

Technical Submittal

| PROJECT NAME | Rothschild | TEC SUB REFERENCE | TS013 |
|-----------------|--|-------------------|---|
| PROJECT ADDRESS | 20 Southampton PI, London, WC1A 2BP | COMPANY | Conditioned Environment Mechanical Services (CEMS) |
| DOCUMENT TITLE | TS013 – VRF Systems (Alternative) | WORKS PACKAGE | Mechanical |
| ISSUE DATE | 21 March 2022 | ISSUED BY | William Jones |

| | ITEM FOR APPROVAL | | | | | | | |
|---------------------------|---------------------------|------------|--|--|--|--|--|--|
| DESCRIPTION | ESCRIPTION VRF Systems | | | | | | | |
| MANUFACTURER | ANUFACTURER Daikin | | | | | | | |
| | Model | Quantit | y Description | | | | | |
| | RXYSCQ4TV1 | 4 | RXYSCQ-TV1 (VRV IV Mini Compact) | | | | | |
| | RXYSCQ5TV1 | 2 | RXYSCQ-TV1 (VRV IV Mini Compact) | | | | | |
| | RXYSCQ6TV1 | 4 | RXYSCQ-TV1 (VRV IV Mini Compact) | | | | | |
| | FXNQ32A | 17 | FXNQ-A - Concealed floor standing unit | | | | | |
| | FXNQ40A | 8 | FXNQ-A - Concealed floor standing unit | | | | | |
| MODEL | FXNQ50A | 6 | FXNQ-A - Concealed floor standing unit | | | | | |
| | FXNQ63A | 5 | FXNQ-A - Concealed floor standing unit | | | | | |
| | KHRQ22M20T | 26 | Refnet branch piping kit | | | | | |
| | DCM601A51 | 1 | Intelligent Touch Manager | | | | | |
| | DMS502A51 | 1 | BACnet Interface - integrated control system | | | | | |
| | | | connecting VRV system with BMS system | | | | | |
| | BRC1H52W | 36 | Remote controller (white) | | | | | |
| ATTACHMENT | Daikin Data Sheets | | | | | | | |
| ADDITIONAL INFORMATION | Proposed alternative to c | ilient spe | cified Mitsubishi kits as a result of long lead times. | | | | | |

| | CLIENT RESPONSE | | | | | |
|-----------------|-----------------|--|--|--|--|--|
| AUTHOR | | | | | | |
| POSITION | | | | | | |
| ISSUE DATE | | | | | | |
| APPROVAL STATUS | | | | | | |

| Date of Issue | 30/01/17 | Version no | REV1.0 | Author | Anthony Loizou | Page | 1 of 2 |
|---------------|-----------------|---------------|----------|---------------|----------------------------|------|--------|
| Department | Project Control | Last Revision | 30/01/17 | Document Name | CemsDoc316-TS01Description | | |

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VRV Selection

Project Report

Report details

| Produced on: | 4/20/2022 |
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| Application version: | 2022.4.13.3 |

Project details

| Project name: Rothsch | ild (copy) |
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Solution name: Rothschild

Client Name: Conditioned

Customer reference:

Quotation reference:

Project number: 950893/1161157

The output of the VRV Xpress software is based on Daikin-genuine capacity tables that relate to the Japanese Industry Standard. The VRV Xpress software provides a selection of outdoor and indoor units with optimal efficiency to fit cooling and heating load requirements.



| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ4TV1 | 4 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| RXYSCQ5TV1 | 2 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| RXYSCQ6TV1 | 4 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ32A | 17 | FXNQ-A - Concealed floor standing unit |
| FXNQ40A | 8 | FXNQ-A - Concealed floor standing unit |
| FXNQ50A | 6 | FXNQ-A - Concealed floor standing unit |
| FXNQ63A | 5 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 26 | Refnet branch piping kit |
| DCM601A51 | 1 | Intelligent Touch Manager |
| DMS502A51 | 1 | BACnet Interface - integrated control system |
| | | connecting VRV system with BMS system |
| BRC1H52W | 36 | Remote controller (white) |



Table of abbreviations

| Abbreviation | Description |
|---------------|--|
| Name | Logical name of the device |
| FCU | Device model name |
| Tmp C | Indoor conditions in cooling |
| Rq TC | Required total cooling capacity |
| Rv TC | Revised total cooling capacity (asked from outdoor) |
| Max TC | Available total cooling capacity |
| Rq SC | Required sensible cooling capacity |
| Теvар | Evaporating temperature of indoor unit coil |
| Tdis C | Indoor unit discharge air temperature in cooling based on maximum capacities |
| Max SC | Available sensible cooling capacity |
| PIC | Power input in cooling mode @ 50Hz |
| Tmp H | Indoor temperature in heating |
| Rq HC | Required heating capacity |
| Max HC | Available heating capacity |
| Tdis H | Indoor unit discharge air temperature in heating based on maximum capacities |
| PIH | Power input in heating mode @ 50Hz |
| Sound | Sound pressure level low and high |
| PS | Power supply (voltage and phases) |
| MCA | Minimum Circuit Amps |
| MOP | Maximum Overcurrent Protection |
| WxHxD | WidthxHeightxDepth |
| Weight | Weight of the device |
| Min coil | Minimum coil volume |
| Max coil | Maximum coil volume |
| Air Flow Rate | Air Flow Rate |



Capacity data at conditions and connection ratio (125) as entered

| Name | FCU | Cooling | | | | | | | | | | |
|-------|---------|----------------|-------|-------|--------|-------|-------|--------|--------|-------|--|--|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC | | |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW | | |
| Ind 1 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 | | |
| Ind 2 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 | | |
| Ind 3 | FXNQ50A | 26.0/50% | n/a | 0.0 | 5.5 | n/a | 6.0 | 11.2 | 3.8 | 0.099 | | |
| Ind 4 | FXNQ63A | 26.0/50% | n/a | 0.0 | 7.0 | n/a | 6.0 | 12.2 | 4.7 | 0.110 | | |
| | | | 0.0 | | | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|---------|--------|-------|----------------|----------------|---------------|
| | | Tmp H | Rq HC | Max HC | Tdis H | PIH | Min coil | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m ³ | m ³ | l/s |
| Ind 1 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 2 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 3 | FXNQ50A | 20.0 | n/a | 6.3 | 44.6 | 0.096 | n/a | n/a | 208.33 |
| Ind 4 | FXNQ63A | 20.0 | n/a | 8.0 | 43.6 | 0.107 | n/a | n/a | 275.00 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | MCA | МОР | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 1 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 2 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 3 | | 29 - 33 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 4 | | 32 - 35 | 220V 1ph | 0.6 | Factory Std | 1,190 x 720 x | 32.0 |
| | | | | | | 200 | |

Remarks

Reduced operational load

The sum of the required indoor unit capacities is 19.5kW for cooling and 22.3kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 9.8kW (=50%) and for heating of 11.2kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.

System 2 - RXYSCQ6TV1

Capacity data at conditions and connection ratio (125) as entered

| Name | FCU | | Cooling | | | | | | | | | | | | |
|-------|---------|----------------|---------|-------|--------|-------|-------|--------|--------|-------|--|--|--|--|--|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC | | | | | |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW | | | | | |
| Ind 1 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 | | | | | |
| Ind 2 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 | | | | | |
| Ind 3 | FXNQ50A | 26.0/50% | n/a | 0.0 | 5.5 | n/a | 6.0 | 11.2 | 3.8 | 0.099 | | | | | |
| Ind 4 | FXNQ63A | 26.0/50% | n/a | 0.0 | 7.0 | n/a | 6.0 | 12.2 | 4.7 | 0.110 | | | | | |



| Name | FCU | | | | | Cooling | | | | |
|------|-------|----------|-------|--------|-------|---------|--------|--------|-----|----|
| | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC | |
| | | °C | kW | kW | kW | kW | °C | °C | kW | kW |
| | | (DBT/RH) | | | | | | | | |
| | | | 0.0 | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|---------|--------|-------|----------|----------------|---------------|
| | | Tmp H | Rq HC | Max HC | Tdis H | PIH | Min coil | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m³ | m ³ | l/s |
| Ind 1 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 2 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 3 | FXNQ50A | 20.0 | n/a | 6.3 | 44.6 | 0.096 | n/a | n/a | 208.33 |
| Ind 4 | FXNQ63A | 20.0 | n/a | 8.0 | 43.6 | 0.107 | n/a | n/a | 275.00 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | PS MCA MOP | | WxHxD | Weight |
|-------|------|---------|----------|------------|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 1 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 2 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 3 | | 29 - 33 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 4 | | 32 - 35 | 220V 1ph | 0.6 | Factory Std | 1,190 x 720 x | 32.0 |
| | | | | | | 200 | |

Reduced operational load

The sum of the required indoor unit capacities is 19.5kW for cooling and 22.3kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 9.8kW (=50%) and for heating of 11.2kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.

System 3 - RXYSCQ4TV1

Capacity data at conditions and connection ratio (125) as entered

| Name | FCU | | | | | Cooling | | | | |
|-------|---------|----------------|-------|-------|--------|---------|-------|--------|--------|-------|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW |
| Ind 1 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 2 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 3 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 4 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| | | | 0.0 | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|---------|--------|----------|----------|---------------|--------|
| | | Tmp H | Rq HC | Max HC | Tdis H | Min coil | Max coil | Air Flow Rate | |
| | | °C | kW | kW | °C | kW | m³ | m³ | l/s |
| Ind 1 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |



| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|---------|--------|-------|----------------|----------------|---------------|
| | | Tmp H | Rq HC | Max HC | Tdis H | PIH | Min coil | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m ³ | m ³ | l/s |
| Ind 2 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 3 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 4 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 1 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 2 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 3 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 4 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |

Reduced operational load

The sum of the required indoor unit capacities is 14.2kW for cooling and 16.0kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 7.1kW (=50%) and for heating of 8.0kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.

System 4 - RXYSCQ4TV1

Capacity data at conditions and connection ratio (125) as entered

| Name | FCU | | | | | Cooling | | | | |
|-------|---------|----------------|-------|-------|--------|---------|-------|--------|--------|-------|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW |
| Ind 1 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 2 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 3 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 4 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| | | | 0.0 | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|---------|--------|-------|----------------|----------|---------------|
| | | Tmp H | Rq HC | Max HC | Tdis H | PIH | Min coil | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m ³ | m³ | l/s |
| Ind 1 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 2 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 3 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 4 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 1 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |



| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 2 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 3 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 4 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |

Reduced operational load

The sum of the required indoor unit capacities is 14.2kW for cooling and 16.0kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 7.1kW (=50%) and for heating of 8.0kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.

System 5 - RXYSCQ5TV1

Capacity data at conditions and connection ratio (107) as entered

| Name | FCU | | Cooling | | | | | | | | | | | | |
|-------|---------|----------------|---------|-------|--------|-------|-------|--------|--------|-------|--|--|--|--|--|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC | | | | | |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW | | | | | |
| Ind 2 | FXNQ40A | 26.0/50% | n/a | 0.0 | 4.4 | n/a | 6.0 | 11.4 | 3.2 | 0.078 | | | | | |
| Ind 3 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 | | | | | |
| Ind 7 | FXNQ63A | 26.0/50% | n/a | 0.0 | 7.0 | n/a | 6.0 | 12.2 | 4.7 | 0.110 | | | | | |
| | | | 0.0 | | | | | | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|-------------------------|------|-------|----------------|----------------|---------------|
| | | Tmp H | Rq HC | Rq HC Max HC Tdis H PIH | | | | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m ³ | m ³ | l/s |
| Ind 2 | FXNQ40A | 20.0 | n/a | 5.0 | 43.2 | 0.075 | n/a | n/a | 175.00 |
| Ind 3 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 7 | FXNQ63A | 20.0 | n/a | 8.0 | 43.6 | 0.107 | n/a | n/a | 275.00 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 2 | | 28 - 32 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 3 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 7 | | 32 - 35 | 220V 1ph | 0.6 | Factory Std | 1,190 x 720 x | 32.0 |
| | | | | | | 200 | |

Remarks

Reduced operational load

The sum of the required indoor unit capacities is 14.9kW for cooling and 17.0kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 7.5kW (=50%) and for heating of 8.5kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.



Outdoor unit placed at the same level as the indoor units.

System 6 - RXYSCQ6TV1

Capacity data at conditions and connection ratio (118) as entered

| Name | FCU | Cooling | | | | | | | | | |
|-------|---------|----------------|-------|-------|--------|-------|-------|--------|--------|-------|--|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC | |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW | |
| Ind 1 | FXNQ40A | 26.0/50% | n/a | 0.0 | 4.4 | n/a | 6.0 | 11.4 | 3.2 | 0.078 | |
| Ind 2 | FXNQ63A | 26.0/50% | n/a | 0.0 | 7.0 | n/a | 6.0 | 12.2 | 4.7 | 0.110 | |
| Ind 3 | FXNQ63A | 26.0/50% | n/a | 0.0 | 7.0 | n/a | 6.0 | 12.2 | 4.7 | 0.110 | |
| | | | 0.0 | | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|---------|--------|----------|----------------|----------------|--------|
| | | Tmp H | Rq HC | Max HC | Tdis H | Min coil | Max coil | Air Flow Rate | |
| | | °C | kW | kW | °C | kW | m ³ | m ³ | l/s |
| Ind 1 | FXNQ40A | 20.0 | n/a | 5.0 | 43.2 | 0.075 | n/a | n/a | 175.00 |
| Ind 2 | FXNQ63A | 20.0 | n/a | 8.0 | 43.6 | 0.107 | n/a | n/a | 275.00 |
| Ind 3 | FXNQ63A | 20.0 | n/a | 8.0 | 43.6 | 0.107 | n/a | n/a | 275.00 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|----------------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 1 | | 28 - 32 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 2 | | 32 - 35 | 220V 1ph | 0.6 | Factory Std | 1,190 x 720 x 200 | 32.0 |
| Ind 3 | | 32 - 35 | 220V 1ph | 0.6 | Factory Std | 1,190 x 720 x | 32.0 |
| | | | | | | 200 | |

Remarks

Reduced operational load

The sum of the required indoor unit capacities is 18.3kW for cooling and 21.0kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 9.2kW (=50%) and for heating of 10.5kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.

System 7 - RXYSCQ4TV1

Capacity data at conditions and connection ratio (130) as entered

| Name | FCU | | Cooling | | | | | | | | | |
|-------|---------|----------|---------|-------|--------|-------|-------|--------|--------|-------|--|--|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC | | |
| | | °C | kW | kW | kW | kW | °C | °C | kW | kW | | |
| | | (DBT/RH) | | | | | | | | | | |
| Ind 2 | FXNQ50A | 26.0/50% | n/a | 0.0 | 5.5 | n/a | 6.0 | 11.2 | 3.8 | 0.099 | | |
| Ind 3 | FXNQ40A | 26.0/50% | n/a | 0.0 | 4.4 | n/a | 6.0 | 11.4 | 3.2 | 0.078 | | |



| Name | FCU | Cooling | | | | | | | | | |
|-------|---------|----------------|-------|-------|--------|-------|-------|--------|--------|-------|--|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC | |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW | |
| Ind 5 | FXNQ40A | 26.0/50% | n/a | 0.0 | 4.4 | n/a | 6.0 | 11.4 | 3.2 | 0.078 | |
| | | | 0.0 | | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|-------------------------|------|-------|----------------|----------------|---------------|
| | | Tmp H | Rq HC | Rq HC Max HC Tdis H PIH | | | | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m ³ | m ³ | l/s |
| Ind 2 | FXNQ50A | 20.0 | n/a | 6.3 | 44.6 | 0.096 | n/a | n/a | 208.33 |
| Ind 3 | FXNQ40A | 20.0 | n/a | 5.0 | 43.2 | 0.075 | n/a | n/a | 175.00 |
| Ind 5 | FXNQ40A | 20.0 | n/a | 5.0 | 43.2 | 0.075 | n/a | n/a | 175.00 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 2 | | 29 - 33 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 3 | | 28 - 32 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 5 | | 28 - 32 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |

Reduced operational load

The sum of the required indoor unit capacities is 14.3kW for cooling and 16.3kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 7.2kW (=50%) and for heating of 8.2kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.

System 8 - RXYSCQ5TV1

Capacity data at conditions and connection ratio (120) as entered

| Name | FCU | | | | | Cooling | | | | |
|-------|---------|----------------|-------|-------|--------|---------|-------|--------|--------|-------|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW |
| Ind 1 | FXNQ50A | 26.0/50% | n/a | 0.0 | 5.5 | n/a | 6.0 | 11.2 | 3.8 | 0.099 |
| Ind 2 | FXNQ50A | 26.0/50% | n/a | 0.0 | 5.5 | n/a | 6.0 | 11.2 | 3.8 | 0.099 |
| Ind 3 | FXNQ50A | 26.0/50% | n/a | 0.0 | 5.5 | n/a | 6.0 | 11.2 | 3.8 | 0.099 |
| | | | 0.0 | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------------------------|---------|------|-------|----------------|----------------|---------------|
| | | Tmp H | Rq HC Max HC Tdis H PIH | | | | Min coil | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m ³ | m ³ | l/s |
| Ind 1 | FXNQ50A | 20.0 | n/a | 6.3 | 44.6 | 0.096 | n/a | n/a | 208.33 |
| Ind 2 | FXNQ50A | 20.0 | n/a | 6.3 | 44.6 | 0.096 | n/a | n/a | 208.33 |
| Ind 3 | FXNQ50A | 20.0 | n/a | 6.3 | 44.6 | 0.096 | n/a | n/a | 208.33 |
| | | | n/a | | | | | | |



| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 1 | | 29 - 33 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 2 | | 29 - 33 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 3 | | 29 - 33 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |

Reduced operational load

The sum of the required indoor unit capacities is 16.5kW for cooling and 18.9kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 8.2kW (=50%) and for heating of 9.5kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.

System 9 - RXYSCQ6TV1

Capacity data at conditions and connection ratio (114) as entered

| Name | FCU | | | | | Cooling | | | | |
|-------|---------|----------------|-------|-------|--------|---------|-------|--------|--------|-------|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC |
| | | °C (DBT/RH) | kW | kW | kW | kW | °C | °C | kW | kW |
| Ind 1 | FXNQ40A | 26.0/50% | n/a | 0.0 | 4.4 | n/a | 6.0 | 11.4 | 3.2 | 0.078 |
| Ind 2 | FXNQ40A | 26.0/50% | n/a | 0.0 | 4.4 | n/a | 6.0 | 11.4 | 3.2 | 0.078 |
| Ind 3 | FXNQ40A | 26.0/50% | n/a | 0.0 | 4.4 | n/a | 6.0 | 11.4 | 3.2 | 0.078 |
| Ind 5 | FXNQ40A | 26.0/50% | n/a | 0.0 | 4.4 | n/a | 6.0 | 11.4 | 3.2 | 0.078 |
| | | | 0.0 | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|---------|--------|-------|----------------|----------|---------------|
| | | Tmp H | Rq HC | Max HC | Tdis H | PIH | Min coil | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m ³ | m³ | l/s |
| Ind 1 | FXNQ40A | 20.0 | n/a | 5.0 | 43.2 | 0.075 | n/a | n/a | 175.00 |
| Ind 2 | FXNQ40A | 20.0 | n/a | 5.0 | 43.2 | 0.075 | n/a | n/a | 175.00 |
| Ind 3 | FXNQ40A | 20.0 | n/a | 5.0 | 43.2 | 0.075 | n/a | n/a | 175.00 |
| Ind 5 | FXNQ40A | 20.0 | n/a | 5.0 | 43.2 | 0.075 | n/a | n/a | 175.00 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 1 | | 28 - 32 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 2 | | 28 - 32 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 3 | | 28 - 32 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |
| Ind 5 | | 28 - 32 | 220V 1ph | 0.5 | Factory Std | 990 x 720 x 200 | 27.5 |



Reduced operational load

The sum of the required indoor unit capacities is 17.7kW for cooling and 20.0kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 8.8kW (=50%) and for heating of 10.0kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.

System 10 - RXYSCQ4TV1

Capacity data at conditions and connection ratio (125) as entered

| Name | FCU | | | | | Cooling | | | | |
|-------|---------|----------|-------|-------|--------|---------|-------|--------|--------|-------|
| | | Tmp C | Rq TC | Rv TC | Max TC | Rq SC | Tevap | Tdis C | Max SC | PIC |
| | | °C | kW | kW | kW | kW | °C | °C | kW | kW |
| | | (DBT/RH) | | | | | | | | |
| Ind 1 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 2 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 3 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| Ind 8 | FXNQ32A | 26.0/50% | n/a | 0.0 | 3.5 | n/a | 6.0 | 11.2 | 2.4 | 0.071 |
| | | | 0.0 | | | | | | | |

| Name | FCU | | | Heating | | | | | |
|-------|---------|-------|-------|---------|--------|-------|----------------|----------|---------------|
| | | Tmp H | Rq HC | Max HC | Tdis H | PIH | Min coil | Max coil | Air Flow Rate |
| | | °C | kW | kW | °C | kW | m ³ | m³ | l/s |
| Ind 1 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 2 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 3 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| Ind 8 | FXNQ32A | 20.0 | n/a | 4.0 | 44.4 | 0.068 | n/a | n/a | 133.33 |
| | | | n/a | | | | | | |

| Name | Room | Sound | PS | MCA | MOP | WxHxD | Weight |
|-------|------|---------|----------|-----|-------------|-----------------|--------|
| | | dBA | | Α | | mm | kg |
| Ind 1 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 2 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 3 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |
| Ind 8 | | 27 - 30 | 220V 1ph | 0.4 | Factory Std | 790 x 720 x 200 | 23.5 |

Remarks

Reduced operational load

The sum of the required indoor unit capacities is 14.2kW for cooling and 16.0kW for heating. However, the outdoor unit selection uses reduced load values for cooling of 7.1kW (=50%) and for heating of 8.0kW (=50%). Be aware that unrealistic reductions may lead to reduced comfort levels, different noise levels or increased wear and tear.

Outdoor vs. indoor position

Outdoor unit placed at the same level as the indoor units.





Table of abbreviations

| Abbreviation | Description |
|----------------|---|
| Name | Logical name of the device |
| Model | Device model name |
| | Optimized selection: Larger outdoor model selected than standard proposed model |
| CR | Connection ratio |
| Tmp C | Outdoor conditions in cooling |
| WFR per module | Water flow per outdoor unit module |
| СС | Available cooling capacity |
| Rq CC | Required cooling capacity |
| PIC | Power input in cooling mode |
| InC | Water inlet temperature in cooling mode |
| OutC | Water outlet temperature in cooling mode |
| Tmp H | Outdoor conditions in heating (dry bulb temp. / RH) |
| НС | Available heating capacity (integrated heating capacity) |
| Rq HC | Required heating capacity |
| РІН | Power input in heating mode |
| InH | Water inlet temperature in heating mode |
| OutH | Water outlet temperature in heating mode |
| Piping | Largest distance from indoor unit to outdoor unit |
| Bse Refr | Standard factory refrigerant charge (16.4ft actual piping length) excluding extra |
| | refrigerant charge. For calculation of extra refrigerant charge refer to the databook |
| Ex Refr | Extra refrigerant charge |
| PS | Power supply (voltage and phases) |
| MCA | Minimum Circuit Amps |
| MOP | Maximum Overcurrent Protection |
| FLA | Fan Motor Input |
| RLA | Nominal Running Amps |
| WxHxD | WidthxHeightxDepth |
| Weight | Weight of the device |
| EER | EER value at nominal condition |
| IEER | IEER value at nominal condition |
| COP47 | COP value at nominal condition and at ambient temperature of 8°C |
| COP17 | COP value at nominal condition and at ambient temperature of -8°C |



Outdoor details

| Name | Model | CR | | Cooling | | He | ating | | Piping |
|-----------|------------|-------|-------|---------|-------|----------------|-------|-------|--------|
| | | | Tmp C | CC | Rq CC | Tmp H | HC | Rq HC | |
| | | % | °C | kW | kW | °C (DBT/RH) | kW | kW | m |
| System 1 | RXYSCQ6TV1 | 125.0 | 29.0 | 13.4 | 9.8 | 0.0/86% | 12.1 | 11.2 | 75.0 |
| System 2 | RXYSCQ6TV1 | 125.0 | 29.0 | 13.4 | 9.8 | 0.0/86% | 12.1 | 11.2 | 75.0 |
| System 3 | RXYSCQ4TV1 | 125.0 | 29.0 | 10.3 | 7.1 | 0.0/86% | 9.5 | 8.0 | 75.0 |
| System 4 | RXYSCQ4TV1 | 125.0 | 29.0 | 10.3 | 7.1 | 0.0/86% | 9.5 | 8.0 | 75.0 |
| System 5 | RXYSCQ5TV1 | 107.0 | 29.0 | 11.3 | 7.5 | 0.0/86% | 10.6 | 8.5 | 75.0 |
| System 6 | RXYSCQ6TV1 | 117.9 | 29.0 | 13.2 | 9.2 | 0.0/86% | 12.1 | 10.5 | 75.0 |
| System 7 | RXYSCQ4TV1 | 130.0 | 29.0 | 10.4 | 7.2 | 0.0/86% | 9.5 | 8.2 | 75.0 |
| System 8 | RXYSCQ5TV1 | 120.0 | 29.0 | 11.9 | 8.2 | 0.0/86% | 10.7 | 9.5 | 75.0 |
| System 9 | RXYSCQ6TV1 | 114.3 | 29.0 | 13.1 | 8.8 | 0.0/86% | 12.1 | 10.0 | 75.0 |
| System 10 | RXYSCQ4TV1 | 125.0 | 29.0 | 10.3 | 7.1 | 0.0/86% | 9.5 | 8.0 | 75.0 |

| Name | Model | PS | MCA | MOP | RLA | FLA | WxHxD | Weight |
|-----------|------------|----------|------|------|------|-----|-------------|--------|
| | | | Α | Α | Α | Α | mm | kg |
| System 1 | RXYSCQ6TV1 | 230V 1ph | 29.1 | 32.0 | 23.2 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 2 | RXYSCQ6TV1 | 230V 1ph | 29.1 | 32.0 | 23.2 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 3 | RXYSCQ4TV1 | 230V 1ph | 29.1 | 32.0 | 19.0 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 4 | RXYSCQ4TV1 | 230V 1ph | 29.1 | 32.0 | 19.0 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 5 | RXYSCQ5TV1 | 230V 1ph | 29.1 | 32.0 | 19.0 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 6 | RXYSCQ6TV1 | 230V 1ph | 29.1 | 32.0 | 23.2 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 7 | RXYSCQ4TV1 | 230V 1ph | 29.1 | 32.0 | 19.0 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 8 | RXYSCQ5TV1 | 230V 1ph | 29.1 | 32.0 | 19.0 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 9 | RXYSCQ6TV1 | 230V 1ph | 29.1 | 32.0 | 23.2 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |
| System 10 | RXYSCQ4TV1 | 230V 1ph | 29.1 | 32.0 | 19.0 | 0.6 | 940 x 823 x | 89.0 |
| | | | | | | | 460 | |



Name Model **Sound Power** Sound Pressure Cooling Heating Cooling Heating dBA dBA dBA dBA System 1 RXYSCQ6TV1 70 53 --System 2 RXYSCQ6TV1 70 -53 _ System 3 RXYSCQ4TV1 68 51 _ System 4 RXYSCQ4TV1 68 51 _ _ System 5 RXYSCQ5TV1 69 52 _ _ 70 System 6 RXYSCQ6TV1 _ 53 _ System 7 RXYSCQ4TV1 51 68 _ _ System 8 RXYSCQ5TV1 69 52 _ _ System 9 RXYSCQ6TV1 70 -53 -System 10 RXYSCQ4TV1 68 51 _ _

Seasonal Efficiency

| Name | Model | η _{s,h} heating | η _{s,c} cooling | SCOP | SEER | CSPF |
|-----------|------------|--------------------------|--------------------------|------|------|------|
| | | % | % | - | | |
| System 1 | RXYSCQ6TV1 | 186.0 | 281.3 | 4.70 | 7.10 | - |
| System 2 | RXYSCQ6TV1 | 186.0 | 281.3 | 4.70 | 7.10 | - |
| System 3 | RXYSCQ4TV1 | 182.3 | 322.8 | 4.60 | 8.10 | - |
| System 4 | RXYSCQ4TV1 | 182.3 | 322.8 | 4.60 | 8.10 | - |
| System 5 | RXYSCQ5TV1 | 185.1 | 303.4 | 4.70 | 7.70 | - |
| System 6 | RXYSCQ6TV1 | 186.0 | 281.3 | 4.70 | 7.10 | - |
| System 7 | RXYSCQ4TV1 | 182.3 | 322.8 | 4.60 | 8.10 | - |
| System 8 | RXYSCQ5TV1 | 185.1 | 303.4 | 4.70 | 7.70 | - |
| System 9 | RXYSCQ6TV1 | 186.0 | 281.3 | 4.70 | 7.10 | - |
| System 10 | RXYSCQ4TV1 | 182.3 | 322.8 | 4.60 | 8.10 | - |

For more information go to: <u>https://energylabel.daikin.eu/</u>.

Refrigerant information

| Name | Model | Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|-----------|------------|------------------|--------|-------------------|--------------------|--------------------|
| System 1 | RXYSCQ6TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 2 | RXYSCQ6TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 3 | RXYSCQ4TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 4 | RXYSCQ4TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 5 | RXYSCQ5TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 6 | RXYSCQ6TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 7 | RXYSCQ4TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 8 | RXYSCQ5TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 9 | RXYSCQ6TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |
| System 10 | RXYSCQ4TV1 | R410A | 2087.5 | 3.70 | unknown | 7.7 |

The system(s) contain fluorinated greenhouse gases.

When extra refrigerant charge requirements are not calculated, TCO2 equivalent is calculated only considering the base refrigerant charge. Depending on the field pipe length extra refrigerant needs to be added which will increase the TCO2



System 1 - RXYSCQ6TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ6TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ32A | 2 | FXNQ-A - Concealed floor standing unit |
| FXNQ50A | 1 | FXNQ-A - Concealed floor standing unit |
| FXNQ63A | 1 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 3 | Refnet branch piping kit |
| BRC1H52W | 4 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |

The system(s) contain fluorinated greenhouse gases.

Pipe capacities

| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 2 - RXYSCQ6TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ6TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ32A | 2 | FXNQ-A - Concealed floor standing unit |
| FXNQ50A | 1 | FXNQ-A - Concealed floor standing unit |
| FXNQ63A | 1 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 3 | Refnet branch piping kit |
| BRC1H52W | 4 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 3 - RXYSCQ4TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ4TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ32A | 4 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 3 | Refnet branch piping kit |
| BRC1H52W | 4 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 4 - RXYSCQ4TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ4TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ32A | 4 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 3 | Refnet branch piping kit |
| BRC1H52W | 4 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 5 - RXYSCQ5TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ5TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ32A | 1 | FXNQ-A - Concealed floor standing unit |
| FXNQ40A | 1 | FXNQ-A - Concealed floor standing unit |
| FXNQ63A | 1 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 2 | Refnet branch piping kit |
| BRC1H52W | 3 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 6 - RXYSCQ6TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ6TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ40A | 1 | FXNQ-A - Concealed floor standing unit |
| FXNQ63A | 2 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 2 | Refnet branch piping kit |
| BRC1H52W | 3 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 7 - RXYSCQ4TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ4TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ40A | 2 | FXNQ-A - Concealed floor standing unit |
| FXNQ50A | 1 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 2 | Refnet branch piping kit |
| BRC1H52W | 3 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 8 - RXYSCQ5TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ5TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ50A | 3 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 2 | Refnet branch piping kit |
| BRC1H52W | 3 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 9 - RXYSCQ6TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ6TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ40A | 4 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 3 | Refnet branch piping kit |
| BRC1H52W | 4 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



Chosen outdoor unit size differs from default proposed size. Be aware that this might lead to reduced comfort levels, increased noise levels, wear and tear. In case of doubt, contact your sales representative.

Pipe capacities

| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |



| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |

System 10 - RXYSCQ4TV1

| Model | Quantity | Description |
|------------|----------|--|
| RXYSCQ4TV1 | 1 | RXYSCQ-TV1 (VRV IV Mini Compact) |
| FXNQ32A | 4 | FXNQ-A - Concealed floor standing unit |
| KHRQ22M20T | 3 | Refnet branch piping kit |
| BRC1H52W | 4 | Remote controller (white) |

Refrigerant information

| Refrigerant type | GWP | Base charge kg | Extra charge kg | TCO2 equivalent |
|------------------|--------|-------------------|--------------------|-----------------|
| R410A | 2087.5 | 3.70 | unknown | 7.7 |



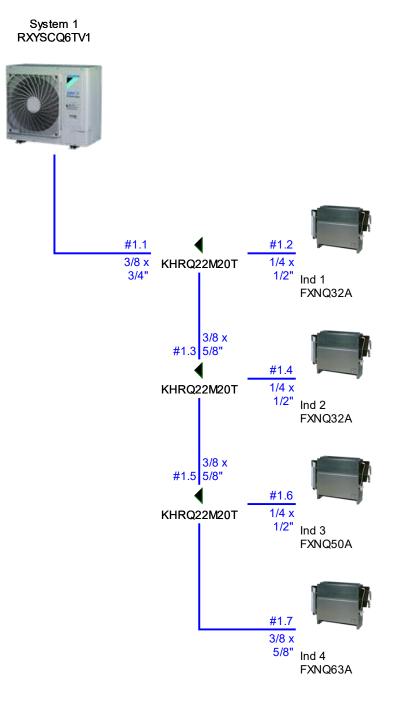
| Maximum Connection Index | Diameters |
|--------------------------|-------------|
| 149.9 | 3/8"x5/8" |
| 199.9 | 3/8"x3/4" |
| 289.9 | 3/8"x7/8" |
| 419.9 | 1/2"x1 1/8" |
| 639.9 | 5/8"x1 1/8" |
| 919.9 | 3/4"x1 3/8" |
| > 919.9 | 3/4"x1 5/8" |
| Main pipe size up | 3/8"x3/4" |

| Description | Value |
|--|----------------------------|
| Maximum total length | 300.0m |
| Maximum longest actual length | 70.0m |
| Maximum longest equivalent length | 90.0m |
| Maximum main pipe length (size up of main pipe required if longer) | - |
| Maximum length first branch to indoor unit(size up of intermediate pipes required if longer) | 40.0m |
| Maximum length first branch to indoor unit | 40.0m |
| Maximum length of indoor units to nearest branch | 40.0m |
| Maximum length difference between longest and shortest distance to indoor units | 40.0m |
| Maximum height difference, outdoor unit below indoor units | 30.0m |
| Minimum connection ratio, outdoor unit below indoor units | - |
| Maximum height difference, outdoor unit above indoor units | 30.0m |
| Minimum connection ratio, outdoor unit above indoor units | - |
| Maximum height difference in technical cooling, outdoor unit below indoor units | 30.0m |
| Maximum height difference in technical cooling, outdoor unit above indoor units | 30.0m |
| Maximum height difference between indoor units | 15.0m |
| Connection ratio range | 50.0% - 130.0% |
| Refrigerant pipe diameters | 3/8" (liquid) x 3/4" (gas) |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET (size up of intermediate | - |
| pipes required if longer) | |
| Maximum equivalent length from BP unit or VRV indoor to VRV REFNET | 40.0m |
| Maximum actual length between CM and HM | - |
| Maximum height difference between CM and HM | - |





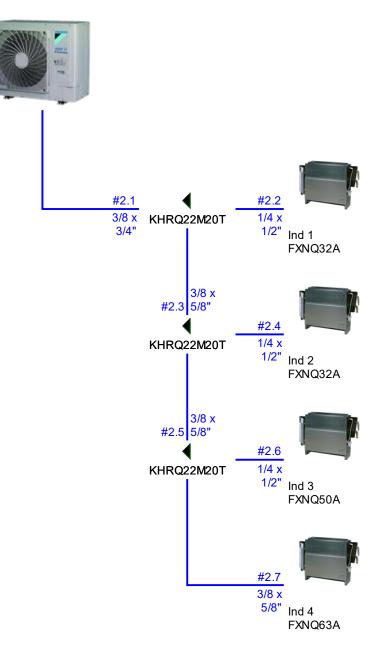
Piping System 1



Piping



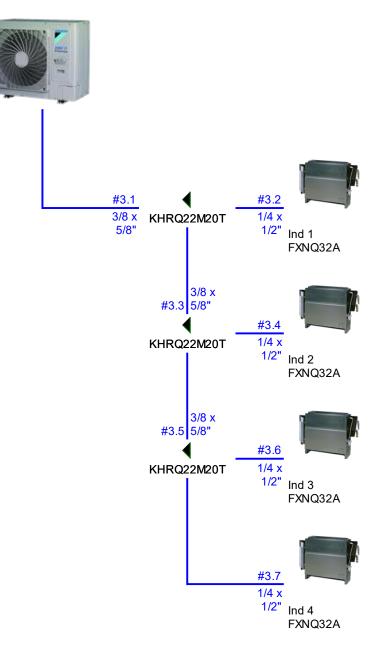
System 2 RXYSCQ6TV1



Piping



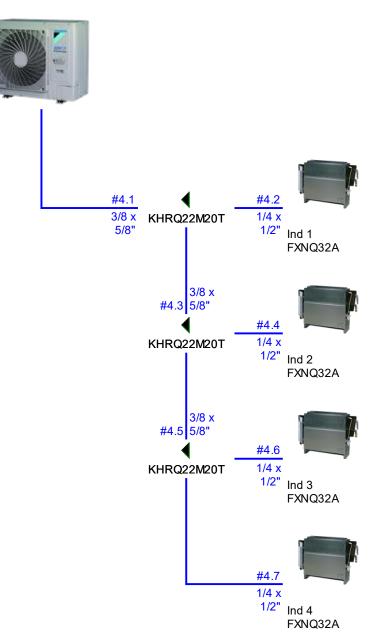
System 3 RXYSCQ4TV1



Piping



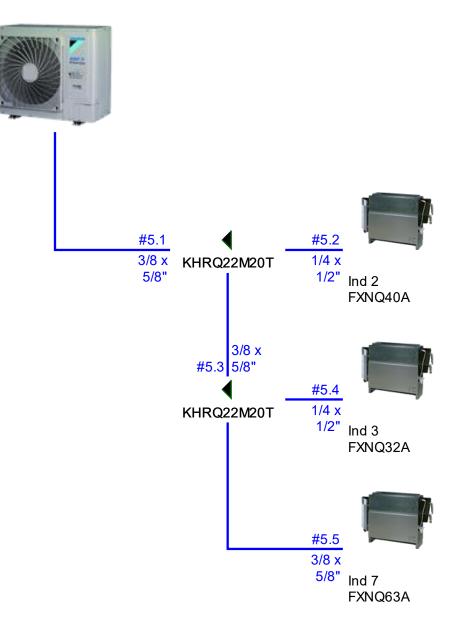
System 4 RXYSCQ4TV1



Piping



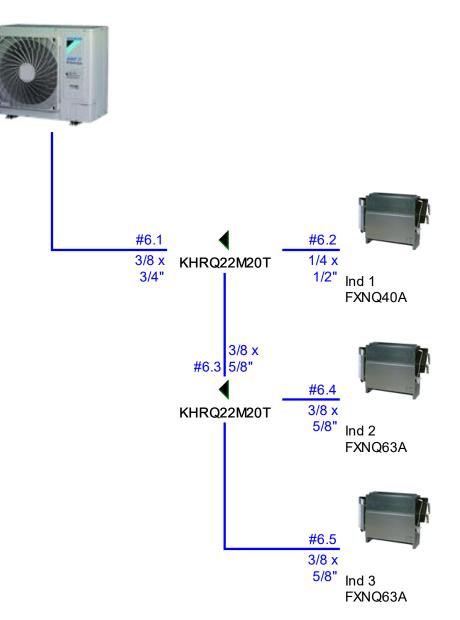
System 5 RXYSCQ5TV1



Piping



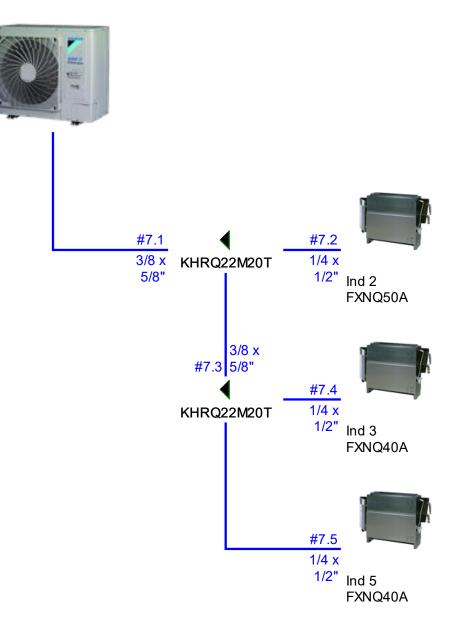
System 6 RXYSCQ6TV1



Piping



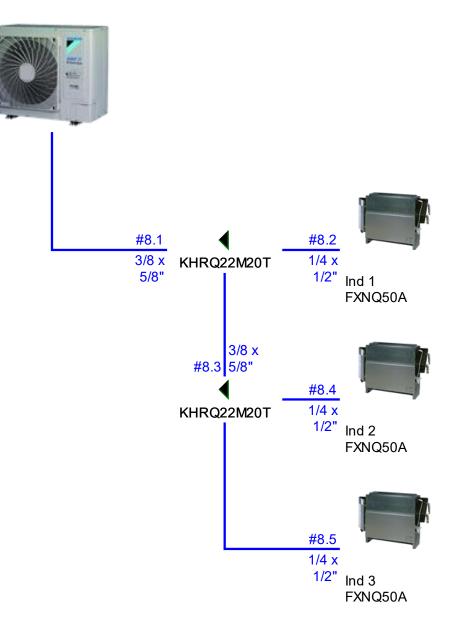
System 7 RXYSCQ4TV1



Piping



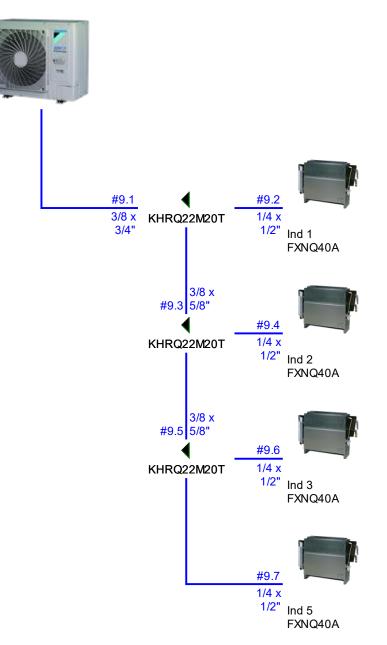
System 8 RXYSCQ5TV1



Piping



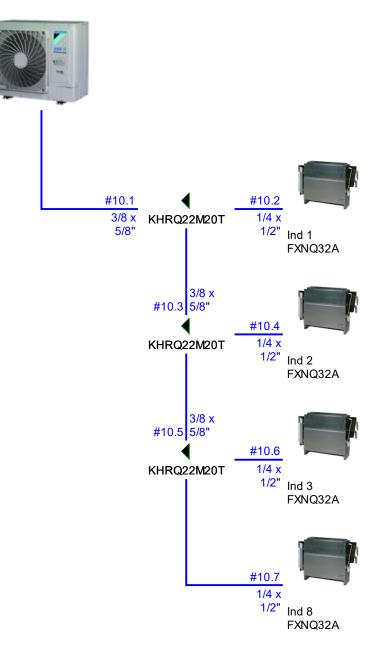
System 9 RXYSCQ6TV1



Piping



System 10 RXYSCQ4TV1

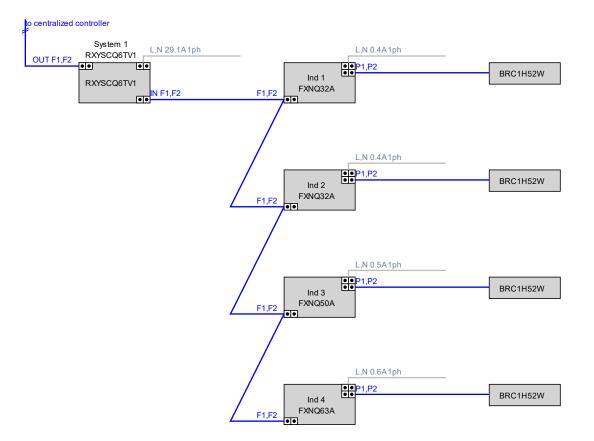


Piping





Wiring System 1



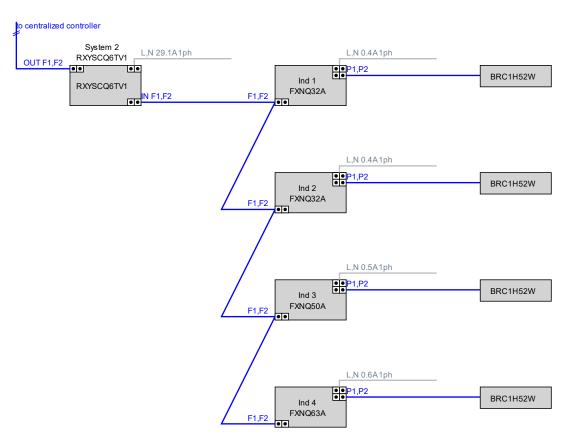
Remarks

P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

F1F2 OUT transmission wiring, use 2-core wires of 0,75 to 1,25 mm² size cables, without shield, (but shielded cable can be used if required by local regulations and standards).



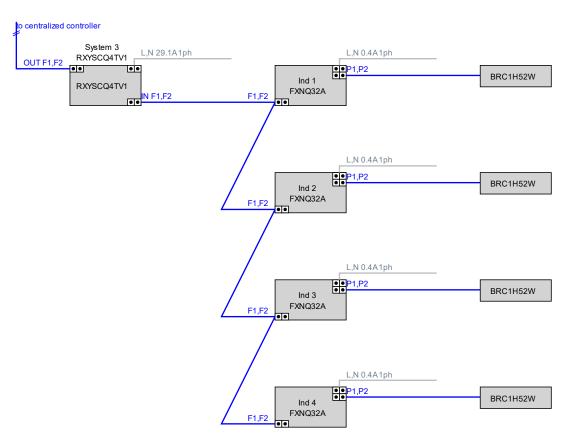


P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

F1F2 OUT transmission wiring, use 2-core wires of 0,75 to 1,25 mm² size cables, without shield, (but shielded cable can be used if required by local regulations and standards).



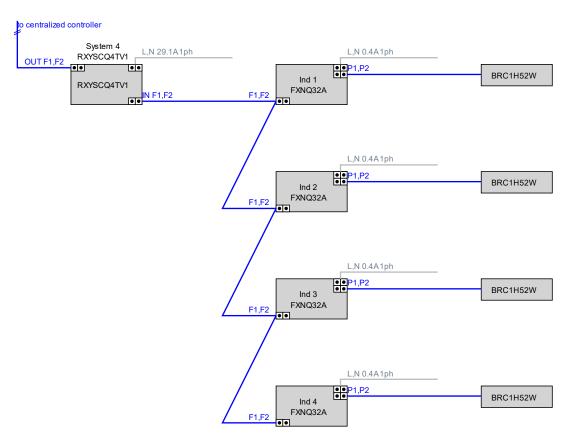


P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

F1F2 OUT transmission wiring, use 2-core wires of 0,75 to 1,25 mm² size cables, without shield, (but shielded cable can be used if required by local regulations and standards).



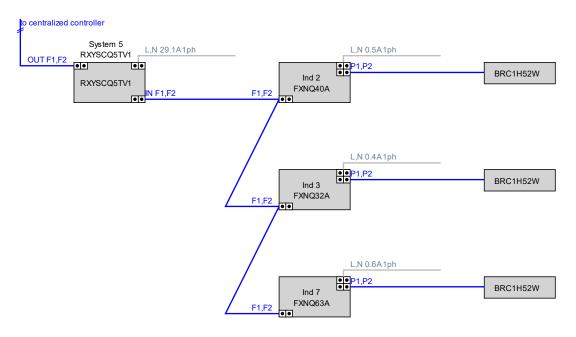


P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

F1F2 OUT transmission wiring, use 2-core wires of 0,75 to 1,25 mm² size cables, without shield, (but shielded cable can be used if required by local regulations and standards).



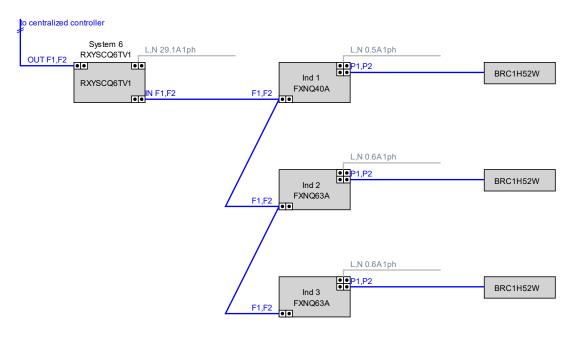


P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

F1F2 OUT transmission wiring, use 2-core wires of 0,75 to 1,25 mm² size cables, without shield, (but shielded cable can be used if required by local regulations and standards).



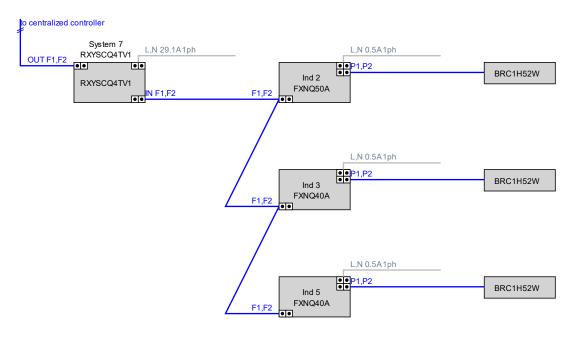


P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

F1F2 OUT transmission wiring, use 2-core wires of 0,75 to 1,25 mm² size cables, without shield, (but shielded cable can be used if required by local regulations and standards).



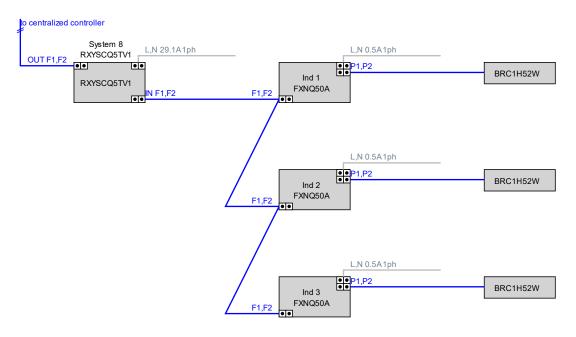


P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

F1F2 OUT transmission wiring, use 2-core wires of 0,75 to 1,25 mm² size cables, without shield, (but shielded cable can be used if required by local regulations and standards).



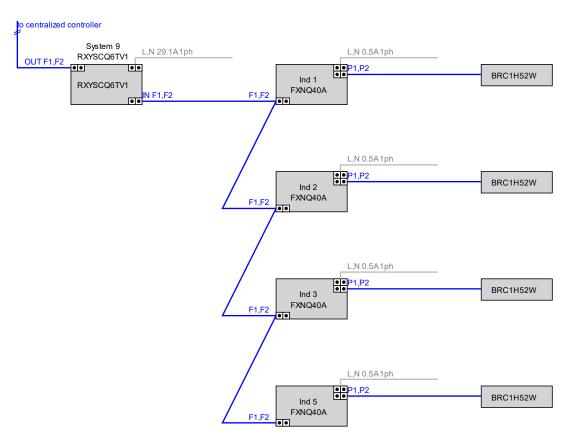


P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

F1F2 OUT transmission wiring, use 2-core wires of 0,75 to 1,25 mm² size cables, without shield, (but shielded cable can be used if required by local regulations and standards).



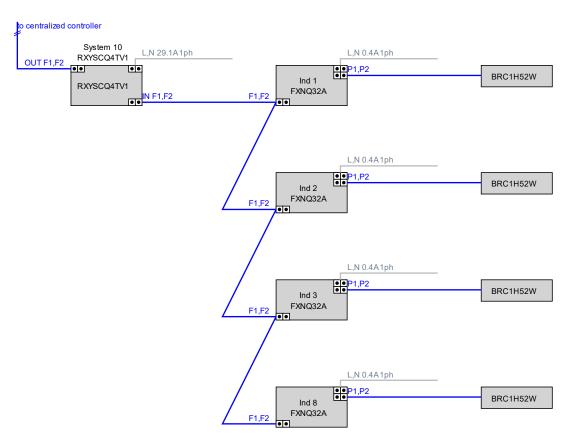


P1P2 = AWG 18-2 is required - however always refer to local code for further information.

F1F2 IN transmission wiring, use 2-core wires of 0,75 to 1,25mm² size cables, with shield.

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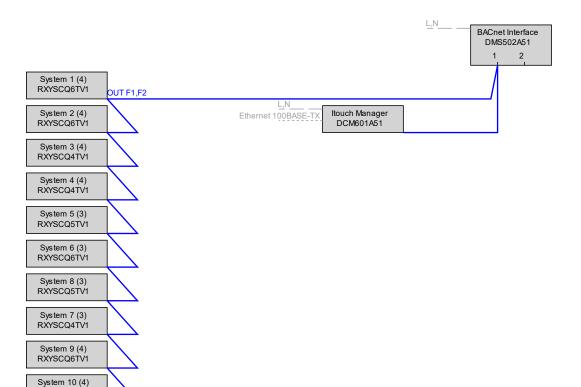
Concept

| ystem Controllers | Control Group | |
|------------------------|---|---|
| BACnet Interface (# 1) | Central Controller Intelligent Touch Manager (# 1) | Outdoor Units System 1 (4) System 2 (4) System 3 (4) System 4 (4) System 5 (3) System 6 (3) System 7 (3) System 9 (4) System 10 (4) |



Control Group

RXYSCQ4TV1







Residual Current Circuit Breaker

For better protection of installations against the risk of fire, power supply of indoor and outdoor units must be protected with a Residual Current Circuit Breaker. For protection against fire, we recommend a sensitivity of 300mA. The selected RCCB should be of the type B, suitable for inverter devices and indicated by the symbols here below. Further electrical characteristics of the RCCB must be selected in accordance with local regulation.



For a complete list of all required safety precautions, warnings and attention points, please consult the "general safety precautions manual" delivered with the unit.