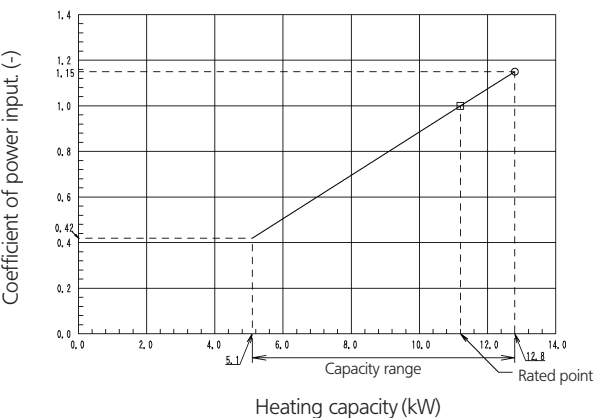


Heating



Heating capacity

Indoor EDB (°C)	Outdoor temp. (°CDB)											
	-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

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NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark show the max. at standard conditions.
On the figure the mark show rated capacity and rated coefficient of power input.
However the max. capacity is not guaranteed, except at standard condition.
- On the tables show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB
 $SHC^* = SHC \text{ correction for other dry bulb}$
 $SHC^* = 0.02 \times AFR (m^3/min.) \times (1-BF) \times (DB^*-EDB)$
 Add SHC^* to SHC.
- Capacities are based on following conditions:
 Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)
 Corresponding refrigerant piping length : 5.0 m
 Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

(Pair)

Model	FCQH100D	FCQ100C	FBQ100C	FHQ100	FAQ100	FUQ100
AFR	34	23.5	32	24	23	29
(BF)	(0.17)	(0.16)	(0.13)	(0.14)	(0.10)	(0.07)

(Twin)

Model	FCQ50Cx2	FFQ50x2	FBQ50x2	FHQ50x2
AFR	12.5x2	12x2	16x2	13x2
(BF)	(0.28x2)	(0.16x2)	(0.16x2)	(0.1x2)

(Triple)

Model	FCQ35Cx3	FFQ35x3	FBQ35x3	FHQ35x3
AFR	10.5x3	10x3	16x3	13x3
(BF)	(0.28x3)	(0.25x3)	(0.15x3)	(0.2x3)

- Rated power input of each model is tabulated below.

(Pair)

Model	FCQH100D	FCQ100C	FBQ100C	FHQ100	FAQ100	FUQ100
Heating	2.47	2.96	2.69	3.42	3.21	3.31

(Twin)

Model	FCQ50Cx2	FFQ50x2	FBQ50x2	FHQ50x2
Heating	3.12	3.14	2.85	3.60

(Triple)

Model	FCQ35Cx3	FFQ35x3	FBQ35x3	FHQ35x3
Heating	3.12	3.14	2.85	3.60

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

Caution:

TC and SHC are shown by kW