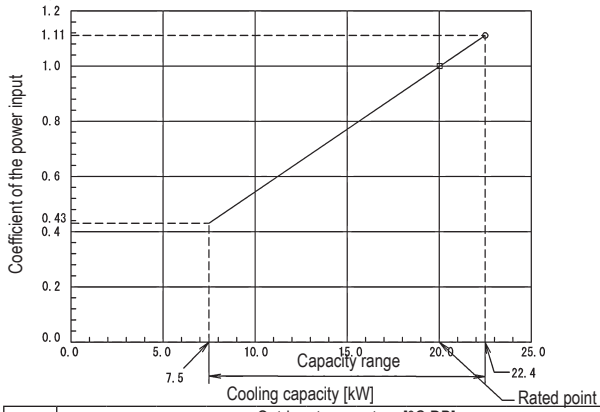
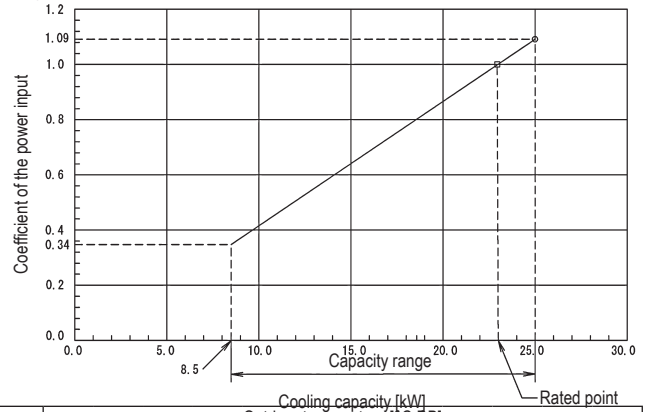
RZQ200C

Cooling



Indoor	Outdoor temperature [°C DB]											
	25			30			35			40		
	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
°CWB	kW	kW	—	kW	kW	—	kW	kW	—	kW	kW	—
16	22.20	17.00	0.82	19.40	16.30	0.90	18.60	15.50	0.98	17.70	14.80	1.06
18	21.30	17.10	0.83	20.40	16.40	0.91	19.50	15.70	0.99	18.60	14.90	1.07
19	21.80	17.10	0.84	20.90	16.40	0.92	20.00	15.60	1.00	19.10	14.90	1.08
20	22.30	17.10	0.84	21.40	16.40	0.92	20.50	15.60	1.01	19.60	14.90	1.09
22	23.40	17.00	0.85	22.40	16.30	0.94	21.40	15.60	1.02	20.50	14.90	1.10
24	24.40	16.80	0.86	23.40	16.10	0.95	22.40	15.40	1.03	21.40	14.70	1.12

Heating



Indoor	Outdoor temperature [°C DB]											
	-15		-10		-5		0		6		10	
	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
°CWB	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—
16	10.80	0.83	12.20	0.87	13.90	0.91	15.50	0.96	23.30	0.97	25.40	1.01
18	10.80	0.84	12.20	0.88	13.80	0.93	15.40	0.97	23.20	0.98	25.30	1.03
20	10.70	0.85	12.10	0.90	13.70	0.94	15.30	0.99	23.00	1.00	25.10	1.04
22	10.60	0.87	12.00	0.91	13.60	0.96	15.20	1.01	22.80	1.02	24.90	1.06
24	10.50	0.88	11.90	0.93	13.50	0.98	15.10	1.02	22.70	1.03	24.70	1.08

NOTES

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ⬭ = Maximum at standard conditions
   ▭ = Rated capacity and rated coëfficient of the power input
   The maximum capacity is not guaranteed except at standard conditions.
3. SHC is based on indoor EWB and EDB.
   SHC for other dry bulb temperature = SHC + SHC*.
   SHC* = SHC correction for other dry bulb. = 0.02 x AFR (m^3/min) x (1-BF) x (DB*-EDB).
4. The capacities are based on the following conditions:
   Outdoor air: 85% RH
   However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
   Corresponding refrigerant piping length: 5.0 m
   Level difference: 0 m
5. CPI is a perecentage value compared to the rated value which is 1.00.
6. The error rate for this value is less than 5% and depends on the indoor unit type.
7. The heating performance takes into account the drop that occurs during defrost operation.
8. The air flow rate and bypass factor are mentioned in the table.

Twin	FCAHG100H x 2	FCAHG100B x 2	FHQ100CA x 2	FUQ100C x 2	FAQ100C x 2
AFR (BF)	32.3 x 2 (0.17 x 2)	32.3 x 2 (0.17 x 2)	28 x 2 (0.09 x 2)	31 x 2 (0.2 x 2)	26 x 2 (0.09 x 2)

Triple	FCAHG71H x 3	FCAG60B x 3	FCAG71B x 3	FHQ60CA x 3	FHQ71CA x 3	FUQ71C x 3	FAQ71C x 3
AFR (BF)	21.2 x 3 (0.2 x 3)	13.6 x 3 (0.2 x 3)	21.5 x 3 (0.14 x 3)	19.5 x 3 (0.2 x 3)	20.5 x 3 (0.13 x 3)	23 x 3 (0.24 x 3)	18 x 3 (0.16 x 3)

Double twin	FCAG50B x 4	FHQ50CA x 4
AFR (BF)	12.6 x 4 (0.22 x 4)	15 x 4 (0.17 x 4)

9. The rated power input for each model is mentioned in the table below.

Twin	FCAHG100H x 2	FCAHG100B x 2	FHQ100CA x 2	FUQ100C x 2	FAQ100C x 2
Cooling	5.60	6.13	6.00	6.07	5.99
Heating	5.51	6.51	6.36	6.96	6.85

Triple	FCAHG71H x 3	FCAG100B x 3	FCAG71B x 3	FHQ60CA x 3	FHQ71CA x 3	FUQ71C x 3	FAQ71C x 3
Cooling	5.90	7.12	7.12	6.32	6.32	5.93	6.31
Heating	5.81	7.30	7.30	7.02	7.02	6.48	7.28

Double twin	FCAG50B x 4	FHQ50CA x 4
Cooling	7.12	6.32
Heating	7.30	7.02

SYMBOLS

AFR : Air flow rate [m3/min]
BF : Bypass factor
EWB : Entering wet-bulb temperature (°C WB)
EDB : Entering dry-bulb temperature (°C DB)
TC : Maximum total cooling/heating capacity [kW]
SHC : Sensible heat capacity [MBh]
CPI : Coëfficent of the power input
PI : Power Input [kW]
compressor + indoor and outdoor fan motors

CAUTION

TC and SHC are shown by kW