

GREAT  
TECHNOLOGY



OCTOPUS

MINI VRF

Heat Pump 50Hz

Excellent solution for commerce and residence implementation  
such as small offices, villas, apartments, stores etc..



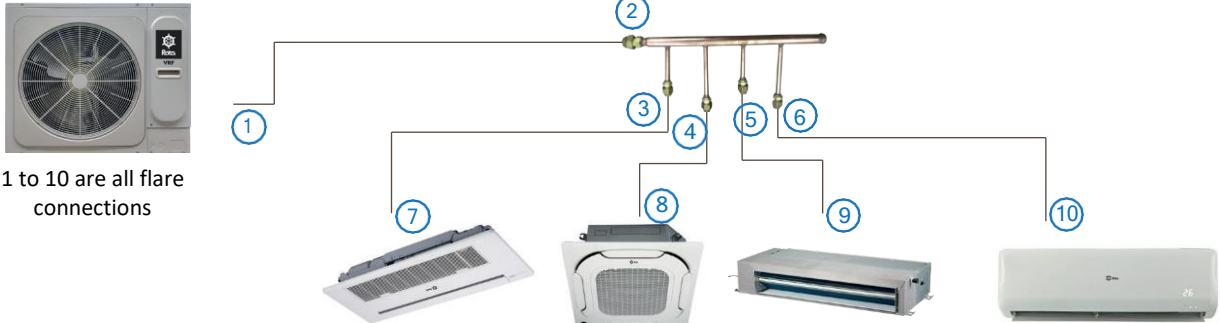
RotaClimate



# OCTOPUS Mini VRF Series

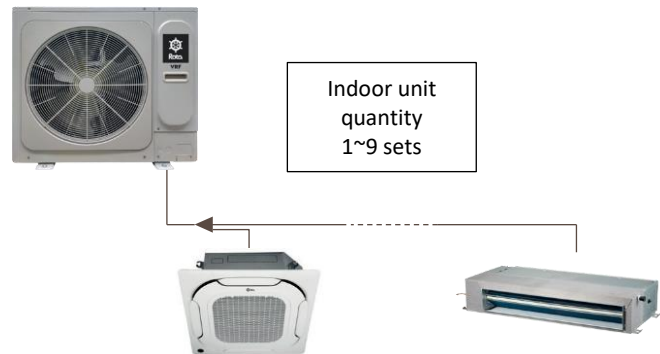
All flare connections, the easiest VRF to install

Mini VRF system uses all flare connection which can greatly simplify installation. The multiple branch header with 1 to 2,3,4,5 or 6 options further simplify installation.



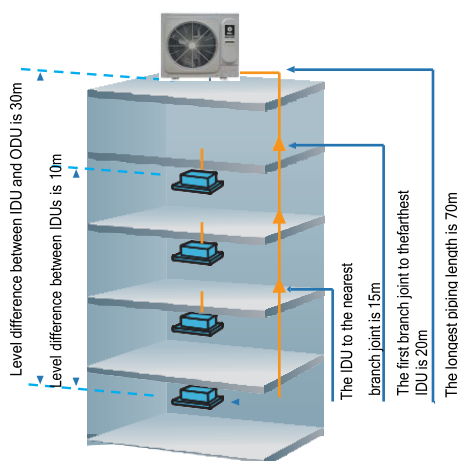
## 1 to 9 Indoor Units Connection

A single outdoor unit supports 1 to 9 indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units.



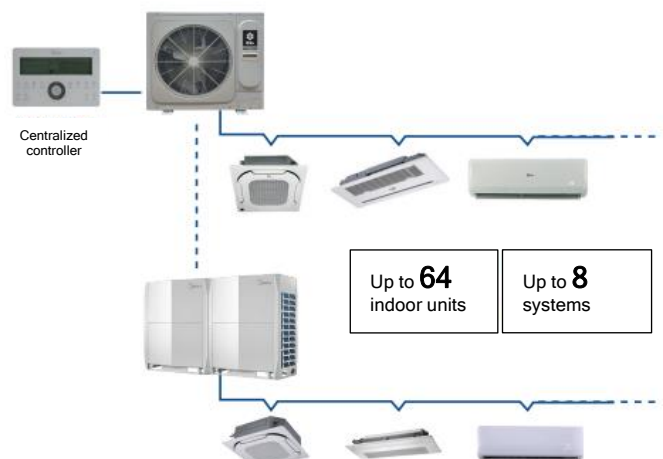
## Long Piping Length

Mini VRF provides a total piping length possibility of 130m, a maximum height difference between outdoor and indoor units of 30m. The height difference between indoor units can be up to 10m. These generous allowances facilitate an extensive array of system designs.



## Centralized Control with Other VRF System, Convenient for Unified Management

Mini VRF series system and other VRF system with up to 64 indoor units and 8 system can be controlled in one centralized control system, it is very convenient for administrators to manage equipment uniformly.



## Flexible branch header Lineup

| Model      | 1 to 2 branch header<br>DXFQT2-02                                                 | 1 to 3 branch header<br>DXFQT3-02                                                 | 1 to 4 branch header<br>DXFQT4-02                                                 | 1 to 5 branch header<br>DXFQT5-02                                                 | 1 to 6 branch header<br>DXFQT6-02                                                  |
|------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Appearance |  |  |  |  |  |

# OCTOPUS Mini VRF Series

## Outdoor Units

Capacity range:  
28 / 36 / 42 / 48 / 56 / 60 Btu/h (6 models)



28/36kBtu/h



42/48/56kBtu/h



60kBtu/h

## One-way Cassette

Capacity range:  
06/07/09/12/15/18/24k Btu/h (7 models)



### Four-way Cassette

Capacity range:  
09/12/15/18/24/28/32/36/40/48/56k Btu/h  
(11 models)



### Compact Four-way Cassette

Capacity range:  
05/07/09/12/15k Btu/h (5 models)



### Medium Static Pressure Duct

Capacity range:  
07/09/12/15/18/24/28/32/40/48/56k Btu/h  
(11 models)



### Medium Static Pressure Duct (Arc Series)

Capacity range:  
05/07/09/12/15/18/24k Btu/h (7 models)



## High Static Pressure Duct

Capacity range:  
24/28/32/40/48/56k Btu/h (6 models)



### Wall Mounted

Capacity range:  
07/09/12/15/18/24/28/32k Btu/h  
(8 models)



### Celling / Floor

Capacity range:  
12/15/18/24/28/32/40/48k Btu/h (8 models)

Note: Octopus Mini Vrf indoor units can Connect to Octopus Mini Vrf outdoor units only.

## Outdoor Units Specifications

| Model                       |                | OCTOPUS V-28<br>OD                   | OCTOPUS V-36<br>OD                 | OCTOPUS V-42<br>OD | OCTOPUS V-48<br>OD | OCTOPUS V-56<br>OD | OCTOPUS V-60<br>OD |      |
|-----------------------------|----------------|--------------------------------------|------------------------------------|--------------------|--------------------|--------------------|--------------------|------|
| Power Supply                |                | 220-240V ~ 50Hz                      |                                    |                    |                    |                    |                    |      |
| Cooling Capacity            |                | kBtu/h                               | 24(5 ~ 27)                         | 30(6 ~ 34)         | 42                 | 47                 | 52                 | 59   |
|                             |                | kW                                   | 7.2(1.5-8)                         | 9(2-10)            | 12.3               | 14                 | 15.5               | 17.5 |
| Heating Capacity            |                | kBtu/h                               | 24.5(5 ~ 30)                       | 30(7 ~ 41)         | 47                 | 54                 | 59                 | 64   |
|                             |                | kW                                   | 7.2(1.6-9)                         | 9(2.1-12)          | 14                 | 16                 | 17.5               | 19   |
| Connectable<br>Indoor Unit  | Total Capacity |                                      | 45 ~ 130% of outdoor unit capacity |                    |                    |                    |                    |      |
|                             | Quantity       | Minimum                              | 1                                  | 1                  | 1                  | 1                  | 1                  | 1    |
|                             |                | Maximum                              | 4                                  | 6                  | 7                  | 8                  | 9                  | 9    |
| Compressor                  | Type           |                                      | DC Inverter                        |                    |                    |                    |                    |      |
|                             | Quantity       |                                      | 1                                  |                    |                    |                    |                    |      |
| Fan Motor                   | Type           |                                      | DC Motor                           |                    |                    |                    |                    |      |
|                             | Quantity       |                                      | 1                                  |                    |                    |                    |                    |      |
| Refrigerant Type            |                | R410A                                |                                    |                    |                    |                    |                    |      |
| Liquid/Gas Pipe             |                | Φ9.53/Φ15.9                          | Φ9.53/Φ15.9                        | Φ9.53/Φ15.9        | Φ9.53/Φ15.9        | Φ9.53/Φ19.1        | Φ9.53/Φ19.1        |      |
| Net Dimensions (WxHxD)      |                | 910 x 712 x 426                      | 910 x 712 x 426                    | 950 x 840 x 440    | 950 x 840 x 440    | 950 x 840 x 440    | 1040 x 865 x 523   |      |
| Packing Size (WxHxD)        |                | 1045 x 810 x 485                     | 1045 x 810 x 485                   | 1025 x 950 x 510   | 1025 x 950 x 510   | 1025 x 950 x 510   | 1120 x980 x 560    |      |
| Operating Temperature Range |                | Cooling: -15 ~ 55, Heating: -15 ~ 27 |                                    |                    |                    |                    |                    |      |

### OCTOPUS VC-1\*\*ID

| Model                        | 06                      | 07          | 09          | 12          | 15          | 18          | 24          |
|------------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Power Supply                 | 1 phase, 220-240V, 50Hz |             |             |             |             |             |             |
| Cooling Capacity (kW/kBtu/h) | 1.8/6                   | 2.2/7       | 2.8/9       | 3.6/12      | 4.5/15      | 5.6/19      | 7.1/24      |
| Heating Capacity (kW/kBtu/h) | 2.2/7                   | 2.6/8       | 3.2/10      | 4/13        | 5/17        | 6.3/21      | 8/27        |
| Indoor Air Flow (m3/h)       | 523/404/275             | 523/404/275 | 573/456/315 | 573/456/315 | 693/600/476 | 792/688/549 | 933/749/592 |
| Sound Pressure Level (dB(A)) | 37/34/30                | 37/34/30    | 39/37/34    | 40/38/34    | 41/39/35    | 42/40/36    | 44/41/37    |

### OCTOPUS VC-4\*\*ID

| Model                        | 09                      | 12          | 15          | 18          | 24          | 28            | 32            | 36             | 40             | 48             | 56                                         |
|------------------------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|----------------|----------------|----------------|--------------------------------------------|
| Power Supply                 | 1 phase, 220-240V, 50Hz |             |             |             |             |               |               |                |                |                |                                            |
| Cooling Capacity (kW/kBtu/h) | 2.8/9                   | 3.6/12      | 4.5/15      | 5.6/19      | 7.1/24      | 8/27          | 9/30          | 10/34          | 11.2/38        | 14/47          | 16/54                                      |
| Heating Capacity (kW/kBtu/h) | 3.2/10                  | 4/13        | 5/17        | 6.3/21      | 8/27        | 9/30          | 10/34         | 11.1/37        | 12.5/42        | 16/54          | 18/61                                      |
| Indoor Air Flow (m3/h)       | 764/638/554             | 764/638/554 | 905/740/651 | 905/740/651 | 950/767/663 | 1200/1021/789 | 1332/1129/908 | 1651/1304/1127 | 1913/1504/1127 | 1658/1335/1130 | 2100/1950/1800<br>/1750/1600<br>/1450/1350 |
| Sound Pressure Level (dB(A)) | 32/31/30                | 32/31/30    | 36/34/33    | 36/34/33    | 38/36/35    | 42/39/37      | 43/39/38      | 45/42/40       | 45/42/40       | 46/41/39       | 46/44/42/41<br>/39/38/37                   |

### OCTOPUS VC-4\*\*C ID

| Model                        | 05                      | 07          | 09          | 12          | 15          |
|------------------------------|-------------------------|-------------|-------------|-------------|-------------|
| Power Supply                 | 1 phase, 220-240V, 50Hz |             |             |             |             |
| Cooling Capacity (kW/kBtu/h) | 1.5/5                   | 2.2/7       | 2.8/9       | 3.6/12      | 4.5/15      |
| Heating Capacity (kW/kBtu/h) | 1.7/5                   | 2.4/8       | 3.2/10      | 4/13        | 5/17        |
| Indoor Air Flow (m3/h)       | 400/283/208             | 414/313/238 | 414/313/238 | 521/409/314 | 521/409/314 |
| Sound Pressure Level (dB(A)) | 35/33/23                | 36/33/23    | 36/33/23    | 42/36/29    | 42/36/29    |

### OCTOPUS VD\*\*ID

| Model                         | 07                      | 09          | 12          | 15          | 18          | 24          | 28             | 32             | 40             | 48             | 56             |
|-------------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|----------------|----------------|----------------|----------------|----------------|
| Power Supply                  | 1 phase, 220-240V, 50Hz |             |             |             |             |             |                |                |                |                |                |
| Cooling Capacity (kW/kBtu/h)  | 2.2/7                   | 2.8/9       | 3.6/12      | 4.5/15      | 5.6/19      | 7.1/24      | 8/27           | 9/30           | 11.2/38        | 14/47          | 16/54          |
| Heating Capacity (kW/kBtu/h)  | 2.6/8                   | 3.2/10      | 4/13        | 5/17        | 6.3/21      | 8/27        | 9/30           | 10/34          | 12.5/42        | 15.5/52        | 17/58          |
| Indoor Air Flow (m3/h)        | 550/397/309             | 550/397/309 | 605/442/351 | 800/573/479 | 800/573/479 | 985/738/630 | 1345/1165/1013 | 1345/1165/1013 | 1905/1636/1400 | 1905/1636/1400 | 3620/3044/2744 |
| External static pressure (Pa) | 10(0 ~ 30)              |             |             |             |             |             |                | 20(10 ~ 50)    |                |                |                |
| Sound Pressure Level (dB(A))  | 32/24/21                | 31/24/21    | 35/28/24    | 36/29/26    | 36/29/27    | 36/30/27    | 45/40/37       | 45/40/37       | 48/42/38       | 48/43/39       | 54/52/50       |

### OCTOPUS VD\*\*ARC ID

| Model                         | 07                              | 09                              | 12                              | 15                              | 18                              | 24                              | 28                                |
|-------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------------------|
| Power Supply                  | 1 phase, 220-240V, 50Hz         |                                 |                                 |                                 |                                 |                                 |                                   |
| Cooling Capacity (kW/kBtu/h)  | 1.5/5                           | 2.2/7                           | 2.8/9                           | 3.6/12                          | 4.5/15                          | 5.6/19                          | 7.1/24                            |
| Heating Capacity (kW/kBtu/h)  | 1.8/6                           | 2.5/8                           | 3.2/10                          | 4/13                            | 5/17                            | 6.3/21                          | 8/27                              |
| Indoor Air Flow (m3/h)        | 340/330/320/<br>310/300/295/290 | 370/345/335/<br>320/310/300/295 | 460/430/410/<br>380/350/320/300 | 605/550/500/<br>450/410/360/320 | 800/720/690/<br>625/560/515/435 | 900/780/745/<br>655/580/560/470 | 1145/1000/930/840<br>/750/665/580 |
| External static pressure (Pa) | 10(10 ~ 50)                     |                                 |                                 |                                 |                                 |                                 |                                   |
| Sound Pressure Level (dB(A))  | 27/25.5/24/<br>23/22/21/20      | 28/27/26/<br>25/24/23/22        | 30/29/28/<br>27/26/25/24        | 30/29/28/<br>27/26/25.5/25      | 34/33/32/<br>30/29/28/26        | 36/34/33/<br>32/31/30/28        | 37/35/34/<br>32.5/31/30/29        |

### OCTOPUS VD\*\*H ID

| Model                         | 24                      | 28                              | 32                              | 40                              | 48                              | 56                              |
|-------------------------------|-------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Power Supply                  | 1 phase, 220-240V, 50Hz |                                 |                                 |                                 |                                 |                                 |
| Cooling Capacity (kW/kBtu/h)  | 7.1/24                  | 2.2/7                           | 2.8/9                           | 3.6/12                          | 4.5/15                          | 5.6/19                          |
| Heating Capacity (kW/kBtu/h)  | 8/27                    | 2.5/8                           | 3.2/10                          | 4/13                            | 5/17                            | 6.3/21                          |
| Indoor Air Flow (m3/h)        | 1395/1315/<br>1248/1204 | 370/345/335/<br>320/310/300/295 | 460/430/410/<br>380/350/320/300 | 605/550/500/<br>450/410/360/320 | 800/720/690/<br>625/560/515/435 | 900/780/745/<br>655/580/560/470 |
| External static pressure (Pa) | 25(25 ~ 196)            | 37(37 ~ 196)                    | 37(37 ~ 196)                    | 50(50 ~ 196)                    | 50(50 ~ 196)                    | 50(50 ~ 196)                    |
| Sound Pressure Level (dB(A))  | 48/46/44/43             | 48/46/45/43                     | 52/49/47/45                     | 52/49/47/46                     | 53/50/48/46                     | 54/52/50/48                     |

### OCTOPUS VS\*\* ID

| Model                        | 07                              | 09                              | 12                              | 15                              | 18                              | 24                                  | 28                                  | 32                                     |
|------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------------------|----------------------------------------|
| Power Supply                 | 1 phase, 220-240V, 50Hz         |                                 |                                 |                                 |                                 |                                     |                                     |                                        |
| Cooling Capacity (kW/kBtu/h) | 2.2/7                           | 2.8/9                           | 3.6/12                          | 4.5/15                          | 5.6/19                          | 7.1/24                              | 8/27                                | 9/30                                   |
| Heating Capacity (kW/kBtu/h) | 2.4/8                           | 3.2/10                          | 4/13                            | 5/17                            | 6.3/21                          | 8/27                                | 9/30                                | 10/34                                  |
| Indoor Air Flow (m3/h)       | 446/429/424/409/<br>394/382/373 | 457/445/433/421/<br>419/410/402 | 447/429/399/369/<br>339/333/303 | 648/618/582/563/<br>546/505/476 | 798/764/723/691/<br>665/627/595 | 1240/1171/1107/<br>1045/976/914/869 | 1248/1194/1119/<br>1056/993/914/863 | 1427/1403/1303/1232/<br>1186/1096/1043 |
| Sound Pressure Level (dB(A)) | 34/33/33/32<br>/32/31/31        | 33/33/32/32<br>/31/31/31        | 36/35/34/33<br>/32/32/32        | 37/36/34/34<br>/33/32/31        | 42/41/40/39<br>/38/37/36        | 48/47/45/44<br>/42/39/38            | 48/47/45/43<br>/42/39/38            | 52/51/50/49<br>/47/45/43               |

### OCTOPUS VF\*\* ID

| Model                        | 12                      | 15          | 18     | 24     | 28           | 32    | 40             | 48    |
|------------------------------|-------------------------|-------------|--------|--------|--------------|-------|----------------|-------|
| Power Supply                 | 1 phase, 220-240V, 50Hz |             |        |        |              |       |                |       |
| Cooling Capacity (kW/kBtu/h) | 3.6/12                  | 4.5/15      | 5.6/19 | 7.1/24 | 8/27         | 9/30  | 11.2/38        | 14/47 |
| Heating Capacity (kW/kBtu/h) | 4/13                    | 5/17        | 6.3/21 | 8/27   | 9/30         | 10/34 | 12.5/42        | 15/51 |
| Indoor Air Flow (m3/h)       | 650/570/500             | 800/600/500 |        |        | 1200/900/700 |       | 1980/1860/1730 |       |
| Sound Pressure Level (dB(A)) | 40/38/36                | 43/41/38    |        |        | 45/43/40     |       | 47/45/42       |       |

Notes: 1. The full model name can be obtained by substituting the asterisk in the model name format given above the table with the model index given in the table.

06/2024

The manufacturer has the right to change product specifications without notice. Our company is not responsible for typographic errors in the catalogue. Energy values may vary slightly.

