DAIKIN

Air Conditioners

Technical Data

VRV®

Air-cooled selection procedure for RXYRQ-P



EEDEN12-209

DAIKIN

Air Conditioners

Technical Data

VRV®

Air-cooled selection procedure for RXYRQ-P



EEDEN12-209

TABLE OF CONTENTS

II Air-cooled selection procedure for RXYRQ-P

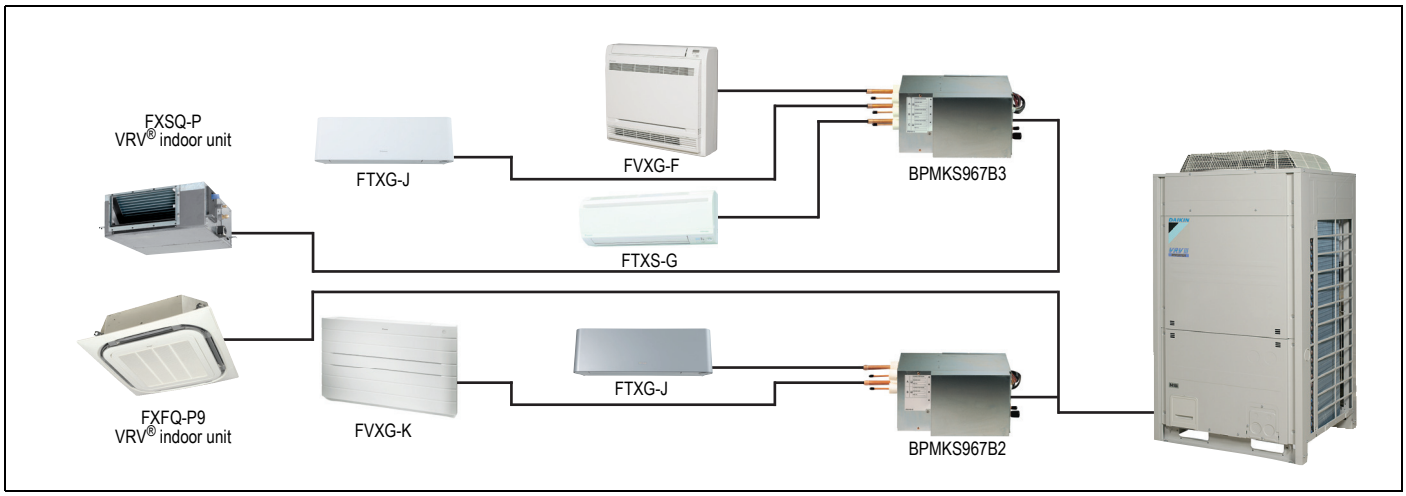
1 System lay-out 2

2 Selection cooling mode for mix VRV-RA indoors 3
Flowchart 3
Step by step 4
Example 6

3 Limitations on the number of indoor units connectable to a central controller 12

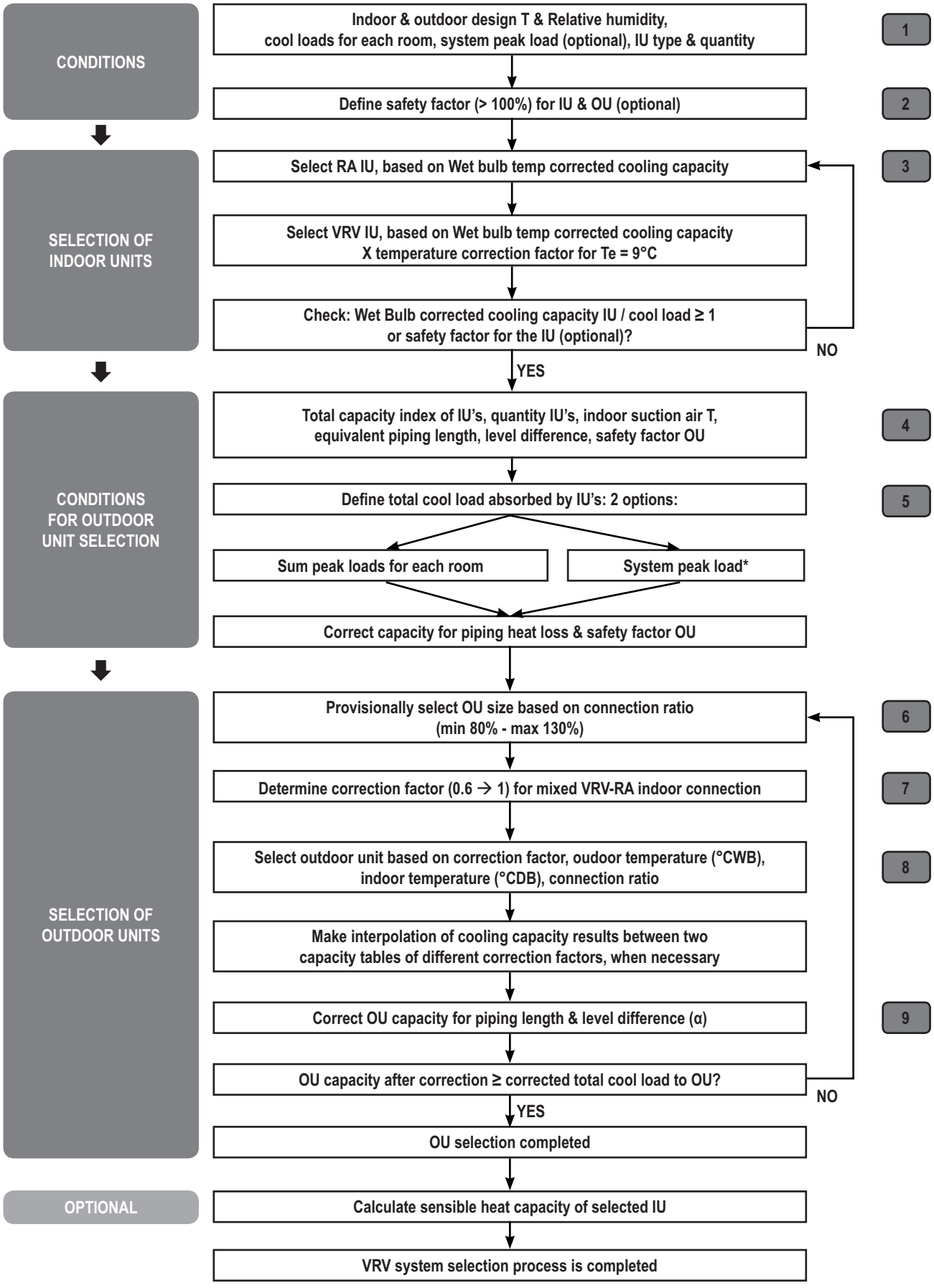
4 Indoor unit capacity correction factor 14

1 System lay-out



2 Selection cooling mode for mix VRV-RA indoors

2 - 1 Flowchart



*** System peak load = maximum load which has to be covered at the same time by all indoor units which are connected to the same outdoor unit**

2 Selection cooling mode for mix VRV-RA indoors

2 - 2 Step by step

2 - 2 - 1 Design conditions:

To start designing a VRV® system in cooling mode, following information is needed:

- Indoor conditions: Wet bulb temperature (°CWB) & Dry bulb temperature (°CDB)
- Outdoor conditions: Dry bulb temperature (°CDB)
- Cooling loads per room: total cool load, sensible cool load (optional)
- System peak load: the maximum total cool load that occurs at a certain moment of the day that has to be handled by all indoor units connected to a same outdoor unit system

2 - 2 - 2 Safety factor:

Optionally it is possible to increase the calculated cool loads by a certain factor (>1) to have extra safety when selecting indoor unit size & outdoor unit size

2 - 2 - 3 Selection of indoor unit

Select indoor unit based on total cool load at design indoor wet bulb temperature (°CWB) & nominal outdoor dry bulb temperature (35°CDB):

2 - 2 - 3 - 1 RA indoor unit

➔ See cooling capacity table of selected type of indoor unit combined with an outdoor unit in pair combination (RXS or RZQ outdoor).

2 - 2 - 3 - 2 VRV indoor unit

Select VRV indoor unit from standard cooling capacity table and multiply with the capacity correction factor for Te = 9°C.

If a safety factor has been applied to the cool load, please check if the cooling capacity of the indoor unit is bigger than the corrected cool load.

2 - 2 - 4 Check cool load

Check if the cooling capacity of the indoor unit is bigger than the cool load.

2 - 2 - 5 Conditions for outdoor unit selection:

Following data is needed to select correct outdoor unit system:

- Total capacity index of indoor units (= sum of capacity indexes of all indoor units)
- Total number of connected indoor units
- Indoor suction air temperature (°CWB/°CDB) & design outdoor temperature (°CDB)
- Equivalent piping length between furthest indoor unit and outdoor unit
- Level difference between indoor units & outdoor unit
- Safety factor for outdoor unit (optional)

NOTE

1 capacity index = capacity class of RA indoor unit

2 Selection cooling mode for mix VRV-RA indoors

2 - 2 Step by step

2 - 2 - 6 Define cooling capacity to be given by outdoor unit system:

Step 1: Define Total cooling load to be absorbed by connected indoor units: two options:

- Sum of peak loads for each room
- System peak load

Step 2: Correct total cool load indoor units by piping heat loss factor & (optional) safety factor outdoor unit

Cooling capacity to be given by outdoor unit system = total cooling load x (1 - heat loss factor x actual pipe run) x safety factor

Heat loss factor is function of design outdoor temperature (see below table)

Design outdoor temperature (°CDB)	Piping heat loss factor (%/m)
< 10	0%
15	0.004%
20	0.009%
25	0.014%
30	0.022%
35	0.030%
40	0.038%

2 - 2 - 7 Selection of outdoor unit

Provisionally select an outdoor unit, based on the Indoor design temperature (°CWB), outdoor temperature (°CDB) and connection ratio (between 80% - 130%)

2 - 2 - 8 Determine the correction factor for mixed connection

The formula for the outdoor unit correction factor can be used when a mix of VRV and residential indoor units are connected or when only residential indoor units are connected. Do not connect only VRV units to an RXYRQ-P outdoor unit.

Outdoor unit correction factor for mixed correction =

$$\frac{\Sigma(\text{VRV Indoor unit capacity index x Correction factor for Te = 9°C for each indoor unit at rated condition}) + \Sigma(\text{RA indoor unit capacity index})}{\Sigma(\text{VRV indoor unit capacity index}) + \Sigma(\text{RA indoor unit capacity index})}$$

In the numerator the sum is made of the VRV indoor unit capacity indexes multiplied with the correction factor at Te = 9°C conditions and the RA capacity indices. In the denominator all capacity indexes are added.

2 - 2 - 9 Correct outdoor unit capacity by the correction factor for mixed connection

The correction factor calculated in the previous step can now be used to determine the outdoor unit capacity at given indoor temperature, outdoor temperature and connection ratio. For every outdoor unit 5 different capacity tables are given:

- Correction factor for mixed connection 1
- Correction factor for mixed connection 0.9
- Correction factor for mixed connection 0.8
- Correction factor for mixed connection 0.7
- Correction factor for mixed connection 0.6

The outdoor unit capacity at a certain connection ratio and with a certain correction factor for mixed connection can be calculated by interpolating first between the capacity ratios and then between the different correction factors.

2 - 2 - 10 Correct outdoor unit capacity for piping losses

Capacity of the outdoor unit needs to be corrected for losses of the refrigerant piping length & height difference between indoor and outdoor unit.

➔ See capacity correction ratio graph in ED

Check if the available capacity is still bigger than the cooling capacity to be given by the outdoor system (see chapter 4)

If this is not the case a larger unit needs to be selected and the calculation restarts.

2 Selection cooling mode for mix VRV-RA indoors

2 - 3 Example

2 - 3 - 1 Design conditions

- Determine indoor / outdoor design temperature

  Indoor: 20°CWB / 28°CDB

  Ambient: 33°CDB

- Determine room peak loads (and if possible, system peak loads = optional)

Design loads in kW (total cooling capacity)

Time	A	B	C	D	E	F	G	H	Sum
9h00	***2.9***	2	1.5	3.3	3	***4***	3	1.7	21.4 kW
13h00	2	***2.7***	1	3.3	***4***	3.4	***3.9***	1.9	22.2 kW
17h00	1.9	1.8	***2.5***	***4.3***	3.3	3	2.3	***2.9***	22 kW

Sum Room Peak loads 27.2 kW

System Peak Load 22.2 kW Max capacity requested from outdoor unit

2 - 3 - 2 Safety factor

In this example, safety factor does not use.

2 - 3 - 3 Selection of indoor unit

FXCQ indoor unit

	A	B	C	D	E	F	G	H	**Sum**
FXCQ				**50**	**50**	**50**	**50**	**50**	**330**
FTXG	**35**	**35**	**25**					**35**	
kW	**3.6**	**3.6**	**2.5**	**4.8**	**4.8**	**4.8**	**4.8**	**3.6**	**32.3**

* the capacity is selected according to the design conditions (indoor 20°CWB / 28°CDB; ambient 35°CDB)

NOTE

1 The new selection method, for the indoor unit selection, does not take into account the outdoor temperature. Therefore take the rated outdoor temperatures when looking up in the indoor unit capacity table (35°CDB for cooling, 7°CDB for heating)

2 - 3 - 3 - 1 RA indoor unit

Cooling **50Hz 220-240V**

AFR	10.1
BF	0.14

Indoor		Outdoor temperature (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.57	2.63	0.68	3.42	2.56	0.75	3.26	2.48	0.81	3.19	2.45	0.84	3.10	2.40	0.88	2.93	2.32	0.95
16.0	22	3.75	2.60	0.69	3.58	2.52	0.75	3.42	2.44	0.82	3.36	2.41	0.84	3.26	2.37	0.88	3.10	2.29	0.95
18.0	25	3.91	2.72	0.69	3.75	2.65	0.76	3.58	2.57	0.82	3.52	2.55	0.85	3.42	2.50	0.89	3.26	2.43	0.95
19.0	27	3.99	2.86	0.69	3.83	2.79	0.76	3.66	2.73	0.82	3.60	2.70	0.85	3.50	2.66	0.89	3.34	2.59	0.96
22.0	30	4.23	2.76	0.70	4.07	2.70	0.76	3.90	2.64	0.83	3.84	2.61	0.86	3.74	2.58	0.90	3.58	2.52	0.96
24.0	32	4.39	2.69	0.70	4.23	2.63	0.77	4.07	2.58	0.83	4.00	2.55	0.86	3.90	2.52	0.90	3.74	2.47	0.97

TC (20°CWB/28°CDB) = (3.74-3.50)x(28-27)/(30-27) + 3.50 = 3.58

To be able to connect the RA indoor units to the VRV outdoor unit, a BPMK box should be added.

2 types exist, the BPMKS967B2B to connect to 2 RA indoors, and the BPMKS967B3B to connect to 3 RA indoors.

In this example, for the first 3 units (35 +35 +25) a BPMKS967B**3**B will be used and for the last 35 class, a BPMKS967B**2**B is used.

2 Selection cooling mode for mix VRV-RA indoors

2 - 3 Example

2 - 3 - 3 Selection of indoor unit

2 - 3 - 3 - 2 VRV indoor unit

Capacity correction factor (Te=9°C) = 0.795

FXCQ50M TC = 6.0

TC (at Te =9C) = 6.0 x 0.795 = 4.77

FXCQ-M

		Te=9°C						
	Indoor air temperature	14.0 °CWB 20.0 °CDB	16.0 °CWB 23.0 °CDB	18.0 °CWB 26.0 °CDB	19.0 °CWB 27.0 °CDB	20.0 °CWB 28.0 °CDB	22.0 °CWB 30.0 °CDB	24.0 °CWB 32.0 °CDB
FXCQ20	TC	0.667	0.697	0.748	0.767	0.788	0.817	0.844
	SHF	1.172	1.184	1.130	1.106	1.084	1.061	1.039
FXCQ25	TC	0.681	0.690	0.741	0.766	0.787	0.817	0.842
	SHF	1.147	1.192	1.135	1.108	1.086	1.061	1.041
FXCQ32	TC	0.681	0.690	0.741	0.766	0.787	0.817	0.842
	SHF	1.147	1.192	1.135	1.108	1.086	1.061	1.041
FXCQ40	TC	0.671	0.687	0.748	0.772	0.792	0.821	0.854
	SHF	1.167	1.191	1.128	1.101	1.082	1.059	1.035
FXCQ50	TC	0.663	0.690	0.753	0.777	0.795	0.831	0.857
	SHF	1.177	1.185	1.123	1.097	1.081	1.054	1.034
FXCQ63	TC	0.682	0.692	0.740	0.763	0.784	0.815	0.840
	SHF	1.144	1.191	1.138	1.111	1.088	1.061	1.042
FXCQ80	TC	0.707	0.689	0.752	0.776	0.795	0.830	0.856
	SHF	1.166	1.187	1.124	1.098	1.080	1.055	1.035
FXCQ125	TC	0.683	0.691	0.753	0.776	0.796	0.831	0.855
	SHF	1.132	1.180	1.121	1.096	1.077	1.054	1.043

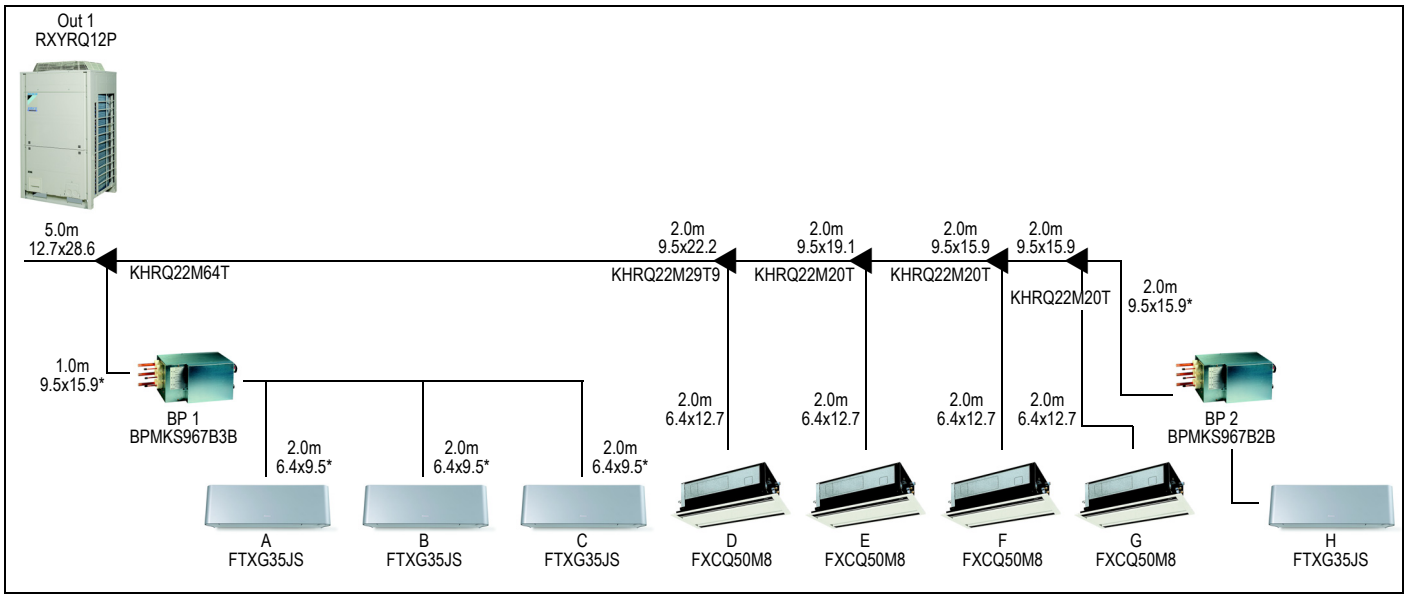
2 - 3 - 4 Check cool load

Total cooling capacity of indoors > cool load

32.3>22.2 kW

2 - 3 - 5 Conditions for outdoor unit selection:

- Total capacity index of indoor units = 330 OK
- Number of Selected indoors = 8 OK
- Equivalent piping length and level difference



Equivalent pipe length (*) = 19.5 meter

(*) Length to furthest indoor unit including equiv. pipe length of refnets (0.5 meter per refnet)

2 Selection cooling mode for mix VRV-RA indoors

2 - 3 Example

2 - 3 - 6 Define cooling capacity to be given by outdoor unit system:

Total cooling load

- Sum of peak loads = 27.2 kW
- System peak load = 22.2 kW

Correct total cool load

Table: Coefficient of loss per meter of piping with insulation thickness of 10mm

Correction factor	HLC (%/m)	HLH (%/m)
Ambient temperature	Cooling	Heating
-15		0.100
-10		0.093
-5		0.086
0		0.078
5	0.000	0.071
10	0.000	0.064
15	0.004	0.057
20	0.009	0.049
25	0.014	
30	0.022	
35	0.030	
40	0.038	

For 33°CDB ambient temperature, the heat loss factor is 0.0268% (interpolated).

For the piping length, the first 7.5m is not considered

⇨ 19.5m - 7.5m = 12m

Heat loss factor * actual piping run

⇨ 0.0268% * 12m = 0.003216

total cooling load x (1 + (heat loss factor x actual pipe run))

⇨ 22.2*(1 + 0.003216) = 22.3

2 Selection cooling mode for mix VRV-RA indoors

2 - 3 Example

2 - 3 - 7 Selection of outdoor unit

- select outdoor unit type

  RXYQ12P outdoor unit

Indoor unit combination total capacity index table

Outdoor unit	Indoor unit combination ratio								
	130 %	120 %	110 %	100 %	90 %	80 %	70%	60 %	50 %
4HP	130	120	110	100	90	80	70	60	50
5HP	162.5	150	137.5	125	112.5	100	87.5	75	62.5
6HP	182	168	154	140	126	112	98	84	70
8HP	260	240	220	200	180	160	140	120	100
10HP	325	300	275	250	225	200	175	150	125
12HP	390	360	330	300	270	240	210	180	150
14HP	455	420	385	350	315	280	245	210	175
16HP	520	480	440	400	360	320	280	240	200
18HP	585	540	495	450	405	360	315	270	225
20HP	650	600	550	500	450	400	350	300	250
22HP	715	660	605	550	495	440	385	330	275
24HP	780	720	660	600	540	480	420	360	300
26HP	845	780	715	650	585	520	455	390	325
28HP	910	840	770	700	630	560	490	420	350
30HP	975	900	825	750	675	600	525	450	375
32HP	1,040	960	880	800	720	640	560	480	400
34HP	1,105	1,020	935	850	765	680	595	510	425
36HP	1,170	1,080	990	900	810	720	630	540	450
38HP	1,235	1,140	1,045	950	855	760	665	570	475
40HP	1,300	1,200	1,100	1,000	900	800	700	600	500
42HP	1,365	1,260	1,155	1,050	945	840	735	630	525
44HP	1,430	1,320	1,210	1,100	990	880	770	660	550
46HP	1,495	1,380	1,265	1,150	1,035	920	805	690	575
48HP	1,560	1,440	1,320	1,200	1,080	960	840	720	600
50HP	1,625	1,500	1,375	1,250	1,125	1,000	875	750	625
52HP	1,690	1,560	1,430	1,300	1,170	1,040	910	780	650
54HP	1,755	1,620	1,485	1,350	1,215	1,080	945	810	675

2 - 3 - 8 Determine the correction factor for mixed connection

Total of VRV indoor unit capacity index = 200

Total of RA indoor unit capacity index = 130

Correction factor for Te 9°C = 0.795

Outdoor unit correction factor for mixed correction =

(200 x 0.795 + 130) / (200 + 130) = 0.8757

2 - 3 - 9 Correct outdoor unit capacity by the correction factor for mixed connection

Connection ratio = 330/300 = 110%

Interporate between connection ratios for each correction factor

Correction factor 0.9

35.1

Correction factor 0.8

31.4

Interporate between the different correction factors

31.4 + (35.1 – 31.4) x (0.8794 – 0.8)/(0.9-0.8) = 34.34

The calculated capacity of the assumed outdoor unit is 34.34kW.

2 Selection cooling mode for mix VRV-RA indoors

2 - 3 Example

2 - 3 - 9 Correct outdoor unit capacity by the correction factor for mixed connection

RXYRQ12P - Correction factor for mixed connection: 0.9

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: 14.0 °CWB / 20.0 °CDB		16.0 °CWB / 23.0 °CDB		18.0 °CWB / 16.0 °CDB		19.0 °CWB / 27.0 °CDB		20.0 °CWB / 28.0 °CDB		22.0 °CWB / 30.0 °CDB		24.0 °CWB / 32.0 °CDB	
		°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
130	390 (43.55)	10	26.5	3.69	31.5	4.48	36.6	5.29	39.2	5.70	41.7	6.11	43.8	5.93	44.8	5.66
		12	26.5	3.76	31.5	4.56	36.6	5.39	39.2	5.81	41.7	6.15	43.2	5.89	44.3	5.80
		14	26.5	3.82	31.5	4.64	36.6	5.49	39.2	5.91	41.6	6.12	42.7	6.07	43.8	6.13
		16	26.5	3.89	31.5	4.73	36.6	5.59	39.2	6.11	41.1	6.34	42.1	6.40	43.2	6.46
		18	26.5	3.97	31.5	4.82	36.6	5.95	39.2	6.58	40.5	6.66	41.6	6.73	42.7	6.79
		20	26.5	4.04	31.5	5.13	36.6	6.39	39.2	6.95	40.0	6.99	41.1	7.06	42.1	7.12
		21	26.5	4.15	31.5	5.31	36.6	6.62	39.2	7.11	39.7	7.15	40.8	7.22	41.8	7.29
		23	26.5	4.44	31.5	5.69	36.6	7.10	38.7	7.44	39.2	7.48	40.2	7.55	41.3	7.63
		25	26.5	4.75	31.5	6.09	36.6	7.61	38.1	7.77	38.6	7.81	39.7	7.89	40.8	7.97
		27	26.5	5.07	31.5	6.51	36.6	8.05	37.6	8.09	38.1	8.14	39.2	8.22	40.2	8.31
		29	26.5	5.40	31.5	6.95	36.5	8.38	37.0	8.42	37.5	8.47	38.6	8.56	39.7	8.65
		31	26.5	5.76	31.5	7.42	35.9	8.71	36.5	8.75	37.0	8.80	38.1	8.90	39.1	8.99
		33	26.5	6.13	31.5	7.91	35.4	9.03	35.9	9.08	36.5	9.13	37.5	9.24	38.6	9.34
		35	26.5	6.53	31.5	8.43	34.9	9.37	35.4	9.42	35.9	9.47	37.0	9.58	38.0	9.68
		37	26.5	6.94	31.5	8.99	34.3	9.70	34.8	9.75	35.4	9.81	36.4	9.9	37.5	10.0
		39	26.5	7.39	31.5	9.6	33.8	10.0	34.3	10.1	34.8	10.1	35.9	10.3	36.9	10.4
120	360 (40.20)	10	24.4	3.39	29.1	4.10	33.8	4.84	36.2	5.22	38.5	5.60	43.0	6.11	44.0	5.87
		12	24.4	3.44	29.1	4.17	33.8	4.93	36.2	5.31	38.5	5.70	42.5	6.08	43.5	5.83
		14	24.4	3.51	29.1	4.25	33.8	5.02	36.2	5.41	38.5	5.80	41.9	6.04	42.9	6.08
		16	24.4	3.57	29.1	4.33	33.8	5.11	36.2	5.51	38.5	5.95	41.4	6.36	42.4	6.41
		18	24.4	3.64	29.1	4.41	33.8	5.29	36.2	5.83	38.5	6.41	40.9	6.68	41.8	6.74
		20	24.4	3.70	29.1	4.58	33.8	5.68	36.2	6.27	38.5	6.89	40.3	7.01	41.3	7.07
		21	24.4	3.74	29.1	4.74	33.8	5.88	36.2	6.50	38.5	7.11	40.0	7.17	41.0	7.24
		23	24.4	3.99	29.1	5.08	33.8	6.30	36.2	6.97	38.5	7.43	39.5	7.50	40.5	7.57
		25	24.4	4.26	29.1	5.43	33.8	6.75	36.2	7.46	38.0	7.76	38.9	7.83	39.9	7.90
		27	24.4	4.54	29.1	5.80	33.8	7.22	36.2	7.98	37.4	8.08	38.4	8.16	39.4	8.24
		29	24.4	4.84	29.1	6.19	33.8	7.71	36.2	8.37	36.9	8.41	37.9	8.49	38.8	8.58
		31	24.4	5.16	29.1	6.60	33.8	8.23	35.8	8.70	36.3	8.74	37.3	8.83	38.3	8.92
		33	24.4	5.49	29.1	7.04	33.8	8.78	35.3	9.03	35.8	9.07	36.8	9.16	37.7	9.26
		35	24.4	5.83	29.1	7.49	33.8	9.31	34.8	9.36	35.2	9.40	36.2	9.50	37.2	9.60
		37	24.4	6.20	29.1	7.98	33.7	9.64	34.2	9.69	34.7	9.74	35.7	9.84	36.7	9.9
		39	24.4	6.59	29.1	8.49	33.2	10.0	33.7	10.0	34.2	10.1	35.1	10.2	36.1	10.3
110	330 (36.85)	10	22.4	3.09	26.7	3.73	31.0	4.39	33.2	4.74	35.3	5.08	39.6	5.77	43.2	6.08
		12	22.4	3.14	26.7	3.79	31.0	4.47	33.2	4.82	35.3	5.17	39.6	5.88	42.6	6.04
		14	22.4	3.20	26.7	3.86	31.0	4.56	33.2	4.91	35.3	5.27	39.6	5.99	42.1	6.04
		16	22.4	3.25	26.7	3.93	31.0	4.64	33.2	5.00	35.3	5.37	39.6	6.21	41.5	6.36
		18	22.4	3.31	26.7	4.01	31.0	4.73	33.2	5.14	35.3	5.63	39.6	6.63	41.0	6.69
		20	22.4	3.37	26.7	4.08	31.0	5.01	33.2	5.52	35.3	6.05	39.6	6.96	40.5	7.02
		21	22.4	3.40	26.7	4.21	31.0	5.18	33.2	5.71	35.3	6.27	39.3	7.12	40.2	7.18
		23	22.4	3.56	26.7	4.50	31.0	5.55	33.2	6.12	35.3	6.72	38.7	7.45	39.6	7.51
		25	22.4	3.80	26.7	4.81	31.0	5.94	33.2	6.55	35.3	7.20	38.2	7.77	39.1	7.84
		27	22.4	4.05	26.7	5.13	31.0	6.35	33.2	7.01	35.3	7.70	37.7	8.10	38.5	8.17
		29	22.4	4.31	26.7	5.47	31.0	6.78	33.2	7.49	35.3	8.23	37.1	8.43	38.0	8.51
		31	22.4	4.59	26.7	5.83	31.0	7.23	33.2	7.99	35.3	8.68	36.6	8.76	37.5	8.84
		33	22.4	4.88	26.7	6.21	31.0	7.71	33.2	8.53	35.1	9.01	36.0	9.09	36.9	9.18
		35	22.4	5.18	26.7	6.61	31.0	8.22	33.2	9.09	34.6	9.34	35.5	9.43	36.4	9.52
		37	22.4	5.51	26.7	7.04	31.0	8.76	33.2	9.62	34.0	9.67	34.9	9.76	35.8	9.86
		39	22.4	5.85	26.7	7.48	31.0	9.3	33.0	10.0	33.5	10.0	34.4	10.1	35.3	10.2

RXYRQ12P - Correction factor for mixed connection: 0.8

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: 14.0 °CWB / 20.0 °CDB		16.0 °CWB / 23.0 °CDB		18.0 °CWB / 16.0 °CDB		19.0 °CWB / 27.0 °CDB		20.0 °CWB / 28.0 °CDB		22.0 °CWB / 30.0 °CDB		24.0 °CWB / 32.0 °CDB	
		°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
130	390 (43.55)	10	23.5	3.17	28.0	3.81	32.6	4.47	34.8	4.80	37.1	5.13	41.6	5.78	44.8	5.66
		12	23.5	3.23	28.0	3.88	32.6	4.55	34.8	4.88	37.1	5.22	41.6	5.88	44.3	5.80
		14	23.5	3.28	28.0	3.95	32.6	4.63	34.8	4.97	37.1	5.31	41.6	6.07	43.8	6.13
		16	23.5	3.34	28.0	4.02	32.6	4.71	34.8	5.13	37.1	5.63	41.6	6.40	43.2	6.46
		18	23.5	3.40	28.0	4.09	32.6	5.00	34.8	5.52	37.1	6.06	41.6	6.73	42.7	6.79
		20	23.5	3.46	28.0	4.35	32.6	5.37	34.8	5.93	37.1	6.51	41.1	7.06	42.1	7.12
		21	23.5	3.55	28.0	4.50	32.6	5.57	34.8	6.14	37.1	6.75	40.8	7.22	41.8	7.29
		23	23.5	3.80	28.0	4.82	32.6	5.96	34.8	6.58	37.1	7.24	40.2	7.55	41.3	7.63
		25	23.5	4.05	28.0	5.15	32.6	6.38	34.8	7.05	37.1	7.75	39.7	7.89	40.8	7.97
		27	23.5	4.32	28.0	5.50	32.6	6.82	34.8	7.54	37.1	8.14	39.2	8.22	40.2	8.31
		29	23.5	4.60	28.0	5.87	32.6	7.29	34.8	8.06	37.1	8.47	38.6	8.56	39.7	8.65
		31	23.5	4.90	28.0	6.25	32.6	7.78	34.8	8.61	37.0	8.80	38.1	8.90	39.1	8.99
		33	23.5	5.21	28.0	6.66	32.6	8.30	34.8	9.08	36.5	9.13	37.5	9.24	38.6	9.34
		35	23.5	5.54	28.0	7.10	32.6	8.85	34.8	9.42	35.9	9.47	37.0	9.58	38.0	9.68
		37	23.5	5.89	28.0	7.55	32.6	9.43	34.8	9.75	35.4	9.81	36.4	9.9	37.5	10.0
		39	23.5	6.26	28.0	8.0	32.6	10.0	34.3	10.1	34.8	10.1	35.9	10.3	36.9	10.4
120	360 (40.20)	10	21.7	2.92	25.9	3.50	30.1	4.10	32.2	4.41	34.3	4.71	38.4	5.32	42.6	5.87
		12	21.7	2.97	25.9	3.56	30.1	4.18	32.2	4.49	34.3	4.80	38.4	5.41	42.6	5.83
		14	21.7	3.02	25.9	3.63	30.1	4.25	32.2	4.56	34.3	4.88	38.4	5.51	42.6	6.08
		16	21.7	3.07	25.9	3.69	30.1	4.33	32.2	4.65	34.3	5.00	38.4	5.93	42.4	6.41
		18	21.7	3.13	25.9	3.76	30.1	4.47	32.2	4.91	34.3	5.38	38.4	6.39	41.8	6.74
		20	21.7	3.18	25.9	3.90	30.1	4.79	32.2	5.28	34.3	5.78	38.4	6.87	41.3	7.07
		21	21.7	3.21	25.9	4.03	30.1	4.96	32.2	5.46	34.3	5.99	38.4	7.11	41.0	7.24
		23	21.7	3.42	25.9	4.32	30.1	5.31	32.2	5.85	34.3	6.42	38.4	7.50	40.5	7.57
		25	21.7	3.65	25.9	4.61	30.1	5.68	32.2	6.26	34.3	6.87	38.4	7.83	39.9	7.90
		27	21.7	3.89	25.9	4.92	30.1	6.07	32.2	6.70	34.3	7.35	38.4	8.16	39.4	8.24
		29	21.7	4.14	25.9	5.24	30.1	6.48	32.2	7.15	34.3	7.85	37.9	8.49	38.8	8.58
		31	21.7	4.41	25.9	5.59	30.1	6.91	32.2	7.63	34.3	8.39	37.3	8.83	38.3	8.92
		33	21.7	4.68	25.9	5.95	30.1	7.37	32.2	8.14	34.3	8.95	36.8	9.16	37.7	9.26
		35	21.7	4.97	25.9	6.33	30.1	7.85	32.2	8.68	34.3	9.40	36.2	9.50	37.2	9.60
		37	21.7	5.28	25.9	6.73	30.1	8.37	32.2	9.25	34.3	9.74	35.7	9.84	36.7	9.9
		39	21.7	5.61	25.9	7.16	30.1	8.9	32.2	9.9	34.2	10.1	35.1	10.2	36.1	10.3
110	330 (36.85)	10	19.9	2.68	23.7	3.20	27.6	3.74	29.5	4.02	31.4	4.30	35.2	4.86	39.1	5.41
		12	19.9	2.72	23.7	3.26	27.6	3.81	29.5	4.09	31.4	4.37	35.2	4.94	39.1	5.50
		14	19.9	2.77	23.7	3.31	27.6	3.87	29.5	4.16	31.4	4.45	35.2	5.03	39.1	5.63
		16	19.9	2.82	23.7	3.37	27.6	3.94	29.5	4.24	31.4	4.53	35.2	5.21	39.1	6.08
		18	19.9	2.86	23.7	3.43	27.6	4.02	29.5	4.34	31.4	4.75	35.2	5.61	39.1	6.55
		20	19.9	2.91	23.7	3.49	27.6	4.25	29.5	4.66	31.4	5.10	35.2	6.03	39.1	7.02
		21	19.9	2.94	23.7	3.59	27.6	4.39	29.5	4.83	31.4	5.28	35.2	6.24	39.1	7.18
		23	19.9	3.07	23.7	3.84	27.6	4.70	29.5	5.17	31.4	5.65	35.2	6.69	39.1	7.51
		25	19.9	3.27	23.7	4.10	27.6	5.03	29.5	5.53	31.4	6.05	35.2	7.17	39.1	7.84
		27	19.9	3.48	23.7	4.37	27.6	5.37	29.5	5.90	31.4	6.46	35.2	7.67	38.5	8.17
		29	19.9	3.71	23.7	4.66	27.6	5.72	29.5	6.30	31.4	6.90	35.2	8.20	38.0	8.51
		31	19.9	3.94	23.7	4.96	27.6	6.10	29.5	6.72	31.4	7.37	35.2	8.75	37.5	8.84
		33	19.9	4.18	23.7	5.28	27.6	6.50	29.5	7.16	31.4	7.86	35.2	9.09	36.9	9.18
		35	19.9	4.44	23.7	5.61	27.6	6.92	29.5	7.63	31.4	8.37	35.2	9.43	36.4	9.52
		37	19.9	4.71	23.7	5.96	27.6	7.37	29.5	8.12	31.4	8.92	34.9	9.76	35.8	9.86
		39	19.9	5.00	23.7	6.34	27.6	7.8	29.5	8.6	31.4	9.5	34.4	10.1	35.3	10.2

2 Selection cooling mode for mix VRV-RA indoors

2 - 3 Example

2 - 3 - 10 Correct outdoor unit capacity for piping losses

At 33°CDB ambient, 20°CWB/28°CDB indoor, the cooling capacity outdoor = 34.34 kW

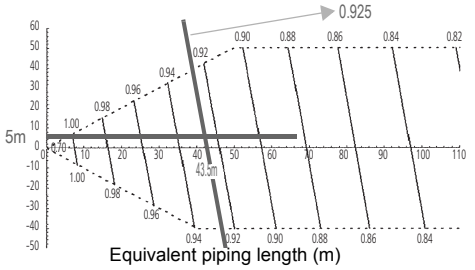
In the capacity the outdoor unit can deliver following losses have to be incorporated:

1 pipe length / level difference correction factor for given equiv. pipe length (19.5m) and level difference (5 m) = 0.925

2 losses due to defrost = not applicable (since cooling mode)

=> 34.34 kW * 0.925 = 31.76 kW

The outdoor unit gives 31.76 kW whereas the required capacity is 22.4 kW



3 Limitations on the number of indoor units connectable to a central controller

Because the RXYRQ units are connected to VRV® indoor units, BP-boxes and RA indoor units, the communication is higher than for normal VRV® systems. Therefore the number of connectable units to a central controller is limited. In table below an overview is given showing the different connection possibilities for the number of residential and VRV® indoor units depending on the number of outdoor systems.

Maximum connection Q'ty (Outdoor and indoor)

Total outdoor unit Q'ty: 10	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	79	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	14	30	47	63	79	95	111	128
Total outdoor unit Q'ty	10	10	10	10	10	10	10	10	10

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 9	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	81	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	17	33	48	64	80	96	112	128
Total outdoor unit Q'ty	9	9	9	9	9	9	9	9	9

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 8	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	82	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	18	34	49	65	81	96	112	128
Total outdoor unit Q'ty	8	8	8	8	8	8	8	8	8

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 7	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	84	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	21	36	51	67	82	97	112	128
Total outdoor unit Q'ty	7	7	7	7	7	7	7	7	7

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 6	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	86	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	23	38	53	68	83	98	113	128
Total outdoor unit Q'ty	6	6	6	6	6	6	6	6	6

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 5	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	88	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	26	40	55	69	84	98	113	128
Total outdoor unit Q'ty	5	5	5	5	5	5	5	5	5

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 4	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	89	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	27	41	56	70	84	99	113	128
Total outdoor unit Q'ty	4	4	4	4	4	4	4	4	4

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 3	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	91	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	29	43	57	71	85	99	113	128
Total outdoor unit Q'ty	3	3	3	3	3	3	3	3	3

❊: BPMK Q'ty can be ignored.

Total outdoor unit Q'ty: 2	EX.1	EX.2	EX.3	EX.4	EX.5	EX.6	EX.7	EX.8	Normal case
Indoor for (Sky Air + RA) ❊	93	70	60	50	40	30	20	10	0
Indoor for normal VRV	0	31	45	59	72	86	100	114	128
Total outdoor unit Q'ty	2	2	2	2	2	2	2	2	2

❊: BPMK Q'ty can be ignored.

3 Limitations on the number of indoor units connectable to a central controller

Example:

When 3 outdoor units are connected to a central controller, it is possible to connect:

- 70 Sky Air or residential indoor units and 29 VRV® indoor units
- OR 60 Sky Air or residential indoor units and 43 VRV® indoor units
- OR 50 Sky Air or residential indoor units and 57 VRV® indoor units
- …

It is possible to interpolate between the different examples, but you always have to round down. For example if you want to connect 3 outdoor units and 65 Sky Air or residential indoor units to a central controller, you can connect 36 VRV® indoor units (29 + (70-65)/(70-60) x (43 - 29) = 36).

4 Indoor unit capacity correction factor

RXYRQ-P

		Te=9°C						
	Indoor air temperature	14.0 °CWB 20.0 °CDB	16.0 °CWB 23.0 °CDB	18.0 °CWB 26.0 °CDB	19.0 °CWB 27.0 °CDB	20.0 °CWB 28.0 °CDB	22.0 °CWB 30.0 °CDB	24.0 °CWB 32.0 °CDB
FXAQ20	TC	0.687	0.692	0.742	0.759	0.780	0.813	0.836
	SHF	1.132	1.194	1.139	1.116	1.093	1.061	1.046
FXAQ25	TC	0.691	0.692	0.739	0.759	0.780	0.814	0.836
	SHF	1.123	1.193	1.140	1.115	1.093	1.061	1.046
FXAQ32	TC	0.700	0.692	0.736	0.760	0.781	0.815	0.836
	SHF	1.107	1.190	1.140	1.089	1.091	1.059	1.050
FXAQ40	TC	0.681	0.684	0.748	0.772	0.792	0.824	0.853
	SHF	1.142	1.192	1.127	1.101	1.081	1.058	1.037
FXAQ50	TC	0.688	0.690	0.751	0.775	0.797	0.832	0.854
	SHF	1.119	1.182	1.122	1.097	1.077	1.053	1.052
FXAQ63	TC	0.694	0.690	0.753	0.781	0.806	0.833	0.853
	SHF	1.102	1.181	1.121	1.095	1.074	1.054	1.050
FXLQ20	TC	0.650	0.709	0.767	0.788	0.808	0.842	0.866
	SHF	1.205	1.160	1.108	1.090	1.073	1.046	1.029
FXLQ25	TC	0.650	0.711	0.769	0.791	0.812	0.844	0.867
	SHF	1.206	1.158	1.108	1.088	1.071	1.046	1.029
FXLQ32	TC	0.647	0.709	0.767	0.787	0.807	0.842	0.866
	SHF	1.212	1.160	1.109	1.090	1.073	1.045	1.028
FXLQ40	TC	0.661	0.714	0.775	0.797	0.814	0.844	0.867
	SHF	1.184	1.154	1.103	1.084	1.071	1.047	1.036
FXLQ50	TC	0.654	0.709	0.768	0.790	0.809	0.842	0.865
	SHF	1.194	1.160	1.107	1.088	1.073	1.046	1.029
FXLQ63	TC	0.662	0.713	0.773	0.795	0.813	0.843	0.866
	SHF	1.179	1.155	1.103	1.084	1.071	1.049	1.039
FXNQ20	TC	0.650	0.709	0.767	0.788	0.808	0.842	0.866
	SHF	1.205	1.160	1.108	1.090	1.073	1.046	1.029
FXNQ25	TC	0.650	0.711	0.769	0.791	0.812	0.844	0.867
	SHF	1.206	1.158	1.108	1.088	1.071	1.046	1.029
FXNQ32	TC	0.647	0.709	0.767	0.787	0.807	0.842	0.866
	SHF	1.212	1.160	1.109	1.090	1.073	1.045	1.028
FXNQ40	TC	0.661	0.714	0.775	0.797	0.814	0.844	0.867
	SHF	1.184	1.154	1.103	1.084	1.071	1.047	1.036
FXNQ50	TC	0.654	0.709	0.768	0.790	0.809	0.842	0.865
	SHF	1.194	1.160	1.107	1.088	1.073	1.046	1.029
FXNQ63	TC	0.662	0.713	0.773	0.795	0.813	0.843	0.866
	SHF	1.179	1.155	1.103	1.084	1.071	1.049	1.039
FXSQ20	TC	0.697	0.694	0.754	0.776	0.795	0.827	0.854
	SHF	1.112	1.173	1.117	1.093	1.075	1.053	1.057
FXSQ25	TC	0.684	0.705	0.764	0.790	0.812	0.837	0.859
	SHF	1.130	1.159	1.107	1.084	1.067	1.051	1.054
FXSQ32	TC	0.686	0.706	0.766	0.792	0.814	0.837	0.859
	SHF	1.126	1.159	1.106	1.083	1.066	1.051	1.054
FXSQ40	TC	0.689	0.714	0.781	0.801	0.816	0.840	0.863
	SHF	1.124	1.151	1.098	1.080	1.067	1.051	1.050
FXSQ50	TC	0.689	0.714	0.781	0.801	0.816	0.840	0.863
	SHF	1.124	1.151	1.098	1.080	1.067	1.051	1.050
FXSQ63	TC	0.677	0.708	0.766	0.791	0.811	0.838	0.861
	SHF	1.145	1.157	1.105	1.083	1.068	1.054	1.051
FXSQ80	TC	0.686	0.710	0.775	0.799	0.815	0.839	0.861
	SHF	1.128	1.154	1.101	1.080	1.067	1.050	1.052
FXSQ100	TC	0.679	0.707	0.766	0.792	0.812	0.838	0.861
	SHF	1.140	1.157	1.106	1.083	1.067	1.053	1.054
FXSQ125	TC	0.687	0.709	0.773	0.799	0.815	0.838	0.861
	SHF	1.126	1.155	1.102	1.080	1.067	1.051	1.052

NOTES

How to use this table.
Capacity : Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.
SHF : SHF for High sensible mode = SHF for normal capacity table X SHF ratio.
In case of SHF is bigger than 1, SHF is "1"

4TW33912-6(1)

4 Indoor unit capacity correction factor

RXYRQ-P

		Te=9°C						
	Indoor air temperature	14.0 °CWB 20.0 °CDB	16.0 °CWB 23.0 °CDB	18.0 °CWB 26.0 °CDB	19.0 °CWB 27.0 °CDB	20.0 °CWB 28.0 °CDB	22.0 °CWB 30.0 °CDB	24.0 °CWB 32.0 °CDB
FXMQ20	TC	0.684	0.705	0.764	0.790	0.812	0.837	0.859
	SHF	1.130	1.159	1.107	1.084	1.067	1.051	1.054
FXMQ25	TC	0.684	0.705	0.764	0.790	0.812	0.837	0.859
	SHF	1.130	1.159	1.107	1.084	1.067	1.051	1.054
FXMQ32	TC	0.686	0.706	0.766	0.792	0.814	0.837	0.859
	SHF	1.126	1.159	1.106	1.083	1.066	1.051	1.054
FXMQ40	TC	0.689	0.714	0.781	0.801	0.816	0.840	0.863
	SHF	1.124	1.151	1.098	1.080	1.067	1.051	1.050
FXMQ50	TC	0.674	0.707	0.766	0.788	0.808	0.838	0.861
	SHF	1.150	1.157	1.106	1.084	1.069	1.054	1.049
FXMQ63	TC	0.677	0.708	0.766	0.791	0.811	0.838	0.861
	SHF	1.145	1.157	1.105	1.083	1.068	1.054	1.051
FXMQ80	TC	0.686	0.710	0.775	0.799	0.815	0.839	0.861
	SHF	1.128	1.154	1.101	1.080	1.067	1.050	1.052
FXMQ100	TC	0.679	0.707	0.766	0.792	0.812	0.838	0.861
	SHF	1.140	1.157	1.106	1.083	1.067	1.053	1.054
FXMQ125	TC	0.687	0.709	0.773	0.799	0.815	0.838	0.861
	SHF	1.126	1.155	1.102	1.080	1.067	1.051	1.052
FXMQ200	TC	0.679	0.701	0.762	0.788	0.810	0.836	0.859
	SHF	1.136	1.164	1.109	1.085	1.070	1.060	1.051
FXMQ250	TC	0.687	0.717	0.781	0.800	0.815	0.841	0.864
	SHF	1.129	1.151	1.099	1.081	1.069	1.053	1.056
FXDQ20M9	TC	0.682	0.696	0.757	0.783	0.807	0.833	0.856
	SHF	1.131	1.174	1.116	1.092	1.072	1.054	1.050
FXDQ25M9	TC	0.684	0.706	0.775	0.797	0.813	0.838	0.861
	SHF	1.133	1.164	1.105	1.085	1.071	1.054	1.048
FXDQ15p7	TC	0.685	0.694	0.755	0.778	0.802	0.833	0.855
	SHF	1.124	1.176	1.118	1.094	1.074	1.053	1.048
FXDQ20p7	TC	0.685	0.694	0.755	0.778	0.802	0.833	0.855
	SHF	1.124	1.176	1.118	1.094	1.074	1.053	1.048
FXDQ25p7	TC	0.685	0.694	0.755	0.778	0.802	0.833	0.855
	SHF	1.124	1.176	1.118	1.094	1.074	1.053	1.048
FXDQ32p7	TC	0.688	0.703	0.754	0.770	0.788	0.818	0.840
	SHF	1.130	1.171	1.122	1.101	1.083	1.065	1.055
FXDQ40p7	TC	0.677	0.699	0.758	0.780	0.798	0.826	0.857
	SHF	1.155	1.169	1.113	1.090	1.074	1.062	1.043
FXDQ50p7	TC	0.680	0.698	0.758	0.781	0.799	0.830	0.857
	SHF	1.143	1.169	1.113	1.090	1.073	1.063	1.047
FXDQ63p7	TC	0.673	0.708	0.767	0.793	0.812	0.839	0.862
	SHF	1.153	1.158	1.106	1.083	1.069	1.059	1.046
FXFQ20	TC	0.696	0.741	0.794	0.813	0.831	0.861	0.884
	SHF	1.156	1.151	1.107	1.091	1.077	1.053	1.037
FXFQ25	TC	0.696	0.741	0.794	0.813	0.831	0.861	0.884
	SHF	1.156	1.151	1.107	1.091	1.077	1.053	1.037
FXFQ32	TC	0.673	0.728	0.784	0.803	0.820	0.851	0.874
	SHF	1.175	1.155	1.107	1.091	1.077	1.052	1.036
FXFQ40	TC	0.681	0.732	0.786	0.805	0.821	0.852	0.875
	SHF	1.165	1.152	1.106	1.090	1.077	1.053	1.036
FXFQ50	TC	0.662	0.692	0.755	0.779	0.800	0.834	0.858
	SHF	1.173	1.183	1.121	1.096	1.079	1.054	1.035
FXFQ63	TC	0.664	0.693	0.756	0.781	0.803	0.834	0.858
	SHF	1.168	1.182	1.121	1.095	1.078	1.054	1.035
FXFQ80	TC	0.670	0.693	0.756	0.784	0.807	0.834	0.858
	SHF	1.154	1.181	1.120	1.093	1.075	1.055	1.036
FXFQ100	TC	0.678	0.697	0.763	0.790	0.810	0.834	0.858
	SHF	1.140	1.174	1.115	1.089	1.073	1.060	1.048
FXFQ125	TC	0.680	0.697	0.763	0.790	0.810	0.834	0.858
	SHF	1.136	1.175	1.115	1.089	1.072	1.061	1.049
FXZQ15	TC	0.655	0.695	0.757	0.779	0.797	0.832	0.860
	SHF	1.196	1.179	1.118	1.095	1.080	1.052	1.031
FXZQ20	TC	0.655	0.695	0.757	0.779	0.797	0.832	0.860
	SHF	1.196	1.179	1.118	1.095	1.080	1.052	1.031
FXZQ25	TC	0.655	0.695	0.757	0.779	0.797	0.832	0.860
	SHF	1.196	1.179	1.118	1.095	1.080	1.052	1.031
FXZQ32	TC	0.656	0.694	0.757	0.779	0.797	0.833	0.876
	SHF	1.194	1.180	1.119	1.095	1.080	1.051	1.032
FXZQ40	TC	0.666	0.687	0.751	0.775	0.794	0.826	0.856
	SHF	1.174	1.189	1.125	1.099	1.081	1.056	1.034
FXZQ50	TC	0.674	0.691	0.753	0.777	0.798	0.832	0.856
	SHF	1.150	1.182	1.121	1.096	1.077	1.055	1.036

NOTES

How to use this table.
Capacity : Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.
SHF : SHF for High sensible mode = SHF for normal capacity table X SHF ratio.
In case of SHF is bigger than 1, SHF is "1"

4TW33912-6(2)

4 Indoor unit capacity correction factor

RXYRQ-P

		Te=9°C						
	Indoor air temperature	14.0 °CWB 20.0 °CDB	16.0 °CWB 23.0 °CDB	18.0 °CWB 26.0 °CDB	19.0 °CWB 27.0 °CDB	20.0 °CWB 28.0 °CDB	22.0 °CWB 30.0 °CDB	24.0 °CWB 32.0 °CDB
FXCQ20	TC	0.667	0.697	0.748	0.767	0.788	0.817	0.844
	SHF	1.172	1.184	1.130	1.106	1.084	1.061	1.039
FXCQ25	TC	0.681	0.690	0.741	0.766	0.787	0.817	0.842
	SHF	1.147	1.192	1.135	1.108	1.086	1.061	1.041
FXCQ32	TC	0.681	0.690	0.741	0.766	0.787	0.817	0.842
	SHF	1.147	1.192	1.135	1.108	1.086	1.061	1.041
FXCQ40	TC	0.671	0.687	0.748	0.772	0.792	0.821	0.854
	SHF	1.167	1.191	1.128	1.101	1.082	1.059	1.035
FXCQ50	TC	0.663	0.690	0.753	0.777	0.795	0.831	0.857
	SHF	1.177	1.185	1.123	1.097	1.081	1.054	1.034
FXCQ63	TC	0.682	0.692	0.740	0.763	0.784	0.815	0.840
	SHF	1.144	1.191	1.138	1.111	1.088	1.061	1.042
FXCQ80	TC	0.707	0.689	0.752	0.776	0.795	0.830	0.856
	SHF	1.166	1.187	1.124	1.098	1.080	1.055	1.035
FXCQ125	TC	0.683	0.691	0.753	0.776	0.796	0.831	0.855
	SHF	1.132	1.180	1.121	1.096	1.077	1.054	1.043
FXHQ32	TC	0.707	0.692	0.745	0.768	0.788	0.819	0.844
	SHF	1.098	1.181	1.127	1.102	1.082	1.055	1.042
FXHQ63	TC	0.695	0.702	0.749	0.772	0.791	0.821	0.844
	SHF	1.120	1.169	1.122	1.098	1.079	1.058	1.060
FXHQ100	TC	0.690	0.697	0.757	0.779	0.798	0.829	0.856
	SHF	1.123	1.169	1.114	1.091	1.073	1.055	1.057
FXKQ25	TC	0.694	0.692	0.751	0.774	0.794	0.822	0.851
	SHF	1.118	1.176	1.119	1.095	1.076	1.055	1.041
FXKQ32	TC	0.694	0.692	0.751	0.774	0.794	0.821	0.852
	SHF	1.118	1.176	1.119	1.095	1.076	1.054	1.041
FXKQ40	TC	0.696	0.691	0.751	0.774	0.794	0.827	0.852
	SHF	1.107	1.176	1.118	1.095	1.076	1.052	1.037
FXKQ63	TC	0.690	0.693	0.753	0.776	0.795	0.822	0.853
	SHF	1.126	1.174	1.117	1.094	1.075	1.066	1.052
FXUQ71	TC	0.675	0.702	0.762	0.784	0.804	0.836	0.859
	SHF	1.149	1.164	1.110	1.088	1.072	1.061	1.046
FXUQ100	TC	0.678	0.707	0.770	0.795	0.813	0.839	0.862
	SHF	1.144	1.159	1.105	1.082	1.069	1.060	1.049
FXUQ125	TC	0.683	0.722	0.783	0.803	0.817	0.844	0.867
	SHF	1.142	1.148	1.098	1.081	1.070	1.056	1.051

NOTES

How to use this table.
Capacity : Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.
SHF : SHF for High sensible mode = SHF for normal capacity table X SHF ratio.
In case of SHF is bigger than 1, SHF is "1"

4TW33912-6(3)



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

VRV® products are not within the scope of the Eurovent certification programme.

Daikin products are distributed by:

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V..

DAIKIN EUROPE N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende

EEDEN12-209 • CD • 04/12 • Copyright Daikin
Prepared in Belgium by Lannoo (www.lannooprint.be), a company whose concern for the environment is set in the EMAS and ISO 14001 systems.
Responsible Editor: Daikin Europe N.V., Zandvoordestraat 300, B-8400 Oostende