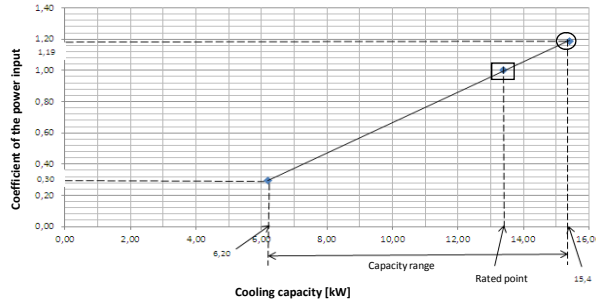
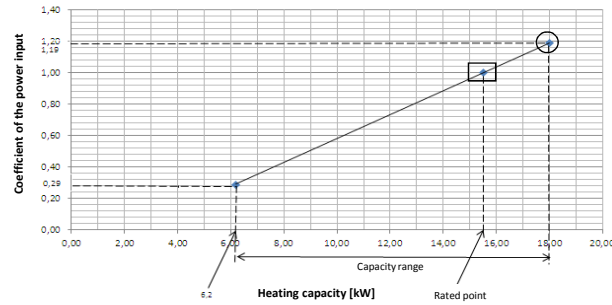


RZQSG140L9V1
RZQSG140LY1

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			
	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	
°CWB	°CDB	kW	kW	—	kW	kW	—	kW	kW	—	kW	kW	—
16.0	22	15.5	10.47	0.98	14.9	10.25	1.08	14.4	10.03	1.18	13.9	9.69	1.28
18.0	25	16.2	10.55	0.98	15.6	10.21	1.09	15.1	10.01	1.19	14.5	9.71	1.30
19.0	27	16.6	10.43	0.99	16.0	10.18	1.09	15.4	9.98	1.19	14.8	9.76	1.30
19.5	27	16.7	10.49	0.99	16.1	10.16	1.10	15.6	10.00	1.19	15.0	9.66	1.30
22.0	30	17.6	10.37	0.99	17.0	10.16	1.10	16.4	9.83	1.21	15.8	9.60	1.31
24.0	32	18.4	10.20	1.00	17.7	10.00	1.11	17.0	9.67	1.22	16.4	9.47	1.32

Heating

Indoor	Outdoor temperature [°C WB]																
	-15.0				-10.0				-5.0				6.0		10.0		
	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	
°CDB	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—	
16	11.6	0.91	12.7	0.97	13.6	1.00	13.9	1.03	18.0	1.09	19.4	1.16	18	11.6	0.91	12.7	0.97
18	11.6	0.95	12.7	1.00	13.6	1.04	13.9	1.07	18.0	1.14	19.4	1.21	20	11.6	0.99	12.7	1.05
20	11.6	0.99	12.7	1.06	13.5	1.09	13.9	1.11	18.0	1.19	19.4	1.25	21	11.5	1.00	12.7	1.06
21	11.5	1.00	12.7	1.06	13.5	1.11	13.9	1.13	18.0	1.21	19.4	1.28	22	11.5	1.02	12.7	1.08
22	11.5	1.02	12.7	1.08	13.5	1.12	13.9	1.16	18.0	1.24	19.4	1.30	24	11.5	1.07	12.6	1.12
24	11.5	1.07	12.6	1.12	13.5	1.17	13.9	1.20	18.0	1.29	19.4	1.35					

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

	FCQH140F	FCQG140F	FBQ140C	FHQG140C	FVQ140C	FHQ140CB	FBQ140D
AFR	33.5	33.0	39.0/41.0	34.0	30.0	34.0	34.0
(BF)	(0.15)	(0.23)	(0.14)	(0.17)	(0.18)	(0.17)	(0.06)

Twin

	FCQH71F X 2	FCQG71F X 2	FBQ71C X 2	FHQG71C X 2	FAQ71C X 2	FHQ71CB X 2	FBQ71D X 2	FUQ71C X 2
AFR	21.2 x 2	21.5 x 2	18.0 x 2	20.5 x 2	18.0 x 2	20.5 x 2	18 x 2	23.0 x 2
(BF)	(0.2 x 2)	(0.14 x 2)	(0.08 x 2)	(0.13 x 2)	(0.16 x 2)	(0.13 x 2)	(0.13 x 2)	(0.24 x 2)

Triple

	FCQG50F X 3	FBQ50C X 3	FHQ50CB X 3	FFQ50C X 3	FDX50F9 X 3	FBQ50D X 3	FNQ50A X 3
AFR	12.6 x 3	16 x 3	15 x 3	12 x 3	16 x 3	15 x 3	16 x 3
(BF)	(0.22 x 3)	(0.16 x 3)	(0.18 x 3)	(0.16 x 3)	(0.11 x 3)	(0.13 x 3)	(0.11 x 3)

Double twin

	FCQG35F X 4	FBQ35C X 4	FHQ35CB X 4	FFQ35C X 4	FDX35F X 4	FBQ35D X 4	FNQ35A X 4
AFR	12.5 x 4	16 x 4	14 x 4	10 x 4	8.7 x 4	15 x 4	8.7 x 4
(BF)	(0.4 x 4)	(0.15 x 4)	(0.20 x 4)	(0.25 x 4)	(0.17 x 4)	(0.08 x 4)	(0.17 x 4)

Pair

	FCQH140F	FCQG140F	FBQ140C	FHQG140C	FVQ140C	FHQ140CB	FBQ140D
Cooling	4.17	4.45	4.44	4.45	4.45	4.45	4.38
Heating	4.29	4.54	4.54	4.54	4.54	4.54	4.56

Twin

	FCQH71F X 2	FCQG71F X 2	FBQ71C X 2	FHQG71C X 2	FAQ71C X 2	FHQ71CB X 2	FBQ71D X 2	FUQ71C X 2
Cooling	4.11	4.39	4.17	4.01	4.23	4.01	4.17	4.39
Heating	4.23	4.48	4.94	4.71	4.92	4.71	4.94	4.94

Triple

	FCQG50F X 3	FBQ50C X 3	FHQ50CB X 3	FFQ50C X 3	FDX50F9 X 3	FBQ50D X 3	FNQ50A X 3
Cooling	4.40	4.17	4.67	4.43	4.68	4.17	4.68
Heating	4.48	4.94	5.67	4.39	4.61	4.94	4.61

Double twin

	FCQG35F X 4	FBQ35C X 4	FHQ35CB X 4	FFQ35C X 4	FDX35F X 4	FBQ35D X 4	FNQ35A X 4
Cooling	4.56	4.17	4.65	4.11	5.80	4.17	5.80
Heating	4.54	4.94	5.57	4.05	6.09	4.94	6.09