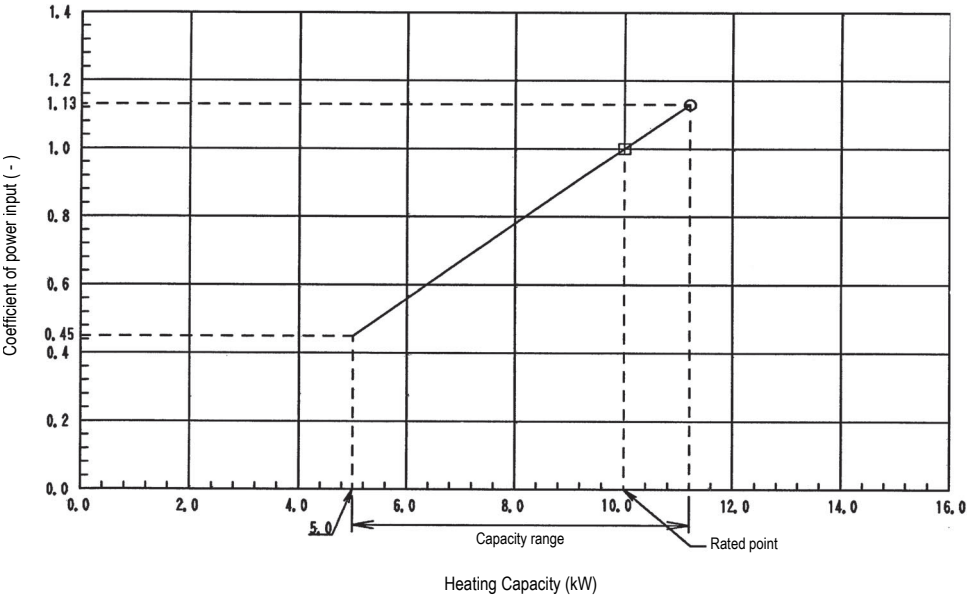


RZQ100B

Heating



Heating

Indoor EDB °C	Outdoor temperature (°C WB)											
	-15		-10		-5		0		6		10	
	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16.0	7.16	0.87	7.91	0.92	8.66	0.96	9.41	1.01	12.8	1.06	13.8	1.12
18.0	7.15	0.90	7.90	0.95	8.65	1.00	9.39	1.05	12.8	1.10	13.8	1.16
20.0	7.15	0.94	7.89	0.99	8.64	1.04	9.38	1.09	12.8	1.15	13.8	1.21
21.0	7.14	0.96	7.89	1.01	8.63	1.06	9.38	1.11	12.8	1.17	13.8	1.23
22.0	7.14	0.98	7.88	1.03	8.63	1.08	9.37	1.14	12.8	1.20	13.7	1.25
24.0	7.13	1.02	7.87	1.07	8.62	1.12	9.36	1.17	12.8	1.24	13.7	1.30

3TW28121-1A

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark with show the max. ones at standard conditions.
On the figure the mark with show rated capacity and rated coefficient of power input.
However the max. Capacity is not guaranteed except at standard condition.
- SHC is based on each EWB and EDB.
SHC for other dry bulb temperature = SHC + SHC*.
SHC* = SHC correction for other dry bulb.
= 0.02 x AFR (m³/min.) x (1-BF) x (DB*-EDB)
Add SHC to SHC*.
- Capacities are based on the following conditions.
Outdoor air: 85% RH.
However, the condition rated capacity is 7°C DB / 6°C WB. (heating)
Corresponding refrigerant piping length : 5.0m
Level difference : 0m
- Coefficient of power input is the percentage when the rated value is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating performance include the drop of frost formation.
- Air flow rate and (BF) are given in table below:

SYMBOLS

AFR : Air flow rate (m3/min.)
BF : Bypass factor
EWB : Entering wet bulb temp. (°C WB)
EDB : Entering dry bulb temp. (°C DB)
TC : Total heating capacity (kW)
SHC : Sensible heat capacity (kW)
PI : Power input (Comp.+indoor+outdoor fan motor).
CPI : Coefficient of power input (-)

Caution TC and SHC are shown by kW.

(Pair)

	FCQH100D	FCQ100C	FCQ100D	FCQ100B	FBQ100B	FBQ100C	FHQ100	FAQ100	FUQ100
AFR	34	23.5	30	28	27	32	24	23	29
(BF)	(0.17)	(0.16)	(0.11)	(0.16)	(0.20)	(0.14)	(0.14)	(0.10)	(0.07)

(Triple)

	FCQ35Cx3	FCQ35Bx3	FFQ35x3	FBQ35Bx3	FBQ35Cx3	FHQ35x3
AFR	10.5x3	14x3	10x3	11.5x3	16x3	13x3
(BF)	(0.28x3)	(0.16x3)	(0.25x3)	(0.15x3)	(0.15x3)	(0.2x3)

9 Rated power input of each model is tabulated below.

(Pair)

	FCQH100C	FCQ100C	FCQ100D	FCQ100B	FBQ100B	FBQ100C	FHQ100	FAQ100	FUQ100
Heating	2.53	3.14	2.56	3.14	3.00	2.79	3.60	3.39	3.28

(Triple)

	FCQ35Cx3	FCQ35Bx3	FFQ35x3	FBQ35x3	FBQ35Cx3	FHQ35x3
Heating	3.31	3.31	3.21	3.16	2.95	3.79

(Twin)

	FCQ50Cx2	FCQ50Bx2	FFQ50x2	FBQ50Bx2	FBQ50Cx2	FHQ50x2
AFR	12.5x2	15x2	12x2	14x2	16x2	13x2
(BF)	(0.21x2)	(0.16x2)	(0.16x2)	(0.15x2)	(0.16x2)	(0.1x2)

(Twin)

	FCQ50Cx2	FCQ50Bx2	FFQ50x2	FBQ50Cx2	FBQ50x2	FHQ50x2
Heating	3.31	3.31	3.21	3.16	2.95	3.79