

Cooling capacity table
FCQ71-125C7VEB+ REQ71-100B8V3B
REQ71-125B8W1B

Outdoor	Indoor				Outdoor temperature (°CDB)																	
	EWB	EDB	20			25			32			35			40			46				
	(°C)	(°C)	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI		
71	12.0	18.0	6.2	5.0	1.90	6.1	4.9	2.07	5.7	4.8	2.32	5.5	4.7	2.48	5.3	4.6	2.73	4.8	4.2	2.98		
	14.0	20.0	6.6	5.0	1.94	6.5	4.9	2.11	6.0	4.8	2.36	5.9	4.7	2.53	5.5	4.6	2.78	5.2	4.2	3.03		
	16.0	22.0	7.2	5.1	1.97	7.0	5.0	2.14	6.5	4.9	2.40	6.3	4.8	2.57	6.0	4.7	2.83	5.4	4.3	3.09		
	18.0	25.0	7.7	5.3	2.02	7.5	5.1	2.19	7.2	5.0	2.46	6.8	4.9	2.63	6.4	4.7	2.90	5.9	4.5	3.16		
	19.0	27.0	8.0	5.4	2.04	7.7	5.3	2.22	7.3	5.1	2.48	7.1	4.9	2.66	6.6	4.8	2.93	6.1	4.6	3.19		
	19.5	27.0	8.0	5.4	2.05	7.9	5.3	2.22	7.4	5.1	2.49	7.2	4.9	2.67	6.7	4.8	2.94	6.2	4.6	3.20		
	22.0	30.0	8.7	5.5	2.09	8.5	5.4	2.27	8.0	5.3	2.54	7.9	5.0	2.72	7.4	4.9	2.99	6.7	4.6	3.27		
	24.0	32.0	9.4	5.5	2.11	9.1	5.4	2.29	8.6	5.3	2.57	8.4	5.1	2.75	8.0	4.9	3.02	7.3	4.6	3.30		
100	12.0	18.0	8.4	7.5	2.51	8.3	7.4	2.78	8.1	7.2	3.14	7.8	7.1	3.32	7.5	6.7	3.68	6.8	6.4	4.13		
	14.0	20.0	8.9	7.5	2.56	8.8	7.4	2.83	8.7	7.2	3.20	8.4	7.1	3.38	7.8	6.7	3.75	7.4	6.4	4.20		
	16.0	22.0	10.1	7.6	2.60	9.8	7.5	2.88	9.1	7.3	3.26	8.9	7.2	3.44	8.5	6.8	3.81	7.7	6.5	4.28		
	18.0	25.0	10.8	7.9	2.67	10.5	7.8	2.95	9.8	7.4	3.33	9.6	7.3	3.52	9.0	7.1	3.91	8.3	6.6	4.38		
	19.0	27.0	11.1	8.0	2.69	10.8	7.9	2.98	10.1	7.5	3.37	10.0	7.4	3.56	9.4	7.2	3.94	8.6	6.7	4.43		
	19.5	27.0	11.2	8.0	2.70	11.0	7.9	2.99	10.3	7.5	3.38	10.1	7.4	3.57	9.5	7.2	3.96	8.7	6.7	4.44		
	22.0	30.0	12.2	8.1	2.76	11.8	8.0	3.05	11.2	7.6	3.45	11.0	7.5	3.64	10.4	7.4	4.04	9.5	7.0	4.53		
	24.0	32.0	13.0	8.2	2.78	12.7	8.1	3.08	11.9	7.8	3.48	11.6	7.6	3.68	11.1	7.5	4.08	10.2	7.1	4.57		
125	12.0	18.0	11.4	9.5	3.50	11.1	9.2	3.69	10.3	8.7	4.06	10.0	8.6	4.35	9.5	8.4	4.83	8.8	7.9	5.29		
	14.0	20.0	12.1	9.5	3.56	11.7	9.2	3.76	11.0	8.7	4.14	10.7	8.6	4.43	10.1	8.4	4.91	9.4	7.9	5.39		
	16.0	22.0	13.0	9.6	3.63	12.4	9.3	3.82	11.7	8.8	4.21	11.4	8.7	4.50	10.7	8.5	5.00	9.9	8.0	5.48		
	18.0	25.0	13.6	9.9	3.71	13.3	9.5	3.92	12.4	9.1	4.31	12.1	9.0	4.61	11.5	8.7	5.12	10.6	8.3	5.61		
	19.0	27.0	13.9	10.0	3.75	13.6	9.5	3.95	13.0	9.2	4.35	12.5	9.0	4.66	11.8	8.8	5.17	11.0	8.4	5.67		
	19.5	27.0	14.1	10.0	3.76	13.8	9.5	3.97	13.1	9.2	4.37	12.7	9.1	4.68	12.0	8.8	5.19	11.2	8.4	5.69		
	22.0	30.0	15.4	10.1	3.84	14.9	9.8	4.05	14.0	9.4	4.46	13.7	9.3	4.77	13.2	9.1	5.29	12.2	8.6	5.80		
	24.0	32.0	16.2	10.2	3.88	15.8	9.9	4.09	14.9	9.5	4.50	14.6	9.4	4.82	13.9	9.2	5.34	13.1	8.9	5.86		

3D057263

SYMBOLS

AFR:	Air flow rate	(m ³ /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
DB*:	Dry bulb temp.	(°CDB)
TC:	Total capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (Comp. + indoor + outdoor fan motor).	(kW)

Caution

TC and SHC are shown by kW
V3: 230V (50Hz)
W1: 400V (50Hz)

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- Shows nominal capacities
- SHC is based on each EWB and EDB
SHC* = SHC correction for other dry bulb
= 0.29 x 60 x AFR [m³/min.] x (1-BF) x (DB*-EDB)/860
Add SHC* to SHC if SHC > TC, then TC equal SHC
- Direct interpolation is permissible.
Do not extrapolate.
- Capacities are based on following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0 m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated below.

Model		FBQ
71	AFR	15.5
	BF	0.19
100	AFR	23.5
	BF	0.16
125	AFR	27.5
	BF	0.19

- Add the following corrections to power input of each model.

Model	Supply	FBQ
71	V3	0.06
	W1	0
100	V3	0.27
	W1	0
125	W1	0