

Project: Residential Row Houses

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1.- OUTDOOR UNIT - HOUSE 1

1.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Connected indoor units	3	3	✓
Total pipe length	21.90 m	50.00 m	✓
Difference in height between indoor and outdoor units	0.00 m	10.00 m	✓

1.2.- Equipment List

Outdoor units

Equipment	Overview	Quantity
RAS-3M18S3AV-E	Outdoor multi-split unit	1

Indoor units

Equipment	Overview	Quantity
RAS-M07N3KV2-E1	Indoor unit Multi-split, wall (Monza)	3

Remote controls

Equipment	Overview	Quantity
Remote control for Daisekai unit		3

Tube length

Pipe Diameter	Gas side (m)	Liquid side (m)	Total length (m)
Ø6.4 mm (1/4")	0	21.9	21.9
Ø9.5 mm (3/8")	21.9	0	21.9

Outdoor Design Temperature

Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	32.8
Heating	Wet bulb temperature	3.3

1.3.- Details

Outdoor Unit Models

Equipment	Outdoor unit
RAS-3M18S3AV-E	OUTDOOR UNIT - HOUSE 1

Outdoor units

Equipment	Heating (W)		Cooling (W)	
	Nominal	Corrected	Nominal	Corrected
RAS-3M18S3AV-E	6800	6198	5200	4957

Indoor units

Equipment	Space		Mode		
			Nominal	Corrected	Required
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1011
		Heating	2700	2079	1174
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1408
		Heating	2700	2079	1532
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1096
		Heating	2700	2079	1571

2.- OUTDOOR UNIT - HOUSE 2

2.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Connected indoor units	3	3	✓
Total pipe length	20.93 m	50.00 m	✓
Difference in height between indoor and outdoor units	0.00 m	10.00 m	✓

2.2.- Equipment List

Outdoor units

Equipment	Overview	Quantity
RAS-3M18S3AV-E	Outdoor multi-split unit	1

Indoor units

Equipment	Overview	Quantity
RAS-M07N3KV2-E1	Indoor unit Multi-split, wall (Monza)	3

Remote controls

Equipment	Overview	Quantity
Remote control for Daiseikai unit		3

Tube length

Pipe Diameter	Gas side (m)	Liquid side (m)	Total length (m)
Ø6.4 mm (1/4")	0	20.93	20.93
Ø9.5 mm (3/8")	20.93	0	20.93

Outdoor Design Temperature

Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	32.8
Heating	Wet bulb temperature	3.3

2.3.- Details

Outdoor Unit Models

Equipment	Outdoor unit
RAS-3M18S3AV-E	OUTDOOR UNIT - HOUSE 2

Outdoor units

Equipment	Heating (W)		Cooling (W)	
	Nominal	Corrected	Nominal	Corrected
RAS-3M18S3AV-E	6800	6220	5200	4974

Indoor units

Equipment	Space		Mode		
			Nominal	Corrected	Required
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	986
		Heating	2700	2082	1152
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1446
		Heating	2700	2082	1532
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1119
		Heating	2700	2082	1601

3.- OUTDOOR UNIT - HOUSE 3

3.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Connected indoor units	3	3	✓
Total pipe length	21.90 m	50.00 m	✓
Difference in height between indoor and outdoor units	0.00 m	10.00 m	✓

3.2.- Equipment List

Outdoor units

Equipment	Overview	Quantity
RAS-3M18S3AV-E	Outdoor multi-split unit	1

Indoor units

Equipment	Overview	Quantity
RAS-M07N3KV2-E1	Indoor unit Multi-split, wall (Monza)	3

Remote controls

Equipment	Overview	Quantity
Remote control for Daisekai unit		3

Tube length

Pipe Diameter	Gas side (m)	Liquid side (m)	Total length (m)
Ø6.4 mm (1/4")	0	21.9	21.9
Ø9.5 mm (3/8")	21.9	0	21.9

Outdoor Design Temperature

Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	32.8
Heating	Wet bulb temperature	3.3

3.3.- Details

Outdoor Unit Models

Equipment	Outdoor unit
RAS-3M18S3AV-E	OUTDOOR UNIT - HOUSE 3

Outdoor units

Equipment	Heating (W)		Cooling (W)	
	Nominal	Corrected	Nominal	Corrected
RAS-3M18S3AV-E	6800	6198	5200	4957

Indoor units

Equipment	Space		Mode		
			Nominal	Corrected	Required
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1012
		Heating	2700	2079	1179
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1408
		Heating	2700	2079	1534
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1069
		Heating	2700	2079	1502

4.- OUTDOOR UNIT - HOUSE 4

4.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Connected indoor units	3	3	✓
Total pipe length	20.93 m	50.00 m	✓
Difference in height between indoor and outdoor units	0.00 m	10.00 m	✓

4.2.- Equipment List

Outdoor units

Equipment	Overview	Quantity
RAS-3M18S3AV-E	Outdoor multi-split unit	1

Indoor units

Equipment	Overview	Quantity
RAS-M07N3KV2-E1	Indoor unit Multi-split, wall (Monza)	3

Remote controls

Equipment	Overview	Quantity
Remote control for Daiseikai unit		3

Tube length

Pipe Diameter	Gas side (m)	Liquid side (m)	Total length (m)
Ø6.4 mm (1/4")	0	20.93	20.93
Ø9.5 mm (3/8")	20.93	0	20.93

Outdoor Design Temperature

Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	32.8
Heating	Wet bulb temperature	3.3

4.3.- Details

Outdoor Unit Models

Equipment	Outdoor unit
RAS-3M18S3AV-E	OUTDOOR UNIT - HOUSE 4

Outdoor units

Equipment	Heating (W)		Cooling (W)	
	Nominal	Corrected	Nominal	Corrected
RAS-3M18S3AV-E	6800	6220	5200	4974

Indoor units

Equipment	Space		Mode		
			Nominal	Corrected	Required
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	988
		Heating	2700	2082	1144
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1448
		Heating	2700	2082	1532
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1108
		Heating	2700	2082	1569

5.- OUTDOOR UNIT - HOUSE 6

5.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Connected indoor units	3	3	✓
Total pipe length	21.17 m	50.00 m	✓
Difference in height between indoor and outdoor units	0.00 m	10.00 m	✓

5.2.- Equipment List

Outdoor units

Equipment	Overview	Quantity
RAS-3M18S3AV-E	Outdoor multi-split unit	1

Indoor units

Equipment	Overview	Quantity
RAS-M07N3KV2-E1	Indoor unit Multi-split, wall (Monza)	3

Remote controls

Equipment	Overview	Quantity
Remote control for Daisekai unit		3

Tube length

Pipe Diameter	Gas side (m)	Liquid side (m)	Total length (m)
Ø6.4 mm (1/4")	0	21.17	21.17
Ø9.5 mm (3/8")	21.17	0	21.17

Outdoor Design Temperature

Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	32.8
Heating	Wet bulb temperature	3.3

5.3.- Details

Outdoor Unit Models

Equipment	Outdoor unit
RAS-3M18S3AV-E	OUTDOOR UNIT - HOUSE 6

Outdoor units

Equipment	Heating (W)		Cooling (W)	
	Nominal	Corrected	Nominal	Corrected
RAS-3M18S3AV-E	6800	6214	5200	4970

Indoor units

Equipment	Space		Mode		
			Nominal	Corrected	Required
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1307
		Heating	2700	2082	1186
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1209
		Heating	2700	2082	1539
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1090
		Heating	2700	2082	1536

6.- OUTDOOR UNIT - HOUSE 5

6.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Connected indoor units	3	3	✓
Total pipe length	22.16 m	50.00 m	✓
Difference in height between indoor and outdoor units	0.00 m	10.00 m	✓

6.2.- Equipment List

Outdoor units

Equipment	Overview	Quantity
RAS-3M18S3AV-E	Outdoor multi-split unit	1

Indoor units

Equipment	Overview	Quantity
RAS-M07N3KV2-E1	Indoor unit Multi-split, wall (Monza)	3

Remote controls

Equipment	Overview	Quantity
Remote control for Daisekai unit		3

Tube length

Pipe Diameter	Gas side (m)	Liquid side (m)	Total length (m)
Ø6.4 mm (1/4")	0	22.16	22.16
Ø9.5 mm (3/8")	22.16	0	22.16

Outdoor Design Temperature

Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	32.8
Heating	Wet bulb temperature	3.3

6.3.- Details

Outdoor Unit Models

Equipment	Outdoor unit
RAS-3M18S3AV-E	OUTDOOR UNIT - HOUSE 5

Outdoor units

Equipment	Heating (W)		Cooling (W)	
	Nominal	Corrected	Nominal	Corrected
RAS-3M18S3AV-E	6800	6193	5200	4953

Indoor units

Equipment	Space		Mode		
			Nominal	Corrected	Required
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1275
		Heating	2700	2079	1132
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1199
		Heating	2700	2079	1531
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1093
		Heating	2700	2079	1546

7.- OUTDOOR UNIT - HOUSE 8

7.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Connected indoor units	3	3	✓
Total pipe length	21.17 m	50.00 m	✓
Difference in height between indoor and outdoor units	0.00 m	10.00 m	✓

7.2.- Equipment List

Outdoor units

Equipment	Overview	Quantity
RAS-3M18S3AV-E	Outdoor multi-split unit	1

Indoor units

Equipment	Overview	Quantity
RAS-M07N3KV2-E1	Indoor unit Multi-split, wall (Monza)	3

Remote controls

Equipment	Overview	Quantity
Remote control for Daisekai unit		3

Tube length

Pipe Diameter	Gas side (m)	Liquid side (m)	Total length (m)
Ø6.4 mm (1/4")	0	21.17	21.17
Ø9.5 mm (3/8")	21.17	0	21.17

Outdoor Design Temperature

Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	32.8
Heating	Wet bulb temperature	3.3

7.3.- Details

Outdoor Unit Models

Equipment	Outdoor unit
RAS-3M18S3AV-E	OUTDOOR UNIT - HOUSE 8

Outdoor units

Equipment	Heating (W)		Cooling (W)	
	Nominal	Corrected	Nominal	Corrected
RAS-3M18S3AV-E	6800	6214	5200	4970

Indoor units

Equipment	Space		Mode		
			Nominal	Corrected	Required
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1308
		Heating	2700	2082	1181
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1211
		Heating	2700	2082	1539
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1665	1090
		Heating	2700	2082	1536

8.- OUTDOOR UNIT - HOUSE 7

8.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Connected indoor units	3	3	✓
Total pipe length	22.16 m	50.00 m	✓
Difference in height between indoor and outdoor units	0.00 m	10.00 m	✓

8.2.- Equipment List

Outdoor units

Equipment	Overview	Quantity
RAS-3M18S3AV-E	Outdoor multi-split unit	1

Indoor units

Equipment	Overview	Quantity
RAS-M07N3KV2-E1	Indoor unit Multi-split, wall (Monza)	3

Remote controls

Equipment	Overview	Quantity
Remote control for Daisekai unit		3

Tube length

Pipe Diameter	Gas side (m)	Liquid side (m)	Total length (m)
Ø6.4 mm (1/4")	0	22.16	22.16
Ø9.5 mm (3/8")	22.16	0	22.16

Outdoor Design Temperature

Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	32.8
Heating	Wet bulb temperature	3.3

8.3.- Details

Outdoor Unit Models

Equipment	Outdoor unit
RAS-3M18S3AV-E	OUTDOOR UNIT - HOUSE 7

Outdoor units

Equipment	Heating (W)		Cooling (W)	
	Nominal	Corrected	Nominal	Corrected
RAS-3M18S3AV-E	6800	6193	5200	4953

Indoor units

Equipment	Space		Mode		
			Nominal	Corrected	Required
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1277
		Heating	2700	2079	1134
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1199
		Heating	2700	2079	1531
RAS-M07N3KV2-E1	24.00 °C - 50.00% 21.00 °C	Cooling	2000	1663	1093
		Heating	2700	2079	1546