 | -25°C                     | Capacity(W)           | 2870      | 3850      | 4750      | 5800 |
|                                 |                           | Power(KW)             | 2.8       | 3.77      | 4.62      | 5.71 |
|                                 | -30°C                     | Capacity(W)           | 2090      | 2790      | 3450      | 4240 |
|                                 |                           | Power(KW)             | 2.4       | 3.2       | 3.92      | 4.87 |
| Connector                       | Air suction connector(mm) | φ 22                  | φ 22      | φ 28      | φ 28      |      |
|                                 | Feed flow connector(mm)   | φ 12                  | φ 12      | φ 12      | φ 12      |      |
| Overall Dimension               | L (mm)                    | 900                   | 1030      | 1030      | 1030      |      |
|                                 | W (mm)                    | 780                   | 880       | 880       | 880       |      |
|                                 | H (mm)                    | 740                   | 740       | 740       | 740       |      |
| Installation Dimension (AxB) mm |                           | 450×750               | 600×850   | 600×850   | 600×850   |      |

| Unit Model                      |                           | KVB09LBBY             | KVB12LBBY | KVB14LBBY | KVB18LBBY |       |
|---------------------------------|---------------------------|-----------------------|-----------|-----------|-----------|-------|
| Temperature(°C)                 |                           | -15°C ~20 °C          |           |           |           |       |
| Refrigerant                     |                           | R404A                 |           |           |           |       |
| Power                           |                           | 380V/three phase/50Hz |           |           |           |       |
| Compressor Model                |                           | 4TES9Y                | 4PES12Y   | 4NES14Y   | 4HE18Y    |       |
| Condenser                       | Fanmotor Quantity         | 2                     | 2         | 2         | 2         |       |
|                                 | Voltage(V)                | 380                   | 380       | 380       | 380       |       |
|                                 | Power(W)                  | 250×2                 | 250×2     | 250×2     | 250×2     |       |
| Compressor capacity and input   | -20°C                     | Capacity(W)           | 9820      | 11460     | 13260     | 18490 |
|                                 |                           | Power(KW)             | 7.7       | 8.8       | 10.4      | 14.8  |
|                                 | -25°C                     | Capacity(W)           | 7330      | 8530      | 9870      | 14000 |
|                                 |                           | Power(KW)             | 6.65      | 7.53      | 8.9       | 12.9  |
|                                 | -30°C                     | Capacity(W)           | 5290      | 6130      | 7090      | 10310 |
|                                 |                           | Power(KW)             | 5.61      | 6.28      | 7.5       | 11.02 |
| Connector                       | Air suction connector(mm) | φ 35                  | φ 35      | φ 35      | φ 42      |       |
|                                 | Feed flow connector(mm)   | φ 16                  | φ 16      | φ 22      | φ 22      |       |
| Overall Dimension               | L (mm)                    | 1350                  | 1350      | 1350      | 1550      |       |
|                                 | W (mm)                    | 800                   | 800       | 800       | 965       |       |
|                                 | H (mm)                    | 1440                  | 1440      | 1440      | 1700      |       |
| Installation Dimension (AxB) mm |                           | 1000×750              | 1000×750  | 1000×750  | 1000×915  |       |

Bitzer Middle and Low Temperature Air-cooled Condensing Unit R404A

| Unit Model                      |                           | KVB23LBBY             | KVB28LBBY | KVB34LBBY | KVB44LBBY |       |
|---------------------------------|---------------------------|-----------------------|-----------|-----------|-----------|-------|
| Temperature(°C)                 |                           | -15°C ~20 °C          |           |           |           |       |
| Refrigerant                     |                           | R404A                 |           |           |           |       |
| Power                           |                           | 380V/three phase/50Hz |           |           |           |       |
| Compressor Model                |                           | 4GE23Y                | 6HE28Y    | 6GE34Y    | 6FE44Y    |       |
| Condenser                       | Fanmotor Quantity         | 2                     | 2         | 2         | 2         |       |
|                                 | Voltage(V)                | 380                   | 380       | 380       | 380       |       |
|                                 | Power(W)                  | 600×2                 | 600×2     | 800×2     | 800×2     |       |
| Compressor capacity and input   | -20°C                     | Capacity(W)           | 21300     | 27700     | 31500     | 36900 |
|                                 |                           | Power(KW)             | 17        | 22.2      | 25.2      | 29.3  |
|                                 | -25°C                     | Capacity(W)           | 16240     | 21000     | 23900     | 27800 |
|                                 |                           | Power(KW)             | 14.9      | 19.3      | 21.9      | 25.5  |
|                                 | -30°C                     | Capacity(W)           | 12020     | 15490     | 17600     | 20200 |
|                                 |                           | Power(KW)             | 12.7      | 16.43     | 18.7      | 21.6  |
| Connector                       | Air suction connector(mm) | φ 54                  | φ 54      | φ 54      | φ 54      |       |
|                                 | Feed flow connector(mm)   | φ 22                  | φ 22      | φ 22      | φ 28      |       |
| Overall Dimension               | L (mm)                    | 1550                  | 1550      | 1860      | 1860      |       |
|                                 | W (mm)                    | 965                   | 965       | 1090      | 1090      |       |
|                                 | H (mm)                    | 1700                  | 1700      | 1800      | 1800      |       |
| Installation Dimension (AxB) mm |                           | 1000×915              | 1000×915  | 1400×1040 | 1400×1040 |       |

Note: Condensing temp:50°C; Inspiratory superheat:10K;  
When evaporation temperature is low, CIC Spraying System must be added.



3-10P Unit Outline Drawing



10-50P Unit Outline Drawing