



SMK series

We Trust On Quality More Than Quantity

FRIGAIR

'FRIGAIR' Unit Cooler- SMK Series

4 Fin/ Inch.

Evaporating Temperature: @-25°C Et. ΔT_1 7°C - Freezer Electric Defrost

MODEL	CAPACITY (BTU/HR)	NO. FAN			MOTOR SIZE		AIR THROW (FT)	ELECTRIC HEATER (WATTS)	VOLTAGE (V)
		NO.	DIA (INS)	M3/HR	WATTS	RPM			
SMK 45 - L	5,100	1	14	2,500	130	1,400	55	1,665	240
SMK 65 - L	7,400	1	14	2,800	130	1,400	55	2,355	240
SMK 85 - L	9,700	1	14	3,200	130	1,400	50	2,725	240
SMK 120- L	12,400	1	14	3,200	130	1,400	50	3,775	240
SMK 160- L	17,600	2	14	6,200	130	1,400	70	3,775	240
SMK 180- L	20,600	2	14	6,700	130	1,400	70	4,280	240
SMK 240- L	27,500	3	14	8,000	130	1,400	78	5,965	240
SMK 300- L	33,000	3	14	8,000	130	1,400	78	5,965	240
SMK 360- L	38,600	3	14	10,800	130	1,400	78	8,865	240
SMK 400- L	46,300	4	14	10,908	130	1,400	78	8,865	240

Evaporating Temperature: @-5°C Et. ΔT_1 8°C - Chiller Air Defrost

MODEL	CAPACITY (BTU/HR)	NO. FAN			MOTOR SIZE		AIR THROW (FT)	VOLTAGE (V)	TXV CONN. INLET X ONTLET (INS)	DRY WTG (KG)
		NO.	DIA (INS)	M3/HR	WATTS	RPM				
SMK 45 - H	6,500	1	14	2,500	130	1,400	55	240	1/2 x 3/4	33
SMK 65 - H	9,500	1	14	2,800	130	1,400	55	240	1/2 x 3/4	33
SMK 85 - H	12,500	1	14	3,200	130	1,400	50	240	1/2 x 3/4	41
SMK 120- H	15,880	1	14	3,200	130	1,400	50	240	1/2 x 1.1/8	46
SMK 160- H	22,500	2	14	6,200	130	1,400	70	240	1/2 x 1.1/8	58
SMK 180- H	26,500	2	14	6,700	130	1,400	70	240	5/8 x 1.1/8	66
SMK 240- H	35,500	3	14	8,000	130	1,400	70	240	5/8 x 1.5/8	84
SMK 300- H	42,500	3	14	8,000	130	1,400	78	240	5/8 x 1.5/8	97
SMK 360- H	49,500	3	14	10,800	130	1,400	70	240	5/8 x 1.5/8	112
SMK 400- H	59,500	4	14	10,908	130	1,400	68	240	5/8 x 1.5/8	112

CAPACITY SMK/ 4 FIN/ INCH

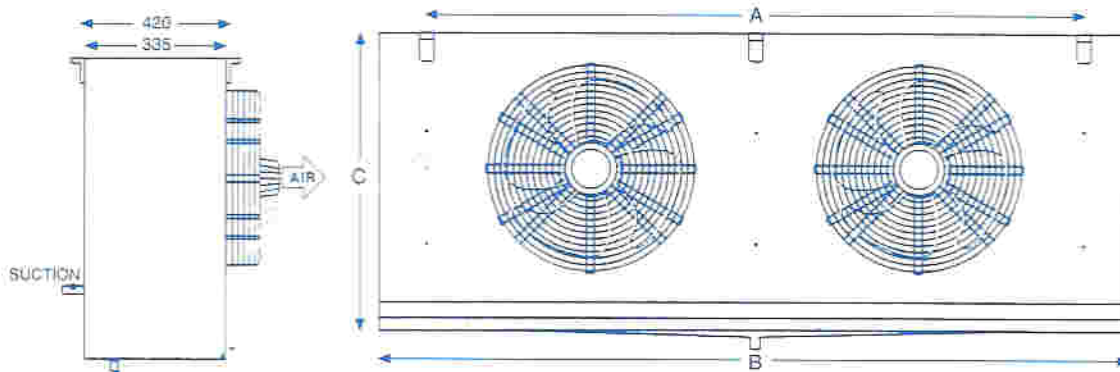
CAPACITY CORRECTION FACTORS										
EVAPORATING TEMPERATURE °C										
ΔT_1 °C	-35	-30	-25	-20	-15	-10	-5	0	5	
5	0.68	0.69	0.71	0.73	0.75	0.76	0.80	0.82	0.84	
6	0.79	0.82	0.85	0.88	0.91	0.94	0.98	0.99	1.00	
7	0.92	0.97	1.00	1.03	1.06	1.10	1.12	1.15	1.17	
8	1.05	1.11	1.14	1.18	1.21	1.26	1.29	1.31	1.34	
9	1.18	1.25	1.29	1.32	1.35	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

ΔT_1 : (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

MODEL	A	B	C
SMK -45	482	770	540
-65	710	1020	540
-85	840	1120	540
-120	1050	1320	540
-160	1200	1500	540
-180	1380	1650	540
-240	1805	2090	540
-300	2088	2370	540
-360	2670	2950	540
-400	2670	2950	540

For more information contact: