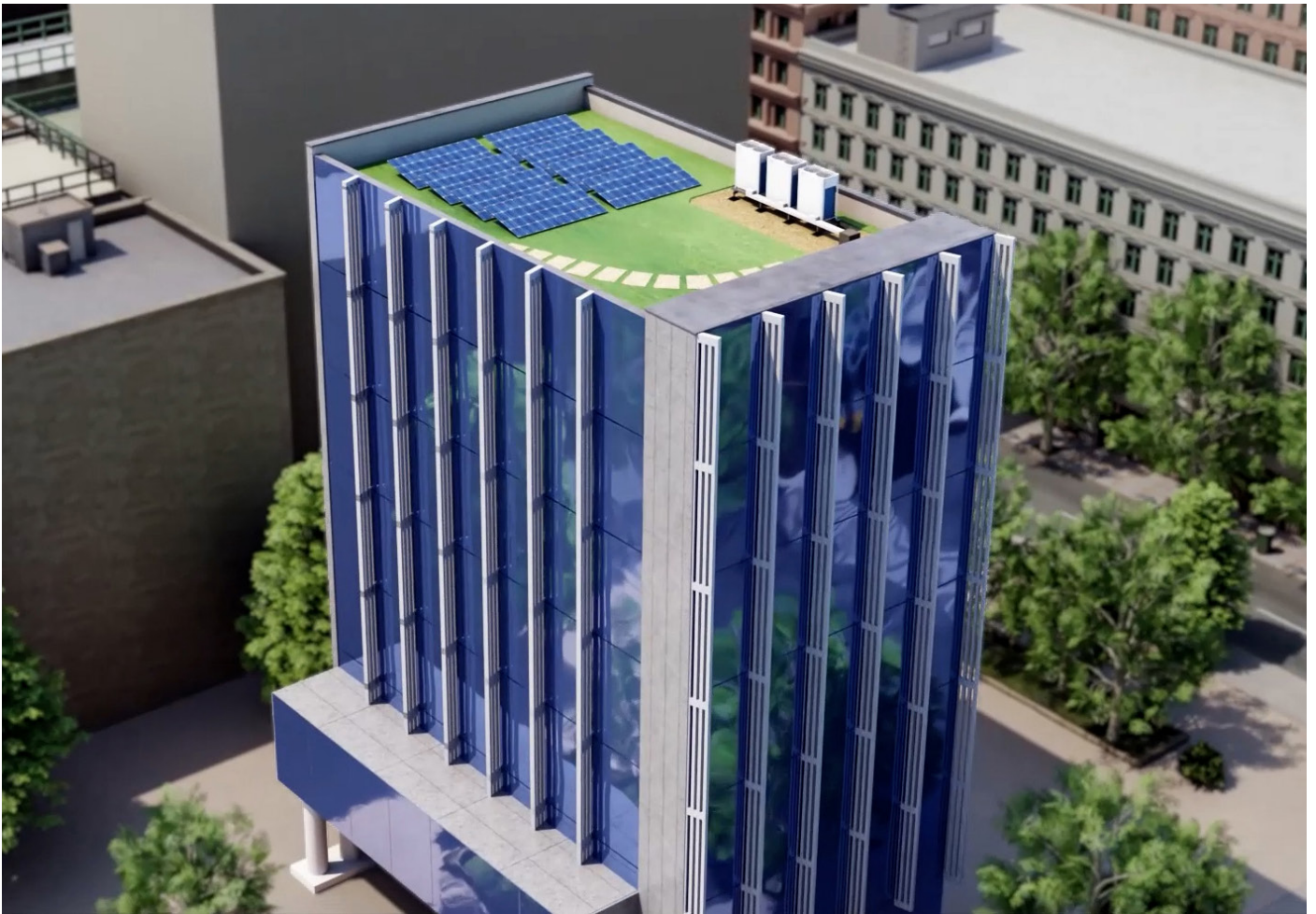


# SHRMu



### VRF SHRMU R410a: MMY - MUP0801FT8P-E

#### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

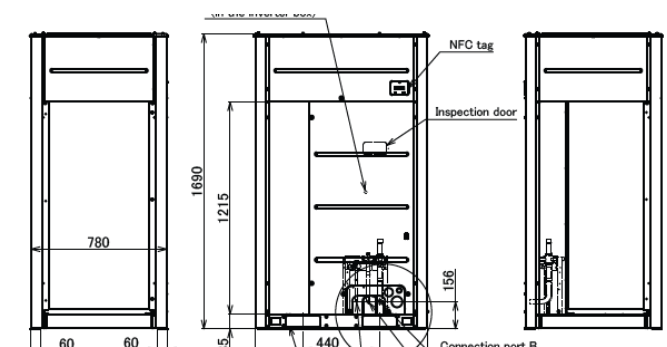
#### Performance & Outdoor Data

|                                                           |                                                                     |                               |                  |
|-----------------------------------------------------------|---------------------------------------------------------------------|-------------------------------|------------------|
| Capacity Range                                            |                                                                     | HP                            | 8                |
| Maximum Number of Indoor Units                            |                                                                     | QTY                           | 18               |
| Cooling Capacity                                          |                                                                     | kW                            | 22.4             |
| Heating capacity Rated/Max                                |                                                                     | kW                            | 22.4/25.0        |
| Operating Range                                           | Cooling                                                             | °C                            | -10.0 to 52.0    |
|                                                           | Heating                                                             |                               | -25.0 to 15.5    |
| Cooling                                                   | Power Consumption                                                   | kW                            | 5.70             |
|                                                           | EER/SEER/Energy Efficiency Class (or ηsc %)                         |                               | 3.93/7.83/310.2  |
| Heating                                                   | Power Consumption (Rated)                                           | kW                            | 5.28             |
|                                                           | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |                               | 4.24/4.44/174.6  |
| Fan(s)                                                    | Standard Air Flow H                                                 | l/s                           | 2917             |
|                                                           | Standard Air Flow H                                                 | m3/h                          | 10500            |
|                                                           | External Static Pressure                                            | Pa                            | 80               |
| Sound                                                     | Pressure Level C/H                                                  | dB(A)                         | 53/56            |
|                                                           | Power Level C/H                                                     | dB(A)                         | 75/77            |
| Unit(s)                                                   | Height x Width x Depth                                              | mm                            | 1690 x 990 x 780 |
|                                                           | Weight                                                              | kg                            | 250              |
|                                                           | Refrigerant Base Charge                                             | kg                            | 6                |
| Pipe Connections                                          | Suction Gas Pipe - Diameter                                         | inch                          | 3/4              |
|                                                           | Discharge Pipe - Diameter                                           | inch                          | 5/8              |
|                                                           | Liquid Pipe - Diameter                                              | inch                          | 1/2              |
| Maximum                                                   | Equivalent Length                                                   | m                             | 200              |
|                                                           | Real Length                                                         | m                             | 180              |
|                                                           | Total Pipe Length (Liquid Line Real Length)                         | m                             | 500              |
|                                                           | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                             | 100              |
|                                                           | Length To First Branch Height Difference Between Indoor Units > 3 m | m                             | 85               |
|                                                           | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                             | 15               |
|                                                           | Real Length Between Single Port FS Unit and Indoor Unit             | m                             | 50               |
|                                                           | Real Length Between Multi Port FS Unit and Indoor Unit              | m                             | 50               |
|                                                           | Real Length Of Indoor Unit Connecting Piping                        | m                             | 50               |
|                                                           | Equivalent Length Between Branches                                  | m                             | 50               |
|                                                           | Height Difference Outdoor Higher Than Indoor Units                  | m                             | 90               |
|                                                           | Height Difference Outdoor Lower Than Indoor Units                   | m                             | 40               |
|                                                           | Height Difference Between Indoor Units                              | m                             | 40               |
|                                                           | Height Difference Between Outdoor Units                             | m                             | 5                |
|                                                           | Electrical                                                          | Voltage Range Minimum/Maximum | V                |
| Electrical Characteristic Running Current Cooling/Heating |                                                                     | A                             | 9.58/9.02        |
| Power Supply Wiring Starting Current                      |                                                                     | A                             | Soft Start       |
| Power Supply                                              |                                                                     | V/ph/Hz                       | 380-415/3/50     |
| Suggested Fused Supply(s)                                 |                                                                     | A                             | 20               |

\*All [Accessories](#) / [Controls](#)

Related items:

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Refrigerant cycle](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Noise curve data](#)
- [Installation manual](#)



### VRF SHRMU R410a: MMY - MUP1001FT8P-E

#### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

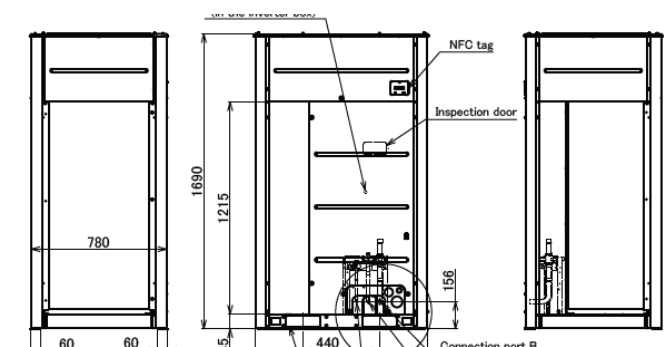
#### Performance & Outdoor Data

|                                |                                                                     |         |                  |
|--------------------------------|---------------------------------------------------------------------|---------|------------------|
| Capacity Range                 |                                                                     | HP      | 10               |
| Maximum Number of Indoor Units |                                                                     | QTY     | 22               |
| Cooling Capacity               |                                                                     | kW      | 28.0             |
| Heating capacity Rated/Max     |                                                                     | kW      | 28.0/31.5        |
| Operating Range                | Cooling                                                             | °C      | -10.0 to 52.0    |
|                                | Heating                                                             |         | -25.0 to 15.5    |
| Cooling                        | Power Consumption                                                   | kW      | 7.76             |
|                                | EER/SEER/Energy Efficiency Class (or ηsc %)                         |         | 3.61/7.82/309.8  |
| Heating                        | Power Consumption (Rated)                                           | kW      | 7.07             |
|                                | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |         | 3.96/4.67/183.8  |
| Fan(s)                         | Standard Air Flow H                                                 | l/s     | 3028             |
|                                | Standard Air Flow H                                                 | m3/h    | 10900            |
|                                | External Static Pressure                                            | Pa      | 80               |
| Sound                          | Pressure Level C/H                                                  | dB(A)   | 55/58            |
|                                | Power Level C/H                                                     | dB(A)   | 77/78            |
| Unit(s)                        | Height x Width x Depth                                              | mm      | 1690 x 990 x 780 |
|                                | Weight                                                              | kg      | 250              |
|                                | Refrigerant Base Charge                                             | kg      | 6                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch    | 7/8              |
|                                | Discharge Pipe - Diameter                                           | inch    | 3/4              |
|                                | Liquid Pipe - Diameter                                              | inch    | 1/2              |
|                                | Equivalent Length                                                   | m       | 200              |
|                                | Real Length                                                         | m       | 180              |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m       | 500              |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m       | 100              |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m       | 85               |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m       | 15               |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m       | 50               |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m       | 50               |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m       | 50               |
|                                | Equivalent Length Between Branches                                  | m       | 50               |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m       | 90               |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m       | 40               |
|                                | Height Difference Between Indoor Units                              | m       | 40               |
|                                | Height Difference Between Outdoor Units                             | m       | 5                |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V       | 380/415          |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A       | 12.41/11.69      |
|                                | Power Supply Wiring Starting Current                                | A       | Soft Start       |
|                                | Power Supply                                                        | V/ph/Hz | 380-415/3/50     |
|                                | Suggested Fused Supply(s)                                           | A       | 25               |

\*All [Accessories](#) / [Controls](#)

#### Related items:

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- [Dimensional drawing](#)
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- [Noise curve data](#)
- [Installation manual](#)



### VRF SHRMU R410a: MMY - MUP1201FT8P-E

#### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

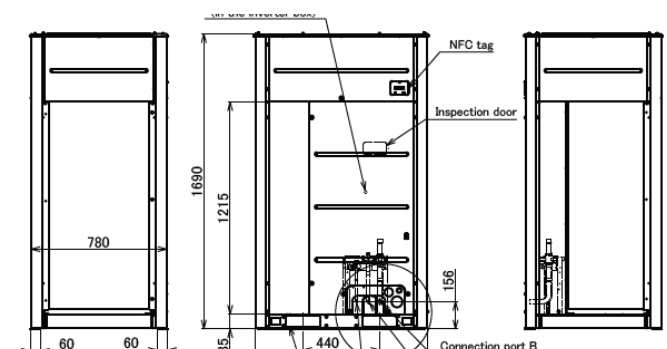
#### Performance & Outdoor Data

|                                                           |                                                                     |                               |                  |
|-----------------------------------------------------------|---------------------------------------------------------------------|-------------------------------|------------------|
| Capacity Range                                            |                                                                     | HP                            | 12               |
| Maximum Number of Indoor Units                            |                                                                     | QTY                           | 27               |
| Cooling Capacity                                          |                                                                     | kW                            | 33.5             |
| Heating capacity Rated/Max                                |                                                                     | kW                            | 33.5/37.5        |
| Operating Range                                           | Cooling                                                             | °C                            | -10.0 to 52.0    |
|                                                           | Heating                                                             |                               | -25.0 to 15.5    |
| Cooling                                                   | Power Consumption                                                   | kW                            | 10.09            |
|                                                           | EER/SEER/Energy Efficiency Class (or ηsc %)                         |                               | 3.32/7.41/293.4  |
| Heating                                                   | Power Consumption (Rated)                                           | kW                            | 7.77             |
|                                                           | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |                               | 4.31/4.62/181.8  |
| Fan(s)                                                    | Standard Air Flow H                                                 | l/s                           | 3583             |
|                                                           | Standard Air Flow H                                                 | m3/h                          | 12900            |
|                                                           | External Static Pressure                                            | Pa                            | 80               |
| Sound                                                     | Pressure Level C/H                                                  | dB(A)                         | 59/62            |
|                                                           | Power Level C/H                                                     | dB(A)                         | 80/83            |
| Unit(s)                                                   | Height x Width x Depth                                              | mm                            | 1690 x 990 x 780 |
|                                                           | Weight                                                              | kg                            | 250              |
|                                                           | Refrigerant Base Charge                                             | kg                            | 6                |
| Pipe Connections                                          | Suction Gas Pipe - Diameter                                         | inch                          | 1 1/8            |
|                                                           | Discharge Pipe - Diameter                                           | inch                          | 3/4              |
|                                                           | Liquid Pipe - Diameter                                              | inch                          | 1/2              |
| Maximum                                                   | Equivalent Length                                                   | m                             | 200              |
|                                                           | Real Length                                                         | m                             | 180              |
|                                                           | Total Pipe Length (Liquid Line Real Length)                         | m                             | 500              |
|                                                           | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                             | 100              |
|                                                           | Length To First Branch Height Difference Between Indoor Units > 3 m | m                             | 85               |
|                                                           | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                             | 15               |
|                                                           | Real Length Between Single Port FS Unit and Indoor Unit             | m                             | 50               |
|                                                           | Real Length Between Multi Port FS Unit and Indoor Unit              | m                             | 50               |
|                                                           | Real Length Of Indoor Unit Connecting Piping                        | m                             | 50               |
|                                                           | Equivalent Length Between Branches                                  | m                             | 50               |
|                                                           | Height Difference Outdoor Higher Than Indoor Units                  | m                             | 90               |
|                                                           | Height Difference Outdoor Lower Than Indoor Units                   | m                             | 40               |
|                                                           | Height Difference Between Indoor Units                              | m                             | 40               |
|                                                           | Height Difference Between Outdoor Units                             | m                             | 5                |
|                                                           | Electrical                                                          | Voltage Range Minimum/Maximum | V                |
| Electrical Characteristic Running Current Cooling/Heating |                                                                     | A                             | 15.91/12.48      |
| Power Supply Wiring Starting Current                      |                                                                     | A                             | Soft Start       |
| Power Supply                                              |                                                                     | V/ph/Hz                       | 380-415/3/50     |
| Suggested Fused Supply(s)                                 |                                                                     | A                             | 32               |

\*All [Accessories](#) / [Controls](#)

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- [CAD files](#)
- [Refrigerant cycle](#)
- [Dimensional drawing](#)
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- [Noise curve data](#)
- [Installation manual](#)



### VRF SHRMU R410a: MMY - MUP1401FT8P-E

#### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

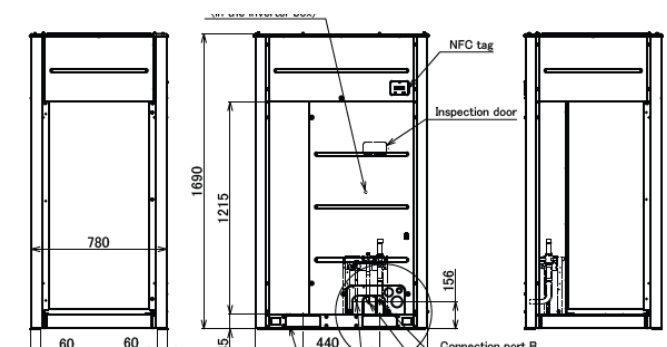
#### Performance & Outdoor Data

|                                                           |                                                                     |                               |                  |
|-----------------------------------------------------------|---------------------------------------------------------------------|-------------------------------|------------------|
| Capacity Range                                            |                                                                     | HP                            | 14               |
| Maximum Number of Indoor Units                            |                                                                     | QTY                           | 31               |
| Cooling Capacity                                          |                                                                     | kW                            | 40.0             |
| Heating capacity Rated/Max                                |                                                                     | kW                            | 40.0/45.0        |
| Operating Range                                           | Cooling                                                             | °C                            | -10.0 to 52.0    |
|                                                           | Heating                                                             |                               | -25.0 to 15.5    |
| Cooling                                                   | Power Consumption                                                   | kW                            | 14.18            |
|                                                           | EER/SEER/Energy Efficiency Class (or ηsc %)                         |                               | 2.82/7.11/281.4  |
| Heating                                                   | Power Consumption (Rated)                                           | kW                            | 11.05            |
|                                                           | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |                               | 3.62/4.30/169.0  |
| Fan(s)                                                    | Standard Air Flow H                                                 | l/s                           | 3750             |
|                                                           | Standard Air Flow H                                                 | m3/h                          | 13500            |
|                                                           | External Static Pressure                                            | Pa                            | 80               |
| Sound                                                     | Pressure Level C/H                                                  | dB(A)                         | 60/64            |
|                                                           | Power Level C/H                                                     | dB(A)                         | 81/85            |
| Unit(s)                                                   | Height x Width x Depth                                              | mm                            | 1690 x 990 x 780 |
|                                                           | Weight                                                              | kg                            | 250              |
| Pipe Connections                                          | Refrigerant Base Charge                                             | kg                            | 6                |
|                                                           | Suction Gas Pipe - Diameter                                         | inch                          | 1 1/8            |
|                                                           | Discharge Pipe - Diameter                                           | inch                          | 3/4              |
| Maximum                                                   | Liquid Pipe - Diameter                                              | inch                          | 5/8              |
|                                                           | Equivalent Length                                                   | m                             | 200              |
|                                                           | Real Length                                                         | m                             | 180              |
|                                                           | Total Pipe Length (Liquid Line Real Length)                         | m                             | 500              |
|                                                           | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                             | 100              |
|                                                           | Length To First Branch Height Difference Between Indoor Units > 3 m | m                             | 85               |
|                                                           | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                             | 15               |
|                                                           | Real Length Between Single Port FS Unit and Indoor Unit             | m                             | 50               |
|                                                           | Real Length Between Multi Port FS Unit and Indoor Unit              | m                             | 50               |
|                                                           | Real Length Of Indoor Unit Connecting Piping                        | m                             | 50               |
|                                                           | Equivalent Length Between Branches                                  | m                             | 50               |
|                                                           | Height Difference Outdoor Higher Than Indoor Units                  | m                             | 90               |
|                                                           | Height Difference Outdoor Lower Than Indoor Units                   | m                             | 40               |
|                                                           | Height Difference Between Indoor Units                              | m                             | 40               |
|                                                           | Height Difference Between Outdoor Units                             | m                             | 5                |
|                                                           | Electrical                                                          | Voltage Range Minimum/Maximum | V                |
| Electrical Characteristic Running Current Cooling/Heating |                                                                     | A                             | 21.86/17.25      |
| Power Supply Wiring Starting Current                      |                                                                     | A                             | Soft Start       |
| Power Supply                                              |                                                                     | V/ph/Hz                       | 380-415/3/50     |
| Suggested Fused Supply(s)                                 |                                                                     | A                             | 40               |

\*All [Accessories](#) / [Controls](#)

#### Related items:

- [Full specification](#)
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- [Noise curve data](#)
- [Installation manual](#)



## VRF SHRMU R410a: MMY - MUP1601FT8P-E

### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

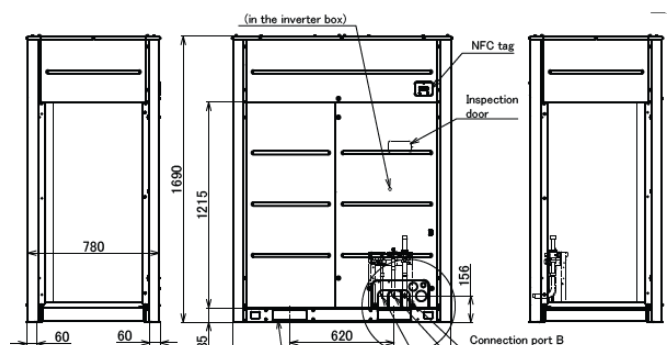
### Performance & Outdoor Data

|                                |                                                                     |         |                   |
|--------------------------------|---------------------------------------------------------------------|---------|-------------------|
| Capacity Range                 |                                                                     | HP      | 16                |
| Maximum Number of Indoor Units |                                                                     | QTY     | 36                |
| Cooling Capacity               |                                                                     | kW      | 45.0              |
| Heating capacity Rated/Max     |                                                                     | kW      | 45.0/50           |
| Operating Range                | Cooling                                                             | °C      | -10.0 to 52.0     |
|                                | Heating                                                             |         | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW      | 13.51             |
|                                | EER/SEER/Energy Efficiency Class (or ηsc %)                         |         | 3.33/8.02/317.8   |
| Heating                        | Power Consumption (Rated)                                           | kW      | 11.94             |
|                                | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |         | 3.77/4.65/183.0   |
| Fan(s)                         | Standard Air Flow H                                                 | l/s     | 4111              |
|                                | Standard Air Flow H                                                 | m3/h    | 14800             |
|                                | External Static Pressure                                            | Pa      | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)   | 61/63             |
|                                | Power Level C/H                                                     |         | 84/86             |
| Unit(s)                        | Height x Width x Depth                                              | mm      | 1690 x 1290 x 780 |
|                                | Weight                                                              | kg      | 352               |
|                                | Refrigerant Base Charge                                             | kg      | 9                 |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch    | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch    | 7/8               |
|                                | Liquid Pipe - Diameter                                              | inch    | 5/8               |
| Maximum                        | Equivalent Length                                                   | m       | 200               |
|                                | Real Length                                                         | m       | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m       | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m       | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m       | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m       | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m       | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m       | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m       | 50                |
|                                | Equivalent Length Between Branches                                  | m       | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m       | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m       | 40                |
|                                | Height Difference Between Indoor Units                              | m       | 40                |
|                                | Height Difference Between Outdoor Units                             | m       | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V       | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A       | 20.87/18.75       |
|                                | Power Supply Wiring Starting Current                                | A       | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A       | 40                |

\*All [Accessories](#) / [Controls](#)

Related items:

- [Full specification](#)
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### VRF SHRMU R410a: MMY - MUP1801FT8P-E

#### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

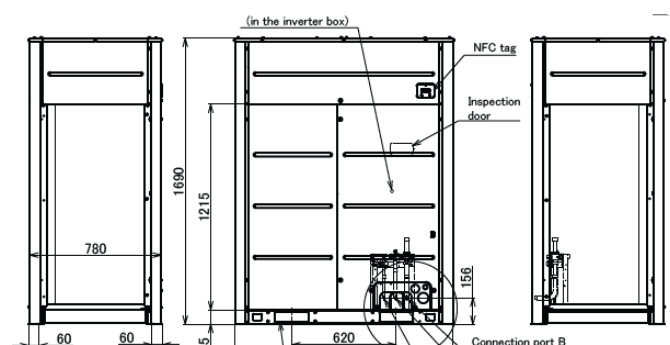
#### Performance & Outdoor Data

|                                                           |                                                                     |                               |                   |
|-----------------------------------------------------------|---------------------------------------------------------------------|-------------------------------|-------------------|
| Capacity Range                                            |                                                                     | HP                            | 18                |
| Maximum Number of Indoor Units                            |                                                                     | QTY                           | 40                |
| Cooling Capacity                                          |                                                                     | kW                            | 50.4              |
| Heating capacity Rated/Max                                |                                                                     | kW                            | 50.4/56.0         |
| Operating Range                                           | Cooling                                                             | °C                            | -10.0 to 52.0     |
|                                                           | Heating                                                             |                               | -25.0 to 15.5     |
| Cooling                                                   | Power Consumption                                                   | kW                            | 15.41             |
|                                                           | EER/SEER/Energy Efficiency Class (or ηsc %)                         |                               | 3.27/7.91/313.4   |
| Heating                                                   | Power Consumption (Rated)                                           | kW                            | 12.54             |
|                                                           | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |                               | 4.02/4.49/176.6   |
| Fan(s)                                                    | Standard Air Flow H                                                 | l/s                           | 4389              |
|                                                           | Standard Air Flow H                                                 | m3/h                          | 15800             |
|                                                           | External Static Pressure                                            | Pa                            | 80                |
| Sound                                                     | Pressure Level C/H                                                  | dB(A)                         | 62/67             |
|                                                           | Power Level C/H                                                     | dB(A)                         | 85/89             |
| Unit(s)                                                   | Height x Width x Depth                                              | mm                            | 1690 x 1290 x 780 |
|                                                           | Weight                                                              | kg                            | 352               |
|                                                           | Refrigerant Base Charge                                             | kg                            | 9                 |
| Pipe Connections                                          | Suction Gas Pipe - Diameter                                         | inch                          | 1 1/8             |
|                                                           | Discharge Pipe - Diameter                                           | inch                          | 7/8               |
|                                                           | Liquid Pipe - Diameter                                              | inch                          | 5/8               |
| Maximum                                                   | Equivalent Length                                                   | m                             | 200               |
|                                                           | Real Length                                                         | m                             | 180               |
|                                                           | Total Pipe Length (Liquid Line Real Length)                         | m                             | 500               |
|                                                           | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                             | 100               |
|                                                           | Length To First Branch Height Difference Between Indoor Units > 3 m | m                             | 85                |
|                                                           | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                             | 15                |
|                                                           | Real Length Between Single Port FS Unit and Indoor Unit             | m                             | 50                |
|                                                           | Real Length Between Multi Port FS Unit and Indoor Unit              | m                             | 50                |
|                                                           | Real Length Of Indoor Unit Connecting Piping                        | m                             | 50                |
|                                                           | Equivalent Length Between Branches                                  | m                             | 50                |
|                                                           | Height Difference Outdoor Higher Than Indoor Units                  | m                             | 90                |
|                                                           | Height Difference Outdoor Lower Than Indoor Units                   | m                             | 40                |
|                                                           | Height Difference Between Indoor Units                              | m                             | 40                |
|                                                           | Height Difference Between Outdoor Units                             | m                             | 5                 |
|                                                           | Electrical                                                          | Voltage Range Minimum/Maximum | V                 |
| Electrical Characteristic Running Current Cooling/Heating |                                                                     | A                             | 23.74/19.46       |
| Power Supply Wiring Starting Current                      |                                                                     | A                             | Soft Start        |
| Power Supply                                              |                                                                     | V/ph/Hz                       | 380-415/3/50      |
| Suggested Fused Supply(s)                                 |                                                                     | A                             | 40                |

\*All [Accessories](#) / [Controls](#)

Related items:

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Refrigerant cycle](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Noise curve data](#)
- [Installation manual](#)



## VRF SHRMU R410a: MMY - MUP2001FT8P-E

### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

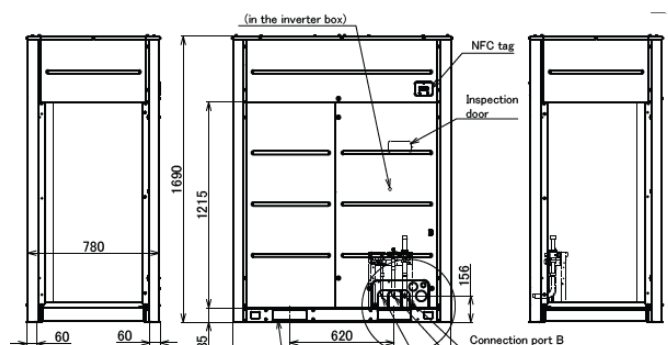
### Performance & Outdoor Data

|                                |                                                                     |         |                   |
|--------------------------------|---------------------------------------------------------------------|---------|-------------------|
| Capacity Range                 |                                                                     | HP      | 20                |
| Maximum Number of Indoor Units |                                                                     | QTY     | 45                |
| Cooling Capacity               |                                                                     | kW      | 56.0              |
| Heating capacity Rated/Max     |                                                                     | kW      | 56.0/63.0         |
| Operating Range                | Cooling                                                             | °C      | -10.0 to 52.0     |
|                                | Heating                                                             |         | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW      | 17.67             |
|                                | EER/SEER/Energy Efficiency Class (or ηsc %)                         |         | 3.17/7.77/307.8   |
| Heating                        | Power Consumption (Rated)                                           | kW      | 14.62             |
|                                | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |         | 3.83/4.29/168.6   |
| Fan(s)                         | Standard Air Flow H                                                 | l/s     | 4444              |
|                                | Standard Air Flow H                                                 | m3/h    | 16000             |
|                                | External Static Pressure                                            | Pa      | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)   | 63/67             |
|                                | Power Level C/H                                                     |         | 86/90             |
| Unit(s)                        | Height x Width x Depth                                              | mm      | 1690 x 1290 x 780 |
|                                | Weight                                                              | kg      | 352               |
|                                | Refrigerant Base Charge                                             | kg      | 9                 |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch    | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch    | 7/8               |
|                                | Liquid Pipe - Diameter                                              | inch    | 5/8               |
| Maximum                        | Equivalent Length                                                   | m       | 200               |
|                                | Real Length                                                         | m       | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m       | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m       | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m       | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m       | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m       | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m       | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m       | 50                |
|                                | Equivalent Length Between Branches                                  | m       | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m       | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m       | 40                |
|                                | Height Difference Between Indoor Units                              | m       | 40                |
|                                | Height Difference Between Outdoor Units                             | m       | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V       | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A       | 27.06/22.6        |
|                                | Power Supply Wiring Starting Current                                | A       | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A       | 40                |

\*All [Accessories](#) / [Controls](#)

Related items:

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Refrigerant cycle](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Noise curve data](#)
- [Installation manual](#)



### VRF SHRMU R410a: MMY - MUP2201FT8P-E

#### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image



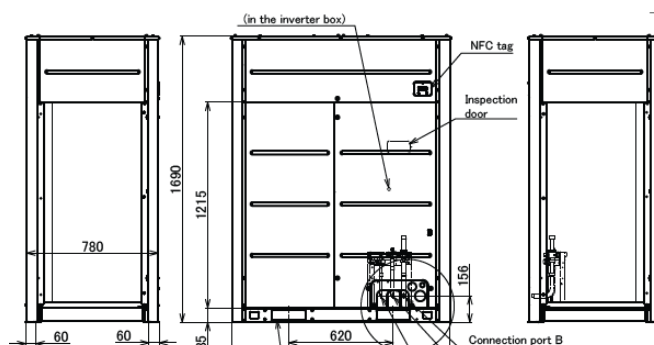
#### Performance & Outdoor Data

|                                |                                                                     |                 |
|--------------------------------|---------------------------------------------------------------------|-----------------|
| Capacity Range                 | HP                                                                  | 22              |
| Maximum Number of Indoor Units | QTY                                                                 | 49              |
| Cooling Capacity               | kW                                                                  | 61.5            |
| Heating capacity Rated/Max     | kW                                                                  | 61.5/69.0       |
| Operating Range                | Cooling                                                             | °C              |
|                                | Heating                                                             | -10.0 to 52.0   |
| Cooling                        | Power Consumption                                                   | kW              |
|                                | EER/SEER/Energy Efficiency Class (or ηsc %)                         | 20.23           |
| Heating                        | Power Consumption (Rated)                                           | kW              |
|                                | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      | 3.04/7.30/277.4 |
| Fan(s)                         | Standard Air Flow H                                                 | l/s             |
|                                | Standard Air Flow H                                                 | 4556            |
|                                | External Static Pressure                                            | m3/h            |
|                                | Pressure Level C/H                                                  | Pa              |
| Sound                          | Power Level C/H                                                     | 80              |
|                                | Height x Width x Depth                                              | dB(A)           |
| Unit(s)                        | Weight                                                              | 63/67           |
|                                | Refrigerant Base Charge                                             | kg              |
|                                | Suction Gas Pipe - Diameter                                         | 376             |
| Pipe Connections               | Discharge Pipe - Diameter                                           | kg              |
|                                | Liquid Pipe - Diameter                                              | 9               |
|                                | Equivalent Length                                                   | inch            |
|                                | Real Length                                                         | 1 1/8           |
|                                | Total Pipe Length (Liquid Line Real Length)                         | inch            |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | 3/4             |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | 200             |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m               |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | 180             |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | 500             |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m               |
|                                | Equivalent Length Between Branches                                  | 100             |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | 85              |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | 15              |
|                                | Height Difference Between Indoor Units                              | 50              |
|                                | Height Difference Between Outdoor Units                             | 50              |
|                                | Voltage Range Minimum/Maximum                                       | 90              |
|                                | Electrical Characteristic Running Current Cooling/Heating           | 40              |
|                                | Power Supply Wiring Starting Current                                | 40              |
|                                | Power Supply                                                        | 5               |
|                                | Suggested Fused Supply(s)                                           | 380/415         |
|                                |                                                                     | A               |
|                                |                                                                     | 31.21/25.61     |
|                                |                                                                     | A               |
|                                |                                                                     | Soft Start      |
|                                |                                                                     | V/ph/Hz         |
|                                |                                                                     | 380-415/3/50    |
|                                |                                                                     | A               |
|                                |                                                                     | 50              |

\*All [Accessories](#) / [Controls](#)

Related items:

- [Refrigerant cycle](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Noise curve data](#)
- [Installation manual](#)



### VRF SHRMU R410a: MMY - MUP2401FT8P-E

#### STAND ALONE

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



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Hi - Res Image

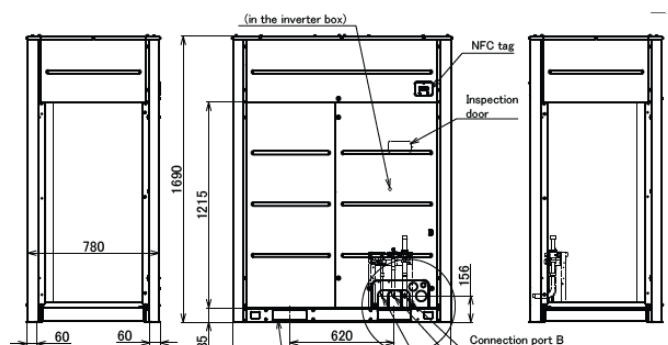
#### Performance & Outdoor Data

|                                      |                                                                     |                                                           |                   |             |
|--------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|-------------------|-------------|
| Capacity Range                       |                                                                     | HP                                                        | 24                |             |
| Maximum Number of Indoor Units       |                                                                     | QTY                                                       | 54                |             |
| Cooling Capacity                     |                                                                     | kW                                                        | 64.5              |             |
| Heating capacity Rated/Max           |                                                                     | kW                                                        | 64.5/70.0         |             |
| Operating Range                      | Cooling                                                             | °C                                                        | -10.0 to 52.0     |             |
|                                      | Heating                                                             |                                                           | -25.0 to 15.5     |             |
| Cooling                              | Power Consumption                                                   | kW                                                        | 23.54             |             |
|                                      | EER/SEER/Energy Efficiency Class (or ηsc %)                         |                                                           | 2.74/6.66/263.4   |             |
| Heating                              | Power Consumption (Rated)                                           | kW                                                        | 18.27             |             |
|                                      | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |                                                           | 3.53/4.04/158.6   |             |
| Fan(s)                               | Standard Air Flow H                                                 | l/s                                                       | 4556              |             |
|                                      | Standard Air Flow H                                                 | m3/h                                                      | 16400             |             |
|                                      | External Static Pressure                                            | Pa                                                        | 80                |             |
| Sound                                | Pressure Level C/H                                                  | dB(A)                                                     | 63/67             |             |
|                                      | Power Level C/H                                                     | dB(A)                                                     | 86/90             |             |
| Unit(s)                              | Height x Width x Depth                                              | mm                                                        | 1690 x 1290 x 780 |             |
|                                      | Weight                                                              | kg                                                        | 376               |             |
| Pipe Connections                     | Refrigerant Base Charge                                             | kg                                                        | 9                 |             |
|                                      | Suction Gas Pipe - Diameter                                         | inch                                                      | 1 1/8             |             |
|                                      | Discharge Pipe - Diameter                                           | inch                                                      | 7/8               |             |
| Maximum                              | Liquid Pipe - Diameter                                              | inch                                                      | 3/4               |             |
|                                      | Equivalent Length                                                   | m                                                         | 200               |             |
|                                      | Real Length                                                         | m                                                         | 180               |             |
|                                      | Total Pipe Length (Liquid Line Real Length)                         | m                                                         | 500               |             |
|                                      | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                         | 100               |             |
|                                      | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                         | 85                |             |
|                                      | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                         | 15                |             |
|                                      | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                         | 50                |             |
|                                      | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                         | 50                |             |
|                                      | Real Length Of Indoor Unit Connecting Piping                        | m                                                         | 50                |             |
|                                      | Equivalent Length Between Branches                                  | m                                                         | 50                |             |
|                                      | Height Difference Outdoor Higher Than Indoor Units                  | m                                                         | 90                |             |
|                                      | Height Difference Outdoor Lower Than Indoor Units                   | m                                                         | 40                |             |
|                                      | Height Difference Between Indoor Units                              | m                                                         | 40                |             |
|                                      | Height Difference Between Outdoor Units                             | m                                                         | 5                 |             |
|                                      | Electrical                                                          | Voltage Range Minimum/Maximum                             | V                 | 380/415     |
|                                      |                                                                     | Electrical Characteristic Running Current Cooling/Heating | A                 | 36.19/28.63 |
| Power Supply Wiring Starting Current |                                                                     | A                                                         | Soft Start        |             |
| Power Supply                         |                                                                     | V/ph/Hz                                                   | 380-415/3/50      |             |
| Suggested Fused Supply(s)            |                                                                     | A                                                         | 63                |             |

\*All [Accessories](#) / [Controls](#)

Related items:

- [Refrigerant cycle](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Noise curve data](#)
- [Installation manual](#)



### VRF SHRMU R410a: MMY - UP2611FT8P-E

#### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



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#### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP2611FT8P-E<br>MUP1401FT8P-E<br>MUP1201FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                             | 26                |
| Maximum Number of Indoor Units |                                                                     | QTY                                            | 58                |
| Cooling Capacity               |                                                                     | kW                                             | 73.5              |
| Heating capacity Rated/Max     |                                                                     | kW                                             | 73.5/82.5         |
| Operating Range                | Cooling                                                             | °C                                             | -10.0 to 52.0     |
|                                | Heating                                                             |                                                | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                             | 24.27             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                | 3.02/7.19         |
| Heating                        | Power Consumption (Rated)                                           | kW                                             | 18.82             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                | 3.90/4.45         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                            | 7333              |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                              | 26400             |
|                                | External Static Pressure                                            | Pa                                             | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                          | 63/66             |
|                                | Power Level C/H                                                     | dB(A)                                          | 84/87             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                             | 1690 x 1980 x 780 |
|                                | Weight                                                              | kg                                             | 250 x2            |
|                                | Refrigerant Base Charge                                             | kg                                             | 12                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                           | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                           | 3/4               |
|                                | Liquid Pipe - Diameter                                              | inch                                           | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                              | 200               |
|                                | Real Length                                                         | m                                              | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                              | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                              | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                              | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                              | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                              | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                              | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                              | 50                |
|                                | Equivalent Length Between Branches                                  | m                                              | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                              | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                              | 40                |
|                                | Height Difference Between Indoor Units                              | m                                              | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                              | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                              | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                              | 38.0/29.73        |
|                                | Power Supply Wiring Starting Current                                | A                                              | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                        | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                              | 40 + 32           |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP2811FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP2811FT8P-E<br>MUP1401FT8P-E x2 |                   |
|--------------------------------|---------------------------------------------------------------------|----------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                               | 28                |
| Maximum Number of Indoor Units |                                                                     | QTY                              | 63                |
| Cooling Capacity               |                                                                     | kW                               | 80.0              |
| Heating capacity Rated/Max     |                                                                     | kW                               | 80.0/90.0         |
| Operating Range                | Cooling                                                             | °C                               | -10.0 to 52.0     |
|                                | Heating                                                             |                                  | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                               | 28.36             |
|                                | EER/SEER/Energy Efficiency Class (or ηsc %)                         |                                  | 2.82/7.11         |
| Heating                        | Power Consumption (Rated)                                           | kW                               | 22.10             |
|                                | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |                                  | 3.61/4.30         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                              | 7500              |
|                                | Standard Air Flow H                                                 | m3/h                             | 27000             |
|                                | External Static Pressure                                            | Pa                               | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                            | 63/67             |
|                                | Power Level C/H                                                     | dB(A)                            | 84/88             |
| Unit(s)                        | Height x Width x Depth                                              | mm                               | 1690 x 1980 x 780 |
|                                | Weight                                                              | kg                               | 250 x2            |
|                                | Refrigerant Base Charge                                             | kg                               | 12                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                             | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                             | 3/4               |
|                                | Liquid Pipe - Diameter                                              | inch                             | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                | 200               |
|                                | Real Length                                                         | m                                | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                | 50                |
|                                | Equivalent Length Between Branches                                  | m                                | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                | 40                |
|                                | Height Difference Between Indoor Units                              | m                                | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                | 44.0/34.50        |
|                                | Power Supply Wiring Starting Current                                | A                                | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                          | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                | 40 + 40           |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP3011FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP2811FT8P-E<br>MUP2001FT8P-E<br>MUP1001FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                             | 30                |
| Maximum Number of Indoor Units |                                                                     | QTY                                            | 64                |
| Cooling Capacity               |                                                                     | kW                                             | 84.0              |
| Heating capacity Rated/Max     |                                                                     | kW                                             | 84.0/94.5         |
| Operating Range                | Cooling                                                             | °C                                             | -10.0 to 52.0     |
|                                | Heating                                                             |                                                | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                             | 25.43             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                | 3.30/7.65         |
| Heating                        | Power Consumption (Rated)                                           | kW                                             | 21.69             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                | 3.87/4.50         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                            | 7472              |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                              | 26900             |
|                                | External Static Pressure                                            | Pa                                             | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                          | 64/68             |
|                                | Power Level C/H                                                     | dB(A)                                          | 87/91             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                             | 1690 x 2280 x 780 |
|                                | Weight                                                              | kg                                             | 352 + 250         |
|                                | Refrigerant Base Charge                                             | kg                                             | 15                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                           | 1 1/8 - 7/8       |
|                                | Discharge Pipe - Diameter                                           | inch                                           | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                                           | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                              | 200               |
|                                | Real Length                                                         | m                                              | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                              | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                              | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                              | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                              | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                              | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                              | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                              | 50                |
|                                | Equivalent Length Between Branches                                  | m                                              | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                              | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                              | 40                |
|                                | Height Difference Between Indoor Units                              | m                                              | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                              | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                              | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                              | 39.0/34.28        |
|                                | Power Supply Wiring Starting Current                                | A                                              | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                        | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                              | 40 + 25           |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP3211FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



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SUPER HEAT RECOVERY MULTI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP2811FT8P-E<br>MUP2001FT8P-E x 2 |                   |
|--------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                | 32                |
| Maximum Number of Indoor Units |                                                                     | QTY                               | 65                |
| Cooling Capacity               |                                                                     | kW                                | 89.5              |
| Heating capacity Rated/Max     |                                                                     | kW                                | 89.5/100.5        |
| Operating Range                | Cooling                                                             | °C                                | -10.0 to 52.0     |
|                                | Heating                                                             |                                   | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                | 27.76             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                   | 3.22/7.56         |
| Heating                        | Power Consumption (Rated)                                           | kW                                | 22.39             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                   | 3.99/4.49         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                               | 8028              |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                 | 28900             |
|                                | External Static Pressure                                            | Pa                                | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                             | 65/68             |
|                                | Power Level C/H                                                     | dB(A)                             | 87/91             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                | 1690 x 2280 x 780 |
|                                | Weight                                                              | kg                                | 352 + 250         |
|                                | Refrigerant Base Charge                                             | kg                                | 15                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                              | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                              | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                              | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                 | 200               |
|                                | Real Length                                                         | m                                 | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                 | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                 | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                 | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                 | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                 | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                 | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                 | 50                |
|                                | Equivalent Length Between Branches                                  | m                                 | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                 | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                 | 40                |
|                                | Height Difference Between Indoor Units                              | m                                 | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                 | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                 | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                 | 43.0/35.07        |
|                                | Power Supply Wiring Starting Current                                | A                                 | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                           | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                 | 40 + 32           |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP3411FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP3411FT8P-E<br>MUP2001FT8P-E<br>MUP1401FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                             | 34                |
| Maximum Number of Indoor Units |                                                                     | QTY                                            | 66                |
| Cooling Capacity               |                                                                     | kW                                             | 96.0              |
| Heating capacity Rated/Max     |                                                                     | kW                                             | 96/108.0          |
| Operating Range                | Cooling                                                             | °C                                             | -10.0 to 52.0     |
|                                | Heating                                                             |                                                | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                             | 31.85             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                | 3.01/7.40         |
| Heating                        | Power Consumption (Rated)                                           | kW                                             | 25.67             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                | 3.73/4.36         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                            | 8194              |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                              | 29500             |
|                                | External Static Pressure                                            | Pa                                             | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                          | 65/67             |
|                                | Power Level C/H                                                     | dB(A)                                          | 87/91             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                             | 1690 x 2280 x 780 |
|                                | Weight                                                              | kg                                             | 352 + 250         |
|                                | Refrigerant Base Charge                                             | kg                                             | 15                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                           | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                           | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                                           | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                              | 200               |
|                                | Real Length                                                         | m                                              | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                              | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                              | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                              | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                              | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                              | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                              | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                              | 50                |
|                                | Equivalent Length Between Branches                                  | m                                              | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                              | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                              | 40                |
|                                | Height Difference Between Indoor Units                              | m                                              | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                              | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                              | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                              | 49.0/39.85        |
|                                | Power Supply Wiring Starting Current                                | A                                              | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                        | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                              | 40 + 40           |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP3611FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP3611FT8P-E<br>MUP2001FT8P-E<br>MUP1601FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                             | 36                |
| Maximum Number of Indoor Units |                                                                     | QTY                                            | 67                |
| Cooling Capacity               |                                                                     | kW                                             | 101.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                             | 101.0/113.0       |
| Operating Range                | Cooling                                                             | °C                                             | -10.0 to 52.0     |
|                                | Heating                                                             |                                                | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                             | 31.18             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                | 3.23/7.86         |
| Heating                        | Power Consumption (Rated)                                           | kW                                             | 26.56             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                | 3.80/4.51         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                            | 8556              |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                              | 30800             |
|                                | External Static Pressure                                            | Pa                                             | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                          | 65/69             |
|                                | Power Level C/H                                                     | dB(A)                                          | 88/92             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                             | 1690 x 2560 x 780 |
|                                | Weight                                                              | kg                                             | 352 x 2           |
|                                | Refrigerant Base Charge                                             | kg                                             | 18                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                           | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                           | 7/8               |
|                                | Liquid Pipe - Diameter                                              | inch                                           | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                              | 200               |
|                                | Real Length                                                         | m                                              | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                              | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                              | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                              | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                              | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                              | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                              | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                              | 50                |
|                                | Equivalent Length Between Branches                                  | m                                              | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                              | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                              | 40                |
|                                | Height Difference Between Indoor Units                              | m                                              | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                              | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                              | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                              | 48.0/41.35        |
|                                | Power Supply Wiring Starting Current                                | A                                              | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                        | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                              | 40 + 40           |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP3811FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP3811FT8P-E<br>MUP2001FT8P-E<br>MUP1801FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                             | 38                |
| Maximum Number of Indoor Units |                                                                     | QTY                                            | 68                |
| Cooling Capacity               |                                                                     | kW                                             | 106.4             |
| Heating capacity Rated/Max     |                                                                     | kW                                             | 106.4/119.0       |
| Operating Range                | Cooling                                                             | °C                                             | -10.0 to 52.0     |
|                                | Heating                                                             |                                                | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                             | 33.08             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                | 3.21/7.83         |
| Heating                        | Power Consumption (Rated)                                           | kW                                             | 27.16             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                | 3.91/4.45         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                            | 8833              |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                              | 31800             |
|                                | External Static Pressure                                            | Pa                                             | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                          | 66/70             |
|                                | Power Level C/H                                                     | dB(A)                                          | 89/93             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                             | 1690 x 2560 x 780 |
|                                | Weight                                                              | kg                                             | 352 x 2           |
|                                | Refrigerant Base Charge                                             | kg                                             | 18                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                           | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                           | 7/8               |
|                                | Liquid Pipe - Diameter                                              | inch                                           | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                              | 200               |
|                                | Real Length                                                         | m                                              | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                              | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                              | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                              | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                              | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                              | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                              | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                              | 50                |
|                                | Equivalent Length Between Branches                                  | m                                              | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                              | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                              | 40                |
|                                | Height Difference Between Indoor Units                              | m                                              | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                              | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                              | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                              | 51.0/42.06        |
|                                | Power Supply Wiring Starting Current                                | A                                              | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                        | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                              | 40 + 40           |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP401 1FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP401 1FT8P-E<br>MUP2001FT8P-E x 2 |                   |
|--------------------------------|---------------------------------------------------------------------|------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                 | 40                |
| Maximum Number of Indoor Units |                                                                     | QTY                                | 69                |
| Cooling Capacity               |                                                                     | kW                                 | 112.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                 | 112.0/126.0       |
| Operating Range                | Cooling                                                             | °C                                 | -10.0 to 52.0     |
|                                | Heating                                                             |                                    | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                 | 35.34             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                    | 3.16/7.77         |
| Heating                        | Power Consumption (Rated)                                           | kW                                 | 29.24             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                    | 3.83/4.29         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                | 8889              |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                  | 32000             |
|                                | External Static Pressure                                            | Pa                                 | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                              | 66/70             |
|                                | Power Level C/H                                                     | dB(A)                              | 89/93             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                 | 1690 x 2560 x 780 |
|                                | Weight                                                              | kg                                 | 352 x 2           |
|                                | Refrigerant Base Charge                                             | kg                                 | 18                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                               | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                               | 7/8               |
|                                | Liquid Pipe - Diameter                                              | inch                               | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                  | 200               |
|                                | Real Length                                                         | m                                  | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                  | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                  | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                  | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                  | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                  | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                  | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                  | 50                |
|                                | Equivalent Length Between Branches                                  | m                                  | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                  | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                  | 40                |
|                                | Height Difference Between Indoor Units                              | m                                  | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                  | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                  | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                  | 54.0/45.19        |
|                                | Power Supply Wiring Starting Current                                | A                                  | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                            | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                  | 40 + 40           |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP4211FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP4211FT8P-E<br>MUP1401FT8P-E x 3 |                   |
|--------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                | 42                |
| Maximum Number of Indoor Units |                                                                     | QTY                               | 70                |
| Cooling Capacity               |                                                                     | kW                                | 120.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                | 120.0/135.0       |
| Operating Range                | Cooling                                                             | °C                                | -10.0 to 52.0     |
|                                | Heating                                                             |                                   | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                | 42.54             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                   | 2.82/7.11         |
| Heating                        | Power Consumption (Rated)                                           | kW                                | 33.15             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                   | 3.61/4.30         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                               | 11250             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                 | 40500             |
|                                | External Static Pressure                                            | Pa                                | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                             | 65/69             |
|                                | Power Level C/H                                                     | dB(A)                             | 86/90             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                | 1690 x 2970 x 780 |
|                                | Weight                                                              | kg                                | 250 x 3           |
|                                | Refrigerant Base Charge                                             | kg                                | 18                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                              | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                              | 3/4               |
|                                | Liquid Pipe - Diameter                                              | inch                              | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                 | 200               |
|                                | Real Length                                                         | m                                 | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                 | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                 | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                 | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                 | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                 | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                 | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                 | 50                |
|                                | Equivalent Length Between Branches                                  | m                                 | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                 | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                 | 40                |
|                                | Height Difference Between Indoor Units                              | m                                 | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                 | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                 | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                 | 66.0/51.76        |
|                                | Power Supply Wiring Starting Current                                | A                                 | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                           | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                 | 40 x3             |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP4411FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP4411FT8P-E<br>MUP2001FT8P-E<br>MUP1401FT8P-E<br>MUP1001FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                                              | 44                |
| Maximum Number of Indoor Units |                                                                     | QTY                                                             | 71                |
| Cooling Capacity               |                                                                     | kW                                                              | 124.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                                              | 124.0/139.5       |
| Operating Range                | Cooling                                                             | °C                                                              | -10.0 to 52.0     |
|                                | Heating                                                             |                                                                 | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                                              | 39.61             |
|                                | EER/SEER/Energy Efficiency Class (or ηsc %)                         |                                                                 | 3.13/7.48         |
| Heating                        | Power Consumption (Rated)                                           | kW                                                              | 32.74             |
|                                | COP/SCOP/Energy Efficiency Class (or ηsc(A) %)                      |                                                                 | 3.78/4.43         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                                             | 11222             |
|                                | Standard Air Flow H                                                 | m3/h                                                            | 40400             |
|                                | External Static Pressure                                            | Pa                                                              | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                                           | 65/69             |
|                                | Power Level C/H                                                     | dB(A)                                                           | 88/92             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                                              | 1690 x 3270 x 780 |
|                                | Weight                                                              | kg                                                              | 352 + 250 x2      |
|                                | Refrigerant Base Charge                                             | kg                                                              | 21                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                                            | 1 1/8 - 7/8       |
|                                | Discharge Pipe - Diameter                                           | inch                                                            | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                                                            | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                                               | 200               |
|                                | Real Length                                                         | m                                                               | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                                               | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                               | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                               | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                               | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                               | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                               | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                                               | 50                |
|                                | Equivalent Length Between Branches                                  | m                                                               | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                                               | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                                               | 40                |
|                                | Height Difference Between Indoor Units                              | m                                                               | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                                               | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                                               | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                                               | 61.0/51.54        |
|                                | Power Supply Wiring Starting Current                                | A                                                               | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                                         | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                                               | 40 x2 + 25        |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

### VRF SHRMU R410a: MMY - UP4611FT8P-E

#### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

#### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP4611FT8P-E<br>MUP2001FT8P-E<br>MUP1401FT8P-E<br>MUP1201FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                                              | 46                |
| Maximum Number of Indoor Units |                                                                     | QTY                                                             | 72                |
| Cooling Capacity               |                                                                     | kW                                                              | 129.5             |
| Heating capacity Rated/Max     |                                                                     | kW                                                              | 129.5/149.5       |
| Operating Range                | Cooling                                                             | °C                                                              | -10.0 to 52.0     |
|                                | Heating                                                             |                                                                 | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                                              | 41.95             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                                 | 3.08/7.47         |
| Heating                        | Power Consumption (Rated)                                           | kW                                                              | 33.44             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                                 | 3.87/4.43         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                                             | 11778             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                                               | 42400             |
|                                | External Static Pressure                                            | Pa                                                              | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                                           | 66/70             |
|                                | Power Level C/H                                                     | dB(A)                                                           | 88/92             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                                              | 1690 x 3270 x 780 |
|                                | Weight                                                              | kg                                                              | 352 + 250 x2      |
|                                | Refrigerant Base Charge                                             | kg                                                              | 21                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                                            | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                                            | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                                                            | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                                               | 200               |
|                                | Real Length                                                         | m                                                               | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                                               | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                               | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                               | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                               | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                               | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                               | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                                               | 50                |
|                                | Equivalent Length Between Branches                                  | m                                                               | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                                               | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                                               | 40                |
|                                | Height Difference Between Indoor Units                              | m                                                               | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                                               | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                                               | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                                               | 65.0/52.33        |
|                                | Power Supply Wiring Starting Current                                | A                                                               | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                                         | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                                               | 40 x 2 + 32       |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

### VRF SHRMU R410a: MMY - UP4811FT8P-E

#### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



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#### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP4811FT8P-E<br>MUP2001FT8P-E<br>MUP1401FT8P-E x 2 |                   |
|--------------------------------|---------------------------------------------------------------------|----------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                                 | 48                |
| Maximum Number of Indoor Units |                                                                     | QTY                                                | 73                |
| Cooling Capacity               |                                                                     | kW                                                 | 136.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                                 | 136.0/153.0       |
| Operating Range                | Cooling                                                             | °C                                                 | -10.0 to 52.0     |
|                                | Heating                                                             |                                                    | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                                 | 46.03             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                    | 2.95/7.35         |
| Heating                        | Power Consumption (Rated)                                           | kW                                                 | 36.72             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                    | 3.18/4.33         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                                | 11944             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                                  | 43000             |
|                                | External Static Pressure                                            | Pa                                                 | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                              | 66/70             |
|                                | Power Level C/H                                                     |                                                    | 88/92             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                                 | 1690 x 3270 x 780 |
|                                | Weight                                                              | kg                                                 | 352 + 250 x2      |
|                                | Refrigerant Base Charge                                             | kg                                                 | 21                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                               | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                               | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                                               | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                                  | 200               |
|                                | Real Length                                                         | m                                                  | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                                  | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                  | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                  | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                  | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                  | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                  | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                                  | 50                |
|                                | Equivalent Length Between Branches                                  | m                                                  | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                                  | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                                  | 40                |
|                                | Height Difference Between Indoor Units                              | m                                                  | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                                  | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                                  | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                                  | 71.0/57.10        |
|                                | Power Supply Wiring Starting Current                                | A                                                  | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                            | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                                  | 40 x 3            |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP501 1FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP501 1FT8P-E<br>MUP2001FT8P-E x 2<br>MUP1001FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|-----------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                                  | 50                |
| Maximum Number of Indoor Units |                                                                     | QTY                                                 | 74                |
| Cooling Capacity               |                                                                     | kW                                                  | 140.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                                  | 140.0/157.5       |
| Operating Range                | Cooling                                                             | °C                                                  | -10.0 to 52.0     |
|                                | Heating                                                             |                                                     | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                                  | 43.10             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                     | 3.24/7.74         |
| Heating                        | Power Consumption (Rated)                                           | kW                                                  | 36.31             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                     | 3.85/4.46         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                                 | 11916             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                                   | 42900             |
|                                | External Static Pressure                                            | Pa                                                  | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                               | 67/71             |
|                                | Power Level C/H                                                     | dB(A)                                               | 90/93             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                                  | 1690 x 3570 x 780 |
|                                | Weight                                                              | kg                                                  | 352 x 2 + 250     |
|                                | Refrigerant Base Charge                                             | kg                                                  | 24                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                                | 1 1/8 - 7/8       |
|                                | Discharge Pipe - Diameter                                           | inch                                                | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                                                | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                                   | 200               |
|                                | Real Length                                                         | m                                                   | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                                   | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                   | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                   | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                   | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                   | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                   | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                                   | 50                |
|                                | Equivalent Length Between Branches                                  | m                                                   | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                                   | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                                   | 40                |
|                                | Height Difference Between Indoor Units                              | m                                                   | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                                   | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                                   | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                                   | 67.0/56.68        |
|                                | Power Supply Wiring Starting Current                                | A                                                   | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                             | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                                   | 40 x 2 + 25       |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP5211FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP5211FT8P-E<br>MUP2001FT8P-E x 2<br>MUP1201FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|----------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                                 | 52                |
| Maximum Number of Indoor Units |                                                                     | QTY                                                | 75                |
| Cooling Capacity               |                                                                     | kW                                                 | 145.5             |
| Heating capacity Rated/Max     |                                                                     | kW                                                 | 145.5/163.5       |
| Operating Range                | Cooling                                                             | °C                                                 | -10.0 to 52.0     |
|                                | Heating                                                             |                                                    | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                                 | 45.43             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                    | 3.20/7.66         |
| Heating                        | Power Consumption (Rated)                                           | kW                                                 | 37.01             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                    | 3.93/4.46         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                                | 12472             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                                  | 44900             |
|                                | External Static Pressure                                            | Pa                                                 | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                              | 67/71             |
|                                | Power Level C/H                                                     | dB(A)                                              | 90/94             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                                 | 1690 x 3570 x 780 |
|                                | Weight                                                              | kg                                                 | 352 x 2 + 250     |
|                                | Refrigerant Base Charge                                             | kg                                                 | 24                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                               | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                               | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                                               | 5/8 - 1/2         |
| Maximum                        | Equivalent Length                                                   | m                                                  | 200               |
|                                | Real Length                                                         | m                                                  | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                                  | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                  | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                  | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                  | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                  | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                  | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                                  | 50                |
|                                | Equivalent Length Between Branches                                  | m                                                  | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                                  | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                                  | 40                |
|                                | Height Difference Between Indoor Units                              | m                                                  | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                                  | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                                  | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                                  | 70.0/57.67        |
|                                | Power Supply Wiring Starting Current                                | A                                                  | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                            | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                                  | 40 x 2 + 32       |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

### VRF SHRMU R410a: MMY - UP541 1FT8P-E

#### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



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#### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP541 1FT8P-E<br>MUP2001FT8P-E x 2<br>MUP1401FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|-----------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                                  | 54                |
| Maximum Number of Indoor Units |                                                                     | QTY                                                 | 76                |
| Cooling Capacity               |                                                                     | kW                                                  | 152.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                                  | 152.0/171.0       |
| Operating Range                | Cooling                                                             | °C                                                  | -10.0 to 52.0     |
|                                | Heating                                                             |                                                     | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                                  | 49.52             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                     | 3.06/7.56         |
| Heating                        | Power Consumption (Rated)                                           | kW                                                  | 40.29             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                     | 3.77/4.37         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                                 | 12639             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                                   | 45500             |
|                                | External Static Pressure                                            | Pa                                                  | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                               | 67/71             |
|                                | Power Level C/H                                                     | dB(A)                                               | 90/94             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                                  | 1690 x 3570 x 780 |
|                                | Weight                                                              | kg                                                  | 352 x 2 + 250     |
|                                | Refrigerant Base Charge                                             | kg                                                  | 24                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                                | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                                | 7/8 - 3/4         |
|                                | Liquid Pipe - Diameter                                              | inch                                                | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                                   | 200               |
|                                | Real Length                                                         | m                                                   | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                                   | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                   | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                   | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                   | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                   | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                   | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                                   | 50                |
|                                | Equivalent Length Between Branches                                  | m                                                   | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                                   | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                                   | 40                |
|                                | Height Difference Between Indoor Units                              | m                                                   | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                                   | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                                   | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                                   | 76.0/62.44        |
|                                | Power Supply Wiring Starting Current                                | A                                                   | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                             | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                                   | 40 x 3            |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP5611FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



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### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP5611FT8P-E<br>MUP2001FT8P-E x 2<br>MUP1601FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|----------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                                 | 56                |
| Maximum Number of Indoor Units |                                                                     | QTY                                                | 77                |
| Cooling Capacity               |                                                                     | kW                                                 | 157.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                                 | 157.0/176.0       |
| Operating Range                | Cooling                                                             | °C                                                 | -10.0 to 52.0     |
|                                | Heating                                                             |                                                    | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                                 | 48.85             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                    | 3.21/7.83         |
| Heating                        | Power Consumption (Rated)                                           | kW                                                 | 41.18             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                    | 3.48/4.47         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                                | 13000             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                                  | 46800             |
|                                | External Static Pressure                                            | Pa                                                 | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                              | 67/71             |
|                                | Power Level C/H                                                     | dB(A)                                              | 90/94             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                                 | 1690 x 3870 x 780 |
|                                | Weight                                                              | kg                                                 | 352 x 3           |
|                                | Refrigerant Base Charge                                             | kg                                                 | 27                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                               | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                               | 7/8               |
|                                | Liquid Pipe - Diameter                                              | inch                                               | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                                  | 200               |
|                                | Real Length                                                         | m                                                  | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                                  | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                  | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                  | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                  | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                  | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                  | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                                  | 50                |
|                                | Equivalent Length Between Branches                                  | m                                                  | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                                  | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                                  | 40                |
|                                | Height Difference Between Indoor Units                              | m                                                  | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                                  | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                                  | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                                  | 75.0/63.95        |
|                                | Power Supply Wiring Starting Current                                | A                                                  | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                            | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                                  | 40 x 3            |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

### VRF SHRMU R410a: MMY - UP5811FT8P-E

#### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image

#### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP5811FT8P-E<br>MUP2001FT8P-E x 2<br>MUP1801FT8P-E |                   |
|--------------------------------|---------------------------------------------------------------------|----------------------------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                                 | 58                |
| Maximum Number of Indoor Units |                                                                     | QTY                                                | 78                |
| Cooling Capacity               |                                                                     | kW                                                 | 162.4             |
| Heating capacity Rated/Max     |                                                                     | kW                                                 | 162.4/182.0       |
| Operating Range                | Cooling                                                             | °C                                                 | -10.0 to 52.0     |
|                                | Heating                                                             |                                                    | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                                 | 50.75             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                                    | 3.20/7.80         |
| Heating                        | Power Consumption (Rated)                                           | kW                                                 | 41.78             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                                    | 3.88/4.43         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                                                | 13278             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                                  | 47800             |
|                                | External Static Pressure                                            | Pa                                                 | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                                              | 68/72             |
|                                | Power Level C/H                                                     |                                                    | 91/95             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                                 | 1690 x 3870 x 780 |
|                                | Weight                                                              | kg                                                 | 352 x 3           |
|                                | Refrigerant Base Charge                                             | kg                                                 | 27                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                                               | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                                               | 7/8               |
|                                | Liquid Pipe - Diameter                                              | inch                                               | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                                  | 200               |
|                                | Real Length                                                         | m                                                  | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                                  | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                                  | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                                  | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                                  | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                                  | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                                  | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                                  | 50                |
|                                | Equivalent Length Between Branches                                  | m                                                  | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                                  | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                                  | 40                |
|                                | Height Difference Between Indoor Units                              | m                                                  | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                                  | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                                  | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                                  | 78.0/64.65        |
|                                | Power Supply Wiring Starting Current                                | A                                                  | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                                            | 380-415/3/50      |
| Suggested Fused Supply(s)      |                                                                     | A                                                  | 40 x 3            |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



\*For further information see stand alone data

## VRF SHRMU R410a: MMY - UP6011FT8P-E

### COMBINATIONS

- Easy installation
- Low operation cost
- Up to 101 indoor units per system
- Triple rotary compressor for 16 - 20 HP models
- High efficiency performance with SEER 32% higher and SCOP 25% higher than SHRMe



Retail Price (interactive icons):

UK



ROI



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Hi - Res Image 

### Performance & Outdoor Data

| Model & Combination            |                                                                     | UP6011FT8P-E<br>MUP2001FT8P-E x 3 |                   |
|--------------------------------|---------------------------------------------------------------------|-----------------------------------|-------------------|
| Capacity Range                 |                                                                     | HP                                | 60                |
| Maximum Number of Indoor Units |                                                                     | QTY                               | 79                |
| Cooling Capacity               |                                                                     | kW                                | 168.0             |
| Heating capacity Rated/Max     |                                                                     | kW                                | 168.0/189.0       |
| Operating Range                | Cooling                                                             | °C                                | -10.0 to 52.0     |
|                                | Heating                                                             |                                   | -25.0 to 15.5     |
| Cooling                        | Power Consumption                                                   | kW                                | 53.01             |
|                                | EER/SEER/Energy Efficiency Class (or η <sub>sc</sub> %)             |                                   | 3.16/7.77         |
| Heating                        | Power Consumption (Rated)                                           | kW                                | 43.86             |
|                                | COP/SCOP/Energy Efficiency Class (or η <sub>sc</sub> (A) %)         |                                   | 3.83/4.29         |
| Fan(s)                         | Standard Air Flow H                                                 | l/s                               | 13333             |
|                                | Standard Air Flow H                                                 | m <sup>3</sup> /h                 | 48000             |
|                                | External Static Pressure                                            | Pa                                | 80                |
| Sound                          | Pressure Level C/H                                                  | dB(A)                             | 68/72             |
|                                | Power Level C/H                                                     |                                   | 91/95             |
| Unit(s)                        | Height x Width x Depth                                              | mm                                | 1690 x 3870 x 780 |
|                                | Weight                                                              | kg                                | 352 x 3           |
|                                | Refrigerant Base Charge                                             | kg                                | 27                |
| Pipe Connections               | Suction Gas Pipe - Diameter                                         | inch                              | 1 1/8             |
|                                | Discharge Pipe - Diameter                                           | inch                              | 7/8               |
|                                | Liquid Pipe - Diameter                                              | inch                              | 5/8               |
| Maximum                        | Equivalent Length                                                   | m                                 | 200               |
|                                | Real Length                                                         | m                                 | 180               |
|                                | Total Pipe Length (Liquid Line Real Length)                         | m                                 | 500               |
|                                | Length To First Branch Height Difference Between Indoor Units ≤ 3 m | m                                 | 100               |
|                                | Length To First Branch Height Difference Between Indoor Units > 3 m | m                                 | 85                |
|                                | Equivalent Length Of Outdoor Unit Connecting Pipe                   | m                                 | 15                |
|                                | Real Length Between Single Port FS Unit and Indoor Unit             | m                                 | 50                |
|                                | Real Length Between Multi Port FS Unit and Indoor Unit              | m                                 | 50                |
|                                | Real Length Of Indoor Unit Connecting Piping                        | m                                 | 50                |
|                                | Equivalent Length Between Branches                                  | m                                 | 50                |
|                                | Height Difference Outdoor Higher Than Indoor Units                  | m                                 | 90                |
|                                | Height Difference Outdoor Lower Than Indoor Units                   | m                                 | 40                |
|                                | Height Difference Between Indoor Units                              | m                                 | 40                |
|                                | Height Difference Between Outdoor Units                             | m                                 | 5                 |
| Electrical                     | Voltage Range Minimum/Maximum                                       | V                                 | 380/415           |
|                                | Electrical Characteristic Running Current Cooling/Heating           | A                                 | 81.0/67.79        |
|                                | Power Supply Wiring Starting Current                                | A                                 | Soft Start        |
|                                | Power Supply                                                        | V/ph/Hz                           | 380-415/3/50      |
|                                | Suggested Fused Supply(s)                                           | A                                 | 40 x 3            |

\*Combination combined value, see stand alone for individual data

\*All [Accessories](#) / [Controls](#)



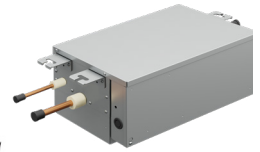
\*For further information see stand alone data

### VRF SHRMu R410a: Single flow selector boxes

Toshiba have designed a new range of single & multi flow selector boxes as well as safety shut off valve boxes. They have been designed to increase both the flexibility of the system, but also to enable the system to comply with the requirements of IEC60335-2-40 and EN378. To enable this compliance, both the Flow Selector (F/S) and Shut Off Valve (SV) boxes have been fitted with isolation valves



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI

Hi - Res Image

| Flow Selector Unit                        | RBM-        | YP1121FUVPE      | YP2801FUVPE      |
|-------------------------------------------|-------------|------------------|------------------|
| Height x Width x Depth                    | mm          | 206 x 385 x 282  | 206 x 385 x 282  |
| Weight                                    | kg          | 10               | 10               |
| Standard 2 Core Control Cable Max. Length | m           | <300             | <300             |
| Standard 3 Core Power Cable Max. Length   | m           | <50              | <50              |
| Individual Power Supply                   | V/ph/Hz - A | 220-240/1/50 - 6 | 220-240/1/50 - 6 |

#### Single Unit Connection For Flow Selector

| MM*-UP***                            |      | 007 to 012 | 015 to 018 | 024 to 030 | 072 to 096 |
|--------------------------------------|------|------------|------------|------------|------------|
| Indoor Unit Side Gas Pipe            | inch | 3/8        | 1/2        | 5/8        | 7/8        |
| Outdoor Unit Side Suction Gas Pipe   | inch | 5/8        | 5/8        | 5/8        | 7/8        |
| Outdoor Unit Side Discharge Gas Pipe | inch | 1/2        | 1/2        | 1/2        | 3/4        |
| Max. Pipe Length To Indoor Unit      | m    | 35         | 35         | 35         | 35         |

#### Multi Unit Connection For Flow Selector

| Indoor unit capacity code                   |      | Less than 4 hp | 6.4 hp or more<br>Less than 10 hp |
|---------------------------------------------|------|----------------|-----------------------------------|
| Indoor Unit Side Gas Pipe                   | inch | 5/8            | 7/8                               |
| Outdoor Unit Side Suction Gas Pipe          | inch | 5/8            | 7/8                               |
| Outdoor Unit Side Discharge Gas Pipe        | inch | 1/2            | 3/4                               |
| Max. Connectible Indoor Units               |      | 6              | 16                                |
| Max. Total Pipe Length                      | m    | 50             | 50                                |
| Max. Height Difference Between Indoor Units | m    | 15             | 15                                |

\*All [Accessories](#) / [Controls](#)

Related items - YP1121FUVPE:

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Installation manual](#)



Related items - YP2801FUVPE:

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Installation manual](#)



### VRF SHRMu R410a: Multi flow selector boxes

Toshiba have designed a new range of single & multi flow selector boxes as well as safety shut off valve boxes. They have been designed to increase both the flexibility of the system, but also to enable the system to comply with the requirements of IEC60335-2-40 and EN378. To enable this compliance, both the Flow Selector (F/S) and Shut Off Valve (SV) boxes have been fitted with isolation valves



Retail Price (interactive icons):



**SHRMu**  
SUPER HEAT RECOVERY MULTI



Downloadable hi-res images coming soon

| Multi Flow Selector Unit                                       | RBM-    | YP1801FUW4PE    | YP1801FUW8PE    | YP1801FUW12PE   |
|----------------------------------------------------------------|---------|-----------------|-----------------|-----------------|
| Height x Width x Depth                                         | mm      | 293 x 338 x 468 | 293 x 578 x 468 | 293 x 818 x 468 |
| Weight                                                         | kg      | 21              | 35              | 48              |
| Number of Ports                                                |         | 4               | 8               | 12              |
| Max. Connectible Indoor Units per Port                         |         | 10              | 10              | 10              |
| Max. Connectible Indoor Units                                  |         | 40              | 80              | 120             |
| Max. Remote Controller per Port Individual Indoor Unit Control |         | 10              | 10              | 10              |
| Max. Remote Controller per Port Group Indoor Unit Control      |         | 2               | 2               | 2               |
| Max. Pipe Length from Single Port                              | m       | 50              | 50              | 50              |
| Max. Total Pipe Length from All Ports                          | m       | 120             | 180             | 180             |
| Max. Height Difference Between Indoor Units                    | m       | 15              | 15              | 15              |
| Individual Power Supply                                        | V-ph-Hz | 220-240/1/50    | 220-240/1/50    | 220-240/1/50    |
| Suggested Fused Supply                                         | A       | 6               | 6               | 6               |

| Multi Unit Indoor Side Connection For Flow Selector |      |            |            |            |
|-----------------------------------------------------|------|------------|------------|------------|
| MM*-UP***                                           |      | 005 to 012 | 015 to 018 | 024 to 056 |
| Indoor Unit Side Gas Pipe Real Length ≤ 15 m        | inch | 3/8        | 1/2        | 5/8        |
| Indoor Unit Side Liquid Pipe Real Length ≤ 15 m     | inch | 1/4        | 1/4        | 3/8        |
| Indoor Unit Side Gas Pipe Real Length >15 m         | inch | 1/2        | 5/8        | 7/8        |
| Indoor Unit Side Liquid Pipe Real Length >15 m      | inch | 3/8        | 3/8        | 1/2        |
| Max. Pipe Length to Indoor Unit                     | m    | 50         | 50         | 50         |

| Multi Unit Outdoor Side Connection For Flow Selector |      | Less than 6.4 hp | 6.4 hp or more Less than 12.2 hp | 12.2 hp or more Less than 20.2 hp |
|------------------------------------------------------|------|------------------|----------------------------------|-----------------------------------|
| Indoor unit capacity code                            |      |                  |                                  |                                   |
| Outdoor Unit Side Suction Gas Pipe                   | inch | 5/8              | 7/8                              | 1-1/8                             |
| Outdoor Unit Side Discharge Gas Pipe                 | inch | 1/2              | 3/4                              | 7/8                               |
| Outdoor Unit Side Liquid Pipe                        | inch | 3/8              | 1/2                              | 5/8                               |

| Multi Unit Outdoor Side Connection For Flow Selector |      | 20.2 hp or more Less than 25.2 hp | 25.2 hp or more Less than 35.2 hp | 35.2 hp or more |
|------------------------------------------------------|------|-----------------------------------|-----------------------------------|-----------------|
| Indoor unit capacity code                            |      |                                   |                                   |                 |
| Outdoor Unit Side Suction Gas Pipe                   | inch | 1-1/4                             | 1-1/4                             | 1-3/8           |
| Outdoor Unit Side Discharge Gas Pipe                 | inch | 1-1/8                             | 1-1/8                             | 1-1/4           |
| Outdoor Unit Side Liquid Pipe                        | inch | 3/4                               | 3/4                               | 7/8             |

\*All [Accessories](#) / [Controls](#)

Related items - **YP1801FUW4PE:**

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Installation manual](#)

Related items - **YP1801FUW8PE:**

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Installation manual](#)

Related items - **YP1801FUW12PE:**

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Installation manual](#)

