

FDEQ71-125B7V3B + REQ71-100B7V3B
REQ71-125B7W1B

Cooling capacity table

Outdoor	Indoor			Outdoor temp. (°CDB)																	
	EWB (°C)	EDB (°C)		20			25			32			35			40			46		
				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	4.8	1.92	6.1	4.7	2.08	5.7	4.6	2.33	5.5	4.5	2.50	5.3	4.4	2.75	4.8	4.0	3.00
	14.0	20.0		6.6	4.8	1.95	6.5	4.7	2.12	6.0	4.6	2.38	5.9	4.5	2.55	5.5	4.4	2.80	5.2	4.0	3.06
	16.0	22.0		7.2	4.9	1.99	7.0	4.8	2.16	6.5	4.7	2.42	6.3	4.6	2.59	6.0	4.5	2.85	5.4	4.1	3.11
	18.0	25.0		7.7	5.1	2.03	7.5	4.9	2.21	7.2	4.8	2.48	6.8	4.7	2.65	6.4	4.5	2.92	5.9	4.3	3.18
	19.0	27.0		8.0	5.2	2.05	7.7	5.1	2.23	7.3	4.9	2.50	7.1	4.7	2.68	6.6	4.6	2.95	6.1	4.4	3.22
	19.5	27.0		8.0	5.2	2.06	7.9	5.1	2.24	7.4	4.9	2.51	7.2	4.7	2.69	6.7	4.6	2.96	6.2	4.4	3.23
	22.0	30.0		8.7	5.3	2.10	8.5	5.2	2.29	8.0	5.1	2.56	7.9	4.8	2.74	7.4	4.7	3.02	6.7	4.4	3.29
	24.0	32.0		9.4	5.3	2.12	9.1	5.2	2.31	8.6	5.1	2.58	8.4	4.9	2.77	8.0	4.7	3.05	7.3	4.4	3.32
100	12.0	18.0		8.2	7.0	2.78	8.1	6.9	3.08	7.9	6.7	3.48	7.6	6.6	3.68	7.4	6.2	4.07	6.7	5.9	4.57
	14.0	20.0		8.7	7.0	2.83	8.6	6.9	3.14	8.5	6.7	3.54	8.2	6.6	3.74	7.6	6.2	4.15	7.3	5.9	4.65
	16.0	22.0		9.9	7.1	2.88	9.6	7.0	3.19	8.9	6.8	3.60	8.7	6.7	3.81	8.3	6.3	4.22	7.5	6.0	4.74
	18.0	25.0		10.6	7.4	2.95	10.3	7.3	3.27	9.6	6.9	3.69	9.4	6.8	3.90	8.8	6.6	4.32	8.1	6.1	4.85
	19.0	27.0		10.9	7.5	2.98	10.6	7.4	3.30	9.9	7.0	3.73	9.8	6.9	3.94	9.2	6.7	4.37	8.4	6.2	4.90
	19.5	27.0		11.0	7.5	2.99	10.8	7.4	3.31	10.1	7.0	3.74	9.9	6.9	3.95	9.3	6.7	4.38	8.5	6.2	4.91
	22.0	30.0		12.0	7.6	3.05	11.6	7.5	3.38	11.0	7.1	3.81	10.8	7.0	4.03	10.2	6.9	4.47	9.3	6.5	5.01
	24.0	32.0		12.7	7.7	3.08	12.4	7.6	3.41	11.7	7.3	3.85	11.4	7.1	4.07	10.9	7.0	4.51	10.0	6.6	5.06
125	12.0	18.0		11.1	9.1	3.51	10.8	8.8	3.70	10.0	8.3	4.07	9.7	8.2	4.36	9.2	8.0	4.84	8.5	7.5	5.30
	14.0	20.0		11.8	9.1	3.57	11.4	8.8	3.77	10.7	8.3	4.14	10.4	8.2	4.44	9.8	8.0	4.92	9.1	7.5	5.40
	16.0	22.0		12.7	9.2	3.63	12.1	8.9	3.83	11.4	8.4	4.22	11.1	8.3	4.51	10.4	8.1	5.01	9.6	7.6	5.49
	18.0	25.0		13.3	9.5	3.72	13.0	9.1	3.92	12.1	8.7	4.32	11.8	8.6	4.62	11.2	8.3	5.13	10.3	7.9	5.63
	19.0	27.0		13.6	9.6	3.76	13.3	9.1	3.96	12.7	8.8	4.36	12.2	8.6	4.67	11.5	8.4	5.18	10.7	8.0	5.68
	19.5	27.0		13.8	9.6	3.77	13.5	9.1	3.98	12.8	8.8	4.38	12.4	8.7	4.69	11.7	8.4	5.20	10.9	8.0	5.70
	22.0	30.0		15.1	9.7	3.85	14.6	9.4	4.06	13.7	9.0	4.46	13.4	8.9	4.78	12.9	8.7	5.30	11.9	8.2	5.82
	24.0	32.0		15.9	9.8	3.88	15.5	9.5	4.10	14.6	9.1	4.51	14.3	9.0	4.83	13.6	8.8	5.35	12.8	8.5	5.87

3TW26592-4

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 cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	

Caution:

TC and SHC are shown by kW
V3: 230 V [50 Hz]
W1: 400 V [50 Hz]

NOTES

- Ratings shown are net capacities.
Influence of fan motor heat is included.
- Shows nominal capacities
- SHC is based on each EWB and EDB
 $SHC^* = SHC \text{ correction for other dry bulb}$
 $SHC^* = 0.29 \times 60 \times AFR \text{ (m}^3\text{/min.)} \times (1-BF) \times (DB^*-EDB)/860$
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 : 7.5 m
Level difference : 0 m
- Air flow rate and BF are tabulated below.

Model		FDEQ
71	AFR	19
	BF	0.11
100	AFR	27
	BF	0.2
125	AFR	35
	BF	0.14

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

Model	Supply	FDEQ
71	V3	0.11
	W1	0
100	V3	0.04
	W1	0
125	W1	0