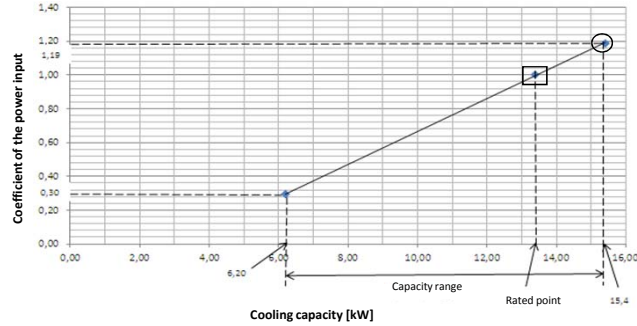


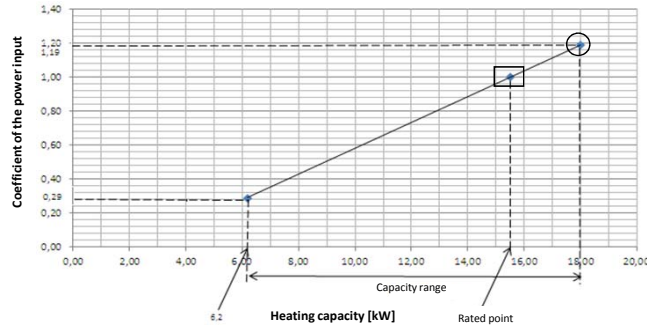
# RZQG140L9V1

# RZQG140LY1

## Cooling



## Heating



### Symbols

- AFR: Air flow rate [m<sup>3</sup>/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

		25			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
°CWB	°CDB	kW			kW			kW			kW		
16,0	22	15,50	10,47	0,98	14,93	10,25	1,08	14,44	10,03	1,18	13,86	9,69	1,28
18,0	25	16,17	10,55	0,98	15,62	10,21	1,09	15,11	10,01	1,19	14,52	9,71	1,30
19,0	27	16,56	10,43	0,99	15,96	10,18	1,09	<b>15,40</b>	<b>9,98</b>	<b>1,19</b>	14,83	9,76	1,30
19,5	27	16,74	10,49	0,99	16,14	10,16	1,10	15,57	10,00	1,19	14,98	9,66	1,30
22,0	30	17,61	10,37	0,99	17,01	10,16	1,10	16,36	9,83	1,21	15,76	9,60	1,31
24,0	32	18,38	10,20	1,00	17,72	10,00	1,11	17,04	9,67	1,22	16,43	9,47	1,32

## Heating

		Outdoor temperature [°C WB]											
		-15.0		-10.0		-5.0		0.0		6.0		10.0	
Indoor °CDB		TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
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	1.16
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	1.21
20	11.6	0.99	12.7	1.05	13.5	1.09	13.9	1.11	<b>18.0</b>	<b>1.19</b>	19.4	1.25	1.25
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	1.28
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	1.30
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	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 (m<sup>3</sup>/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.

### Pair

	FCQG140F	FCQG140F	FBQ140C	FHQG140C	FVQ140C	FHQ140CA	FBQ140D
AFR	33.5	33.0	39:C/41:H	34.0	30.0	34.0	34.0
(BF)	(0.15)	(0.23)	(0.14)	(0.17)	(0.18)	(0.17)	(0.06)

### Twin

	FCQG71F X 2	FCQG71F X 2	FBQ71C X 2	FHQG71C X 2	FAQ71C X 2	FHQ71CA X 2	FUQ71C X 2	FBQ71D 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	23.0 x 2	18.0 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)	(0.24 x 2)	(0.13 x 2)

### Triple

	FCQG50F X 3	FBQ50C X 3	FHQ50CA X 3	FFQ50C X 3	FDXS50F X 3	FBQ50D X 3	FNQ50A X 3
AFR	12.6 x 3	16 x 3	15 x 3	12 x 3	12:C/16:H	15 x 3	12:C/16:H
(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	FHQ35CA X 4	FFQ35C X 4	FDXS35F 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)

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

### Pair

	FCQG140F	FCQG140F	FBQ140C	FHQG140C	FVQ140C	FHQ140CA	FBQ140D
Cooling	4,00	4,17	4,02	4,05	4,17	4,05	4,00
Heating	3,77	4,30	4,30	4,27	4,30	4,27	4,31

### Twin

	FCQG71F X 2	FCQG71F X 2	FBQ71C X 2	FHQG71C X 2	FAQ71C X 2	FHQ71CA X 2	FUQ71C X 2	FBQ71D X 2
Cooling	3,94	4,11	3,75	3,59	3,81	3,59	3,35	3,75
Heating	3,71	4,24	4,70	4,47	4,68	4,47	4,36	4,70

### Triple

	FCQG50F X 3	FBQ50C X 3	FHQ50CA X 3	FFQ50C X 3	FDXS50F X 3	FBQ50D X 3	FNQ50A X 3
Cooling	4,12	3,75	4,25	4,15	4,26	3,75	4,26
Heating	4,24	4,70	5,43	4,15	4,37	4,70	4,37

### Double twin

	FCQG35F X 4	FBQ35C X 4	FHQ35CA X 4	FFQ35C X 4	FDXS35F X 4	FBQ35D X 4	FNQ35A X 4
Cooling	4,18	3,75	4,23	3,83	5,38	3,75	5,38
Heating	4,30	4,70	5,33	3,81	5,85	4,70	5,85