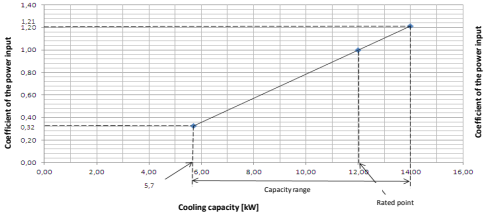
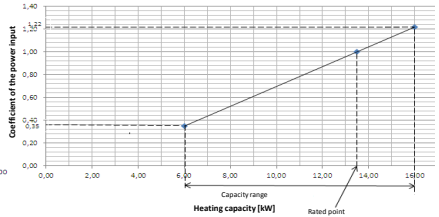
RZQSG125L9V1

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	14,1	9,54	0,99	13,6	9,30	1,09	13,1	9,12	1,19	12,6	8,78	1,29
18,0	25	14,7	9,50	0,89	14,2	9,32	1,09	13,7	9,09	1,20	13,2	8,83	1,31
19,0	27	15,0	9,52	1,00	14,5	9,34	1,10	**14,0**	**9,06**	**1,20**	13,5	8,87	1,31
19,5	27	15,2	9,52	1,00	14,7	9,26	1,11	14,2	9,08	1,20	13,6	8,81	1,31
22,0	30	16,0	9,39	1,00	15,5	9,14	1,11	14,9	8,95	1,21	14,4	8,74	1,32
24,0	32	16,7	9,31	1,01	16,1	9,09	1,12	15,5	8,83	1,23	15,0	8,63	1,33

Heating

Indoor	Outdoor temperature [°C WB]											
	−15.0		−10.0		−5.0		0.0		6.0		10.0	
	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
°CDB	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—
16	10.7	0.93	11.8	0.99	12.6	1.02	13.0	1.05	16.0	1.12	17.3	1.18
18	10.7	0.97	11.8	1.02	12.5	1.07	12.9	1.10	16.0	1.17	17.3	1.23
20	10.7	1.01	11.8	1.07	12.5	1.11	12.9	1.14	**16.0**	**1.22**	17.3	1.28
21	10.7	1.03	11.8	1.09	12.5	1.13	12.9	1.16	16.0	1.24	17.3	1.31
22	10.7	1.04	11.8	1.10	12.5	1.14	12.9	1.18	16.0	1.27	17.3	1.33
24	10.7	1.09	11.8	1.15	12.5	1.19	12.9	1.23	16.0	1.31	17.3	1.38

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 coefficient of the power input
   The maximum capacity is not guaranteed except at standard conditions.
3. 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)
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: 0m
5. CPI is a percentage 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.
9. The rated power input for each model is mentioned in the table below.

Pair

	FCQHG125F	FCQG125F	FBQ125C	FHQG125C	FAQ125C	FVQ125C	FHQ125CA
AFR	33.5	33.0	39.0	31.0	39.0	28.0	31.0
(BF)	(0.19)	(0.21)	(0.16)	(0.134)	(0.16)	(0.16)	(0.14)

Twin

	FCQG60F X 2	FBQ60C X 2	FHQ60CA X 2	FFQ60C X 2	FDXS60F X 2
AFR	13.6 x 2	18 x 2	19.5 x 2	14.5 x 2	16 x 2
(BF)	(0.2 x 2)	(0.15 x 2)	(0.20 x 2)	(0.11 x 2)	(0.12 x 2)

Triple

	FCQG50F X 3	FBQ50C X 3	FHQ50CA X 3	FFQ50C X 3	FDXS50F X 3
AFR	12.6 x 3	16 x3	15 x 3	12 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)

Double twin

	FCQG35F X 4	FBQ35C X 4	FHQ35CA X 4	FFQ35C X 4	FDXS35F X 4
AFR	12.5 x 4	16 x4	14 x 4	10 x 4	8.7 x 4
(BF)	(0.4 x 4)	(0.15 x 4)	(0.17 x 4)	(0.25 x 4)	(0.17 x 4)

Pair

	FCQHG125F	FCQG125F	FBQ125C	FHQG125C	FAQ125C	FVQ125C	FHQ125CA
Cooling	3,71	3,74	3,74	4,15	3,74	4,27	4,15
Heating	3,60	3,96	3,85	3,73	3,85	3,96	3,73

Twin

	FCQG60F X 2	FBQ60C X 2	FHQ60CA X 2	FFQ60C X 2	FDXS60F X 2
Cooling	3,66	3,95	4,34	4,75	4,88
Heating	3,88	4,06	4,43	4,33	4,38

Triple

	FCQG50F X 3	FBQ50C X 3	FHQ50CA X 3	FFQ50C X 3	FDXS50F X 3
Cooling	3,69	3,95	4,33	4,14	4,07
Heating	3,90	4,06	4,42	3,87	3,92

Double twin

	FCQG35F X 4	FBQ35C X 4	FHQ35CA X 4	FFQ35C X 4	FDXS35F X 4
Cooling	3,75	3,95	4,31	3,99	4,67
Heating	3,96	4,06	4,32	3,59	4,66