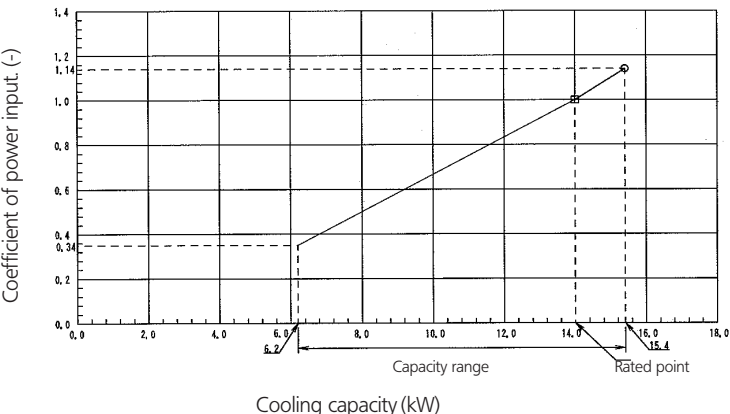


Cooling



Cooling capacity

Indoor		Outdoor temp. (°CDB)											
EWB (°C)	EDB (°C)	25			30			35			40		
		TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	14.1	9.53	0.87	14.0	9.61	1.01	14.4	10.0	1.13	13.9	9.72	1.24
18.0	25	16.1	10.5	0.95	15.6	10.2	1.04	15.1	10.0	1.14	14.5	9.70	1.25
19.0	27	16.5	10.4	0.96	16.0	10.2	1.04	15.4	9.98	1.14	14.7	9.68	1.25
19.5	27	16.6	10.4	0.96	16.2	10.2	1.04	15.5	9.96	1.14	15.0	9.67	1.25
22.0	30	17.5	10.3	0.97	16.9	10.1	1.05	16.4	9.85	1.15	15.7	9.56	1.27
24.0	32	18.2	10.1	0.97	17.6	9.93	1.06	17.1	9.71	1.16	16.4	9.45	1.28

3TW31742-2

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.
- SHC is based on each EWB and EDB
SHC* = SHC correction for other dry bulb
SHC* = 0.02 x AFR (m³/min.) x (1-BF) x (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.
- Air flow rate and BF are tabulated below.

SYMBOLS

- AFR: Air flow rate (m³/min)
 BF: Bypass factor
 EWB: Entering wet bulb temp. (°CWB)
 EDB: Entering dry bulb temp. (°CDB)
 TC: Total cooling 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

(Pair)

Model	FCQH140D	FCQ140C
AFR	34	27.5
(BF)	(0.20)	(0.22)

(Twin)

Model	FCQH71Dx2	FCQ71Cx2	FBQ71Cx2	FHQ71x2	FAQ71x2
AFR	21x2	15.5x2	18x2	17x2	19x2
(BF)	(0.17x2)	(0.19x2)	(0.08x2)	(0.1x2)	(0.08x2)

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50Cx3	FHQ50x3
AFR	12.5x3	12x3	16x3	13x3
(BF)	(0.21x3)	(0.16x3)	(0.15x3)	(0.1x3)

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35Cx4	FHQ35x4
AFR	10.5x4	10x4	16x4	13x4
(BF)	(0.28x4)	(0.25x4)	(0.15x4)	(0.2x4)

8. Rated power input of each model is tabulated below.

(Pair)

Model	FCQH140D	FCQ140C
Cooling	4.65	5.36

(Twin)

Model	FCQH71Dx2	FCQ71Cx2	FBQ71Cx2	FHQ71x2	FAQ71x2
Cooling	4.99	5.12	4.95	5.10	5.01

(Triple)

Model	FCQ50Cx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	5.12	4.89	4.95	5.10

(Double Twin)

Model	FCQ35Cx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	5.12	4.89	4.95	5.10