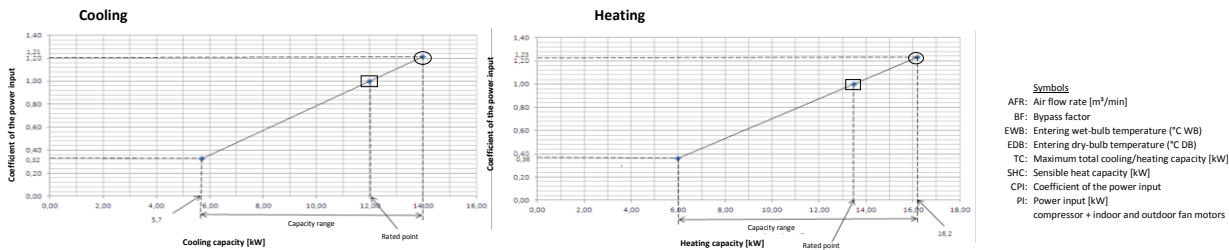


RZQG125L9V1
RZQG125L8Y1



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

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	14,10	9,54	1,00	13,60	9,30	1,10	13,10	9,12	1,20	12,60	8,78	1,31
18,0	25	14,70	9,50	1,00	14,20	9,32	1,10	13,70	9,09	1,21	13,20	8,83	1,32
19,0	27	15,00	9,52	1,01	14,50	9,34	1,11	14,00	9,06	1,21	13,50	8,87	1,32
19,5	27	15,21	9,52	1,01	14,68	9,26	1,12	14,15	9,08	1,21	13,64	8,81	1,32
22,0	30	16,00	9,39	1,01	15,47	9,14	1,12	14,90	8,95	1,23	14,38	8,74	1,33
24,0	32	16,70	9,31	1,02	16,10	9,09	1,13	15,50	8,83	1,24	14,97	8,63	1,34

- 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.

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	TC	CPI	TC	CPI		
°CDB	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—		
16	11,0	0,94	1,21	1,00	1,29	1,03	1,32	1,06	1,62	1,13	1,75	1,20	1,75	1,25	1,75	1,25		
18	11,0	0,98	1,21	1,03	1,29	1,08	1,32	1,11	1,62	1,18	1,75	1,26	1,75	1,28	1,75	1,28		
20	11,0	1,02	1,20	1,08	1,29	1,13	1,32	1,15	1,62	1,23	1,75	1,30	1,75	1,32	1,75	1,32		
21	11,0	1,04	1,20	1,10	1,28	1,14	1,32	1,17	1,62	1,25	1,75	1,32	1,75	1,34	1,75	1,34		
22	11,0	1,06	1,20	1,12	1,28	1,16	1,32	1,20	1,62	1,28	1,74	1,34	1,74	1,36	1,74	1,36		
24	11,0	1,10	1,20	1,16	1,28	1,21	1,32	1,24	1,62	1,33	1,74	1,39	1,74	1,41	1,74	1,41		

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

Pair		FCQG125F	FCQG125F	FRQ125C	FRQ125C	FRQ125C	FRQ125C	FRQ125C	FRQ125C	FRQ125C
AFR	33,5	33,0	31,0	39,0	28,0	31,0	32,5	34,0		
(BF)	(0.19)	(0.21)	(0.16)	(0.134)	(0.16)	(0.16)	(0.14)	(0.19)	(0.06)	

Twin		FCQ60F x 2	FRQ60C x 2	FRQ60C x 2	FRQ60C x 2	FRQ60C x 2	FRQ60C x 2	FRQ60C x 2
AFR	13,6 x 2	18 x 2	19,5 x 2	14,5 x 2	16 x 2	18 x 2	16 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)	(0.18 x 2)	(0.12 x 2)	(0.12 x 2)

Triple		FCQ60F x 3	FRQ60C x 3	FRQ60C x 3	FRQ60C x 3	FRQ60F x 3	FRQ60F x 3	FRQ60A 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	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)	(0.11 x 3)

Double twin		FCQ60F x 4	FRQ60C x 4	FRQ60C x 4	FRQ60C x 4	FRQ60F x 4	FRQ60F x 4	FRQ60A 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	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)	(0.08 x 4)	(0.17 x 4)	(0.17 x 4)

Pair		FCQG125F	FCQG125F	FRQ125C	FRQ125C	FRQ125C	FRQ125C	FRQ125C	FRQ125C	FRQ125C
Cooling	3,05	3,23	3,15	3,58	3,20	3,74	3,41	3,44	3,63	
Heating	3,07	3,72	3,53	3,48	3,53	3,65	3,48	3,86	3,46	

Twin		FCQ60F x 2	FRQ60C x 2	FRQ60C x 2	FRQ60C x 2	FRQ60F x 2	FRQ60A x 2	FRQ60A x 2
Cooling	3,14	3,28	3,67	3,61	3,75	4,10	3,75	3,75
Heating	3,64	3,74	4,11	4,10	4,20	3,85	4,20	4,20

Triple		FCQ60F x 3	FRQ60C x 3	FRQ60C x 3	FRQ60C x 3	FRQ60F x 3	FRQ60A x 3	FRQ60A x 3
Cooling	3,17	3,28	3,66	3,23	3,45	3,97	3,45	3,45
Heating	3,66	3,74	4,10	3,55	3,61	3,81	3,61	3,61

Double twin		FCQ60F x 4	FRQ60C x 4	FRQ60C x 4	FRQ60C x 4	FRQ60F x 4	FRQ60A x 4	FRQ60A x 4
Cooling	3,23	3,28	3,64	3,01	3,94	3,74	3,94	3,94
Heating	3,72	3,74	4,00	3,30	4,45	3,78	4,45	4,45