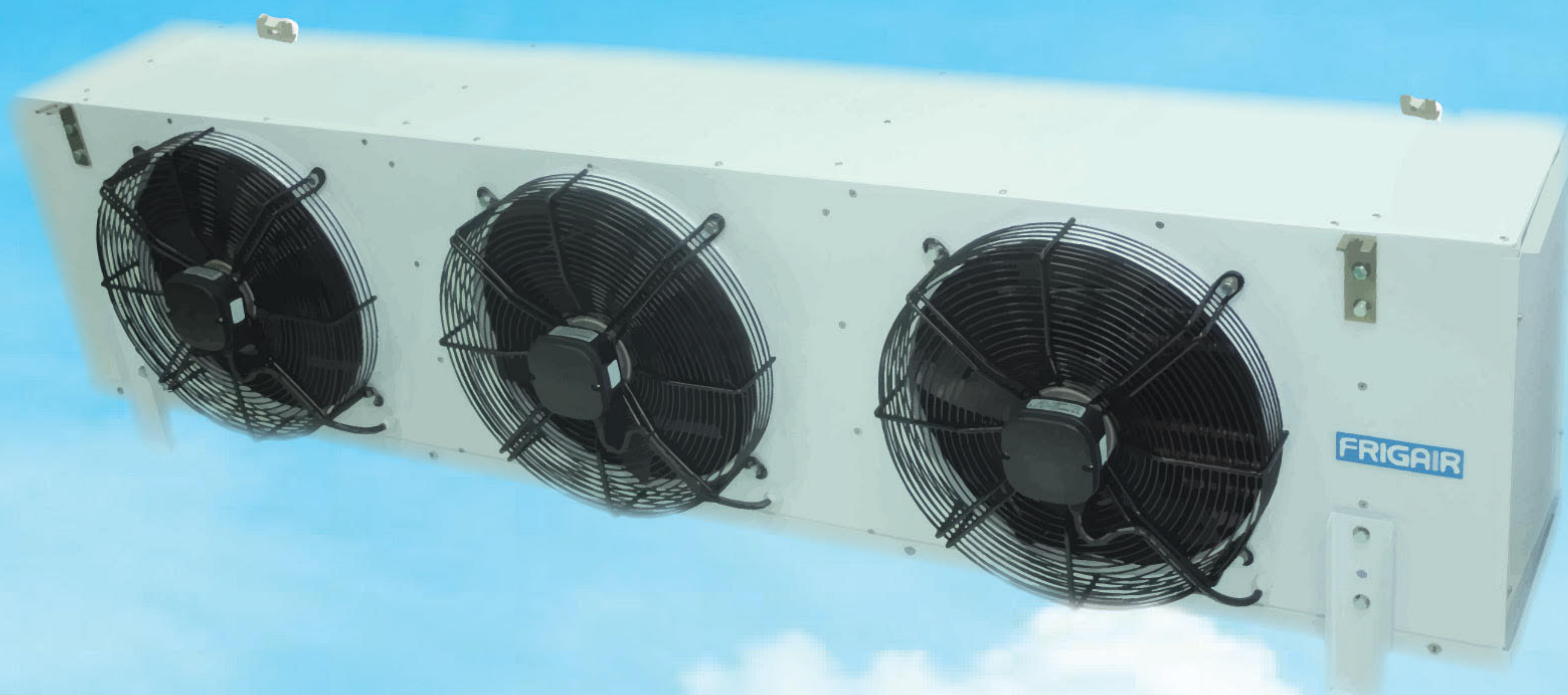


SMC

Series

Unit Coolers



FRIGAIR

'FRIGAIR' Unit Cooler-SMC Series

4 Fin / Inch.

[Evaporating Temperature: @-25°C Et.ΔT₁ 7°C - Freezer Electric Defrost]

MODEL	CAPACITY (BTU/HR)	NO. FAN			MOTOR SIZE		AIRTHROW (FT)	ELECTRIC HEATER (WATTS)	VOLTAGE (V)
		NO.	DIA(INS)	M3/HR	WATTS	RPM			
SMC 45 - L	5,100	1	12	1,700	90	1,320	32	1,750	240
SMC 65 - L	7,400	1	12	1,700	90	1,380	32	2,450	240
SMC 85 - L	9,700	2	12	3,400	90	1,380	32	2,800	240
SMC 120 - L	12,400	2	12	3,400	90	1,380	32	3,080	240
SMC 160 - L	17,600	2	16	7,000	180	1,380	60	4,400	240
SMC 180 - L	20,600	2	16	7,000	180	1,380	60	4,500	240
SMC 240 - L	27,500	3	16	10,500	180	1,380	60	6,000	240
SMC 300 - L	33,000	3	16	10,500	180	1,380	60	6,000	240
SMC 360 - L	38,600	3	16	10,500	180	1,380	60	6,000	240
SMC 400 - L	46,300	4	16	14,000	180	1,380	60	6,000	240

[Evaporating Temperature: @-5°C Et.ΔT₁ 8°C - Chiller Air Defrost]

MODEL	CAPACITY (BTU/HR)	NO. FAN			MOTOR SIZE		AIRTHROW (FT)	VOLTAGE (V)	TXV CONN. INLET x ONTLET (INS)	DRY WTG (KG)
		NO.	DIA(INS)	M3/HR	WATTS	RPM				
SMC 45 - H	6,500	1	12	1,700	90	1,320	32	240	1/2 x 3/4	20
SMC 65 - H	9,500	1	12	1,700	90	1,380	32	240	1/2 x 3/4	28
SMC 85 - H	12,500	2	12	3,400	90	1,380	32	240	1/2 x 3/4	31
SMC 120 - H	15,880	2	12	3,400	90	1,380	32	240	1/2 x 1.1/8	37
SMC 160 - H	22,500	2	16	7,000	180	1,380	60	240	1/2 x 1.1/8	58
SMC 180 - H	26,500	2	16	7,000	180	1,380	60	240	5/8 x 1.1/8	66
SMC 240 - H	35,500	3	16	10,500	180	1,380	60	240	5/8 x 1.5/8	84
SMC 300 - H	42,500	3	16	10,500	180	1,380	60	240	5/8 x 1.5/8	97
SMC 360 - H	49,500	3	16	10,500	180	1,380	60	240	5/8 x 1.5/8	112
SMC 400 - H	59,500	4	16	14,000	180	1,380	60	240	5/8 x 1.5/8	112

[CAPACITY] SMC / 4 FIN / INCH

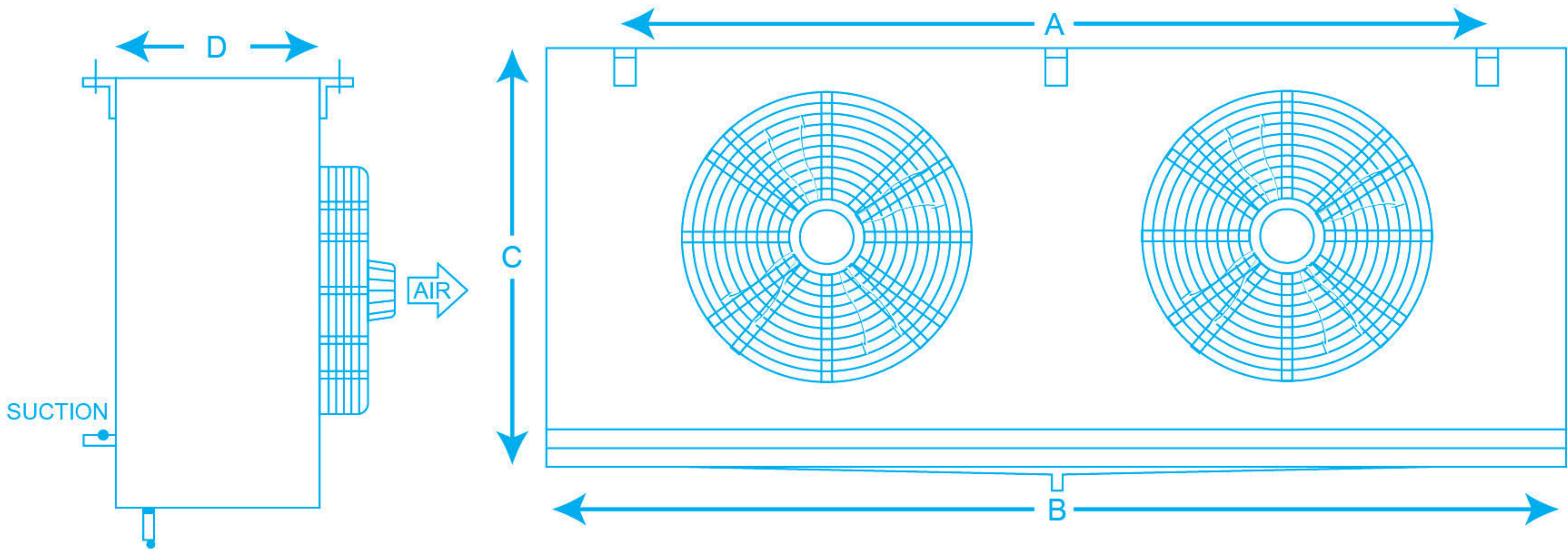
CAPACITY CORRECTION FACTORS										
EVAPORATING TEMPERATURE °C										
ΔT ₁ °C	-35	-30	-25	-20	-15	-10	-5	0	5	
5	0.66	0.69	0.71	0.73	0.76	0.78	0.80	0.82	0.84	
6	0.79	0.83	0.86	0.88	0.91	0.94	0.96	0.98	1.00	
7	0.92	0.97	1.00	1.03	1.06	1.10	1.12	1.15	1.17	
8	1.05	1.11	1.14	1.18	1.21	1.26	1.28	1.31	1.34	
9	1.18	1.25	1.29	1.32	1.36	1.41	1.44	1.48	1.52	
10	1.31	1.38	1.43	1.47	1.51	1.57	1.60	1.64	1.68	

Refrigerant	R-22	R-12 / R-134A	R-502 / R-404A
Correction Factor	1.0	0.95	0.97

Rating Conditions

ΔT₁ : These figures is obtained from the difference between air-on temperature and refrigerant evaporating temperature.

Correction Factor : For other temperature differences and evaporating temperatures, multiply the basic rating by the relevant capacity correction factor shown in the tables.



[Features And Dimension (mm)]

MODEL	A	B	C	D
SMC 45	485	780	455	350
SMC 65	710	1010	455	350
SMC 85	840	1140	455	350
SMC 120	1040	1340	455	350
SMC 160	1200	1500	540	420
SMC 180	1380	1650	540	420
SMC 240	1805	2090	540	420
SMC 300	2085	2370	540	420
SMC 360	2670	2950	540	420
SMC 400	2670	2950	540	420

For more information contact: