DAIKIN

Air Conditioners

Technical Data

VRV®

Air-cooled selection procedure for RXYRQ-P

EEDEN12-209

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VRV®

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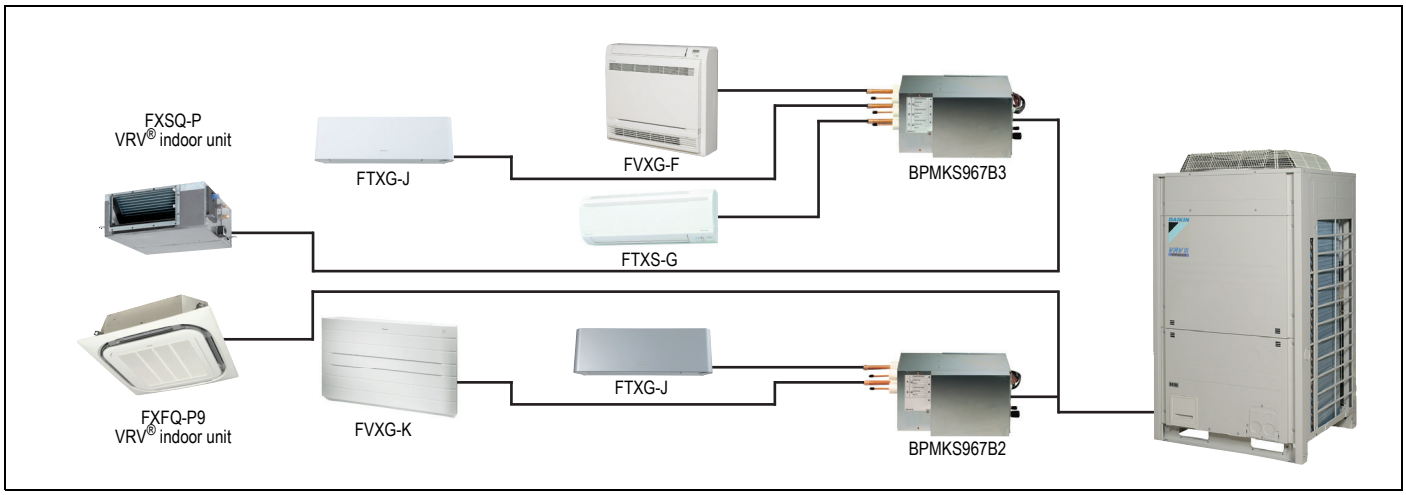
1 Air-cooled selection procedure for RXYRQ-P

1 - 1 System lay-out



1 - 2 Connectable indoor units

1 - 2 - 1 Stylish/residential indoor units

Following residential indoor units are connectable through the BPMK-box:

	Type	Model	Productname		Capacity 20	25	35	42	50	60	71
	CEILING MOUNTED CASSETTE	Round flow cassette (incl. autoclean function[2])	FCQ-C8				■		■	■	
		4-way blow ceiling mounted cassette	FFQ-BV			■	■		■	■	
	CONCEALED CEILING	Slim concealed ceiling unit	FDXS-E/C			■	■		■	■	
		Concealed ceiling unit with inverter driven fan	FBQ-C				■		■	■	
	WALL MOUNTED	Daikin Emura Wall mounted unit	FTXG-J CTXG-J			■	■		■		
NEW		Wall mounted unit	FTXS-J		■	■	■	■	■		
NEW		Wall mounted unit	FTXS-G							■	■
	CEILING SUSPENDED	Ceiling suspended unit	FHQ-B				■		■	■	
	FLOOR STANDING	Nexura floor standing unit	FVXG-K			■	■		■		
		Floor standing unit	FVXS-F			■	■		■		
		Flexi type unit	FLXS-B			■	■		■		

NOTES

1 The indoor units in the table above are only connectable to RXYRQ-P, RXYSQ-P8V1 and RXYSQ-P8Y1, in case of RXYRQ-P these indoor units can be combined with standard VRV® indoor units in the same system

2 Decoration panel BYCQ140CG + BRC1E51A needed

1 Air-cooled selection procedure for RXYRQ-P

1 - 2 Connectable indoor units

1 - 2 - 2 VRV® indoor units

All R-410A VRV® indoor units are connectable

⚠ The RXYRQ-P units are designed to operate with residential and VRV® indoor units connected. Do not connect only VRV® units.

1 - 3 System limitations

⚠
- Connection ratio: 80-130%
- No automatic charging & leak check function available

1 - 4 Selection procedure

The RXYRQ units are designed to operate at an evaporating temperature of 9°C, which is the normal evaporating temperature of Sky Air and residential indoor units, whereas the standard evaporating temperature for VRV® units is 6°C. Thus a capacity correction factor for the VRV® indoor unit needs to be used.

To select an RXYRQ system you need the capacity tables of the outdoor unit at the various correction factors for mixed connection and the table with correction factors for VRV® indoor units when connected to an RXYRQ system. The capacity tables of the outdoor unit are available in the RXYRQ databook chapter, the correction factors for VRV® indoor units can be found in this databook (cfr. chapter 2).

1 - 4 - 1 Total capacity index of indoor units

To determine the toal capacity index and consequently the connection ratio of the VRV system, make the sum of the capacity indexes of the connected VRV indoor units and the capacity classes of the connected RA indoor units.

Example: 2 x FFQ35 + 2 x FXFQ100P9

FFQ35 capacity class : 35

FXFQ100P9 capacity index: 100

⇨ Total capacity index: 2 x 100 + 2 x 35 = 270

1 - 4 - 2 Select outdoor unit

The capacity index of the outdoor unit is the same as for standard VRV ranges. Take into account that the connection ratio of RXYRQ should be between 80% and 130%.

Example:

RXYRQ8P: 270 / 200 = 135% → not allowed

RXYRQ10P: 270 / 250 = 108% = 114% → allowed

RXYRQ12P: 270 / 300 = 90% → allowed

1 Air-cooled selection procedure for RXYRQ-P

1 - 4 Selection procedure

1 - 4 - 3 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 =

$$\frac{\Sigma(\text{VRV indoor unit capacity index} \times \text{correction factor for } T_e\ 9°) + \Sigma(\text{RA indoor unit capacity index})}{\Sigma(\text{VRV indoor unit capacity index}) + \Sigma(\text{RA indoor unit capacity index})}$$

In the numerator the sum is made of the VRV indoor unit capacity indexes multiplied with the correction factor at nominal conditions and the RA capacity classes. In the denominator all capacity indexes are added.

Example:

Indoor design conditions: 18°CWB

Outdoor design conditions: 35°CDB

$$\text{OU correction factor} = \frac{(2 \times 100 \times 0.79) + (2 \times 35)}{(2 \times 100) + (2 \times 35)} = 0.84$$

1 - 4 - 4 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. 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.

Example:

Connection ratio = 108%

Correction factor for mixed connection = 0.85

STEP 1: Interpolate between connection ratios for each correction factor

Calculate the outdoor unit capacity at 114% connection ratio at correction factor 0,9 and at correction factor 0,8.

- At correction factor 0.9:

connection ratio	100	108	110
cooling capacity	23.6	?	25.9

? = 23,6 kW + (108 – 100) x (25,9 kW – 23,6 kW) / (110-100) = 25,44 kW

- At correction factor 0.8

connection ratio	100	108	110
cooling capacity	20.9	?	23

? = 20,9 kW + (108 – 100) x (23 kW – 20,9 kW) / (110-100) = 22,58 kW

STEP 2: Interpolate between the different correction factors

Correction factor	0.8	0.84	0.9
cooling capacity	22.85	?	25.44

? = 22,58 kW + (0,84 – 0,8) x (25,44 kW – 22,58 kW) / (0,9-0,8) = 23,72 kW

Now the capacity of the outdoor unit still needs to be corrected for refrigerant piping length. When the actual outdoor capacity is known the actual capacity of each indoor unit can be calculated to check if the delivered capacity satisfies the cooling demand. If this is not the case a larger unit needs to be selected and the calculation restarts.

1 Air-cooled selection procedure for RXYRQ-P

1 - 5 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 below table 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.

1 Air-cooled selection procedure for RXYRQ-P

1 - 5 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).

2 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"

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2 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"

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2 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”

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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.

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