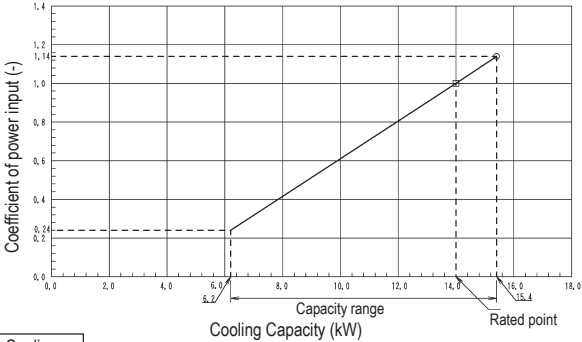


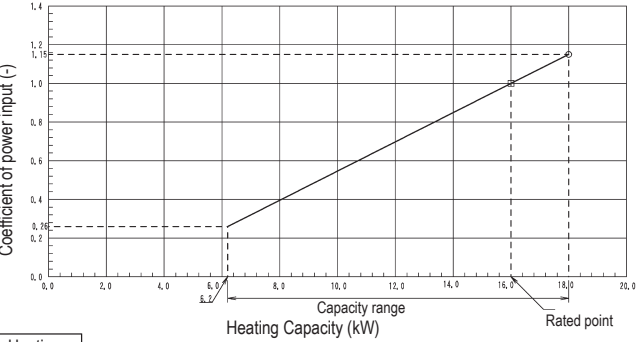
Cooling



Cooling

Indoor		Outdoor temperature (°C DB)											
		25			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
EWB (°C)	EDB (°C)	(kW)	(kW)	(-)	(kW)	(kW)	(-)	(kW)	(kW)	(-)	(kW)	(kW)	(-)
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

Heating



Heating

Indoor		Outdoor temperature (°C WB)											
		-15			-10			-5			0		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
EWB (°C)	EDB (°C)	(kW)	(kW)	(-)	(kW)	(kW)	(-)	(kW)	(kW)	(-)	(kW)	(kW)	(-)
16.0	9.82	0.87	10.8	0.92	11.9	0.96	12.9	1.01	18.0	1.06	19.5	1.12	
18.0	9.80	0.91	10.8	0.95	11.8	1.00	12.9	1.05	18.0	1.10	19.4	1.16	
20.0	9.79	0.94	10.8	0.99	11.8	1.04	12.9	1.09	18.0	1.15	19.4	1.21	
21.0	9.79	0.96	10.8	1.01	11.8	1.06	12.8	1.11	18.0	1.17	19.4	1.23	
22.0	9.78	0.98	10.8	1.03	11.8	1.08	12.8	1.13	18.0	1.20	19.4	1.25	
24.0	9.77	1.01	10.8	1.07	11.8	1.12	12.8	1.18	18.0	1.24	19.4	1.30	

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 cooling (heating) capacity (kW)
- SHC: Sensible heat capacity (kW)
- PI: Power input (kW)
- (Comp. + indoor + outdoor fan motor).
- CPI: Coefficient of power input. (-)

Caution:

TC and SHC are shown by kW.

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark with ○ shows the max. Onces at standard conditions.
On the figure the mark with □ shows 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.
=0.02xAFR (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 tabulated below.

		FCQG140E	FCQG140C
AFR	(BF)	33 (0.23)	34 (0.17)

- Rated power input of each model is tabulated below.

		FCQG140E	FCQG140C
Cooling		4.36	4.65
Heating		3.99	4.42