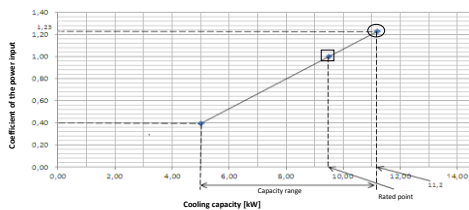
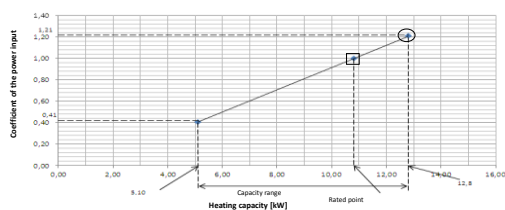


RZQG100L9V1 RZQG100L8Y1

Cooling



Heating



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 [kW]
CPI: Coefficient of the power input
PI: Power input [kW]
compressor + indoor and outdoor fan motors

Cooling

Indoor		Outdoor temperature (°C DB)											
		25			30			35			40		
°CWB	°CDB	kW	SHC	CPI	kW	SHC	CPI	kW	SHC	CPI	kW	SHC	CPI
16.0	22	11.20	7.61	1.01	10.85	7.44	1.11	10.50	7.29	1.22	10.11	7.09	1.32
18.0	25	11.80	7.59	1.01	11.37	7.49	1.12	11.00	7.27	1.23	10.55	7.09	1.33
19.0	27	12.00	7.57	1.02	11.62	7.44	1.12	11.20	7.26	1.23	10.80	7.04	1.33
19.5	27	12.15	7.59	1.02	11.74	7.37	1.13	11.43	7.34	1.23	10.91	7.04	1.34
22.0	30	12.80	7.52	1.02	12.37	7.36	1.13	11.90	7.16	1.24	11.52	7.03	1.35
24.0	32	13.30	7.42	1.03	12.88	7.27	1.14	12.40	7.06	1.25	11.97	6.91	1.36

Heating

Indoor		Outdoor temperature (°C WB)											
		-15.0			-10.0			-5.0			0.0		
°CDB	°CWB	kW	TC	CPI	kW	TC	CPI	kW	TC	CPI	kW	TC	CPI
16	8.58	0.92	0.45	0.98	10.1	1.02	1.04	1.06	10.3	1.09	12.8	1.11	1.38
18	8.57	0.97	0.44	1.02	10.0	1.06	1.03	1.09	10.8	1.16	13.8	1.23	1.39
20	8.56	1.00	0.43	1.06	10.0	1.11	1.03	1.13	12.8	1.21	13.8	1.27	1.40
21	8.56	1.02	0.42	1.08	10.0	1.12	1.03	1.15	12.8	1.23	13.8	1.30	1.41
22	8.55	1.04	0.42	1.10	10.0	1.14	1.03	1.18	12.8	1.26	13.8	1.32	1.42
24	8.54	1.08	0.41	1.14	10.0	1.19	1.03	1.22	12.8	1.31	13.8	1.37	1.43

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
-  = Maximum at standard conditions
 = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
- SHC is based on indoor units EWB & EDB.
SHC for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 x AFR (m³/min) x (1-BF) x (DB* - EDB)
- 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: 0m
- CPI is a percentage value compared to the rated value which is 1.00.
- The error rate for this value is less than 5% and depends on the indoor unit type.
- The heating performance takes into account the drop that occurs during defrost operation.
- The air flow rate and bypass factor are mentioned in the table.

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

Pair	FCQHG100F	FCQGL100F	FRQGL100C	FRQGL100C	FRQGL100C	FRQGL100C	FRQGL100C	FRQGL100C	FRQGL100C
AFR (BF)	32.3 (0.17)	32.0 (0.17)	32.0 (0.13)	20.0 (0.09)	26.0 (0.10)	28.0 (0.20)	28.0 (0.09)	31.0 (0.20)	29.0 (0.03)

Twin	FCQGL100F x 2	FRQGL100C x 2	FRQGL100C x 2	FRQGL100C x 2	FRQGL100C x 2	FRQGL100C x 2	FRQGL100C x 2
AFR (BF)	12.6 x 2 (0.22 x 2)	16 x 2 (0.16 x 2)	15 x 2 (0.18 x 2)	12 x 2 (0.16 x 2)	16 x 2 (0.11 x 2)	15 x 3 (0.13 x 2)	16 x 2 (0.11 x 2)

Triple	FCQGL100F x 3	FRQGL100C x 3	FRQGL100C x 3	FRQGL100C x 3	FRQGL100C x 3	FRQGL100C x 3	FRQGL100C x 3
AFR (BF)	12.5 x 3 (0.4 x 3)	16 x 3 (0.15 x 3)	14 x 3 (0.17 x 3)	10 x 3 (0.25 x 3)	8.7 x 3 (0.17 x 3)	15 x 3 (0.08 x 3)	8.7 x 3 (0.17 x 3)

Pair	FCQHG100F	FCQGL100F	FRQGL100C	FRQGL100C	FRQGL100C	FRQGL100C	FRQGL100C	FRQGL100C	FRQGL100C
Cooling	2.15	2.45	2.44	2.49	2.63	2.49	2.30	2.33	2.49
Heating	2.16	2.60	2.57	2.60	3.00	2.61	2.60	2.62	2.45

Twin	FCQGL100F x 2	FRQGL100C x 2	FRQGL100C x 2	FRQGL100C x 2	FRQGL100C x 2	FRQGL100C x 2	FRQGL100C x 2
Cooling	2.32	2.51	2.93	2.65	2.51	2.87	2.51
Heating	2.46	2.86	3.28	2.89	2.96	2.73	2.96

Triple	FCQGL100F x 3	FRQGL100C x 3	FRQGL100C x 3	FRQGL100C x 3	FRQGL100C x 3	FRQGL100C x 3	FRQGL100C x 3
Cooling	2.38	2.51	2.91	2.45	2.81	2.68	2.81
Heating	2.51	2.86	3.20	2.59	3.68	2.70	3.68

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