

1,1 - 44,9 kW

SBE Series

standard unit coolers

SBE SERİSİ STANDART ODA SOĞUTUCULARI



SARBUZ.COM

SARBUZ[®]

SINCE 1974





SARBUZ SBE Serisi Standart Oda Soğutucuları, küçük ve orta kapasiteli soğutma sistemleri için enerji, ses seviyesi, ilk yatırım maliyeti ve işletme giderleri dikkate alınarak hesaplanmıştır.

SARBUZ SBE Series Standard Unit Coolers are designed for low and middle capacity cooling systems according to energy consumption, sound pressure level, investment and operating costs

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Ürün Kodlama Product Classification

SARBUZ Standart Oda Soğutucu
SARBUZ Standard Unit Cooler

SBE-

Hatve
Fin Spacing

8

Batarya Kodu
Coil Code

4-

Fan 3 ad. x Ø 500mm.
Fans 3 pcs. x Ø 500mm.

350-

Hava ile defrost veya rezistanssız
Air defrost or non defrost

AD

Sıcak gaz defrost
Hot gas defrost

GD

Yüksek sıcaklık için rezistans (T_r = +5/-2)
Electric defrost for high temperature

HT

Düşük sıcaklık için rezistans (T_r = -2/-25)
Electric defrost for low temperature

LT

Su ile defrost
Water defrost

WD



Kodlama - Ürün Seçimi

Classification - Product Selection

Örnek Seçim -1 • Selection Example -1

Evaporator çalışma koşulları standart şartlarda değil ise aşağıdaki formül ve tablolar kullanılarak ürün kapasitesi SC2 şartına dönüştürülür. Bu durumda oda sıcaklığına uygun lamel aralığı belirlenip SC2 kapasite değerinden ürün seçimi önerilmektedir.

If the operating condition of the evaporator is different than Eurovent standards, please use the following formula and tables to convert your capacity to SC2 conditions. In this case, the evaporator can be selected from suitable fin space and SC2 columns.

Soğutma Yüğü / Cooling capacity: $Q_r = 25000 W$
Oda Sıcaklığı / Room Temperature: $T_r = +2^\circ C$
Evaporasyon Sıcaklığı / Evaporation Temperature: $T_e = -8^\circ C$
 $\Delta T = T_r - T_e = (2) - (-8) = 10 K$
Soğutkan / Refrigerant: **404A**
Fin Malzemesi / Fin Material: **Al**

$$Q_n = Q_r \times A_1 \times A_2 \times A_3$$
$$Q_n = 25000 \times 0,72 \times 1 \times 1 = 18000 W$$

SC2 şartlarında;
Seçilen Soğutucu / Selected Unit Cooler: **SBE-64-250L - 19390 W**

Örnek Seçim -2 • Selection Example -2

Evaporatör çalışma koşullarının Eurovent standart şartlarında olması durumunda, ilgili şarttan direkt seçim yapılır. Bu örnekte $-18^\circ C$ oda sıcaklığı ve $-25^\circ C$ evaporasyon sıcaklığı için 8mm veya 10mm lamel aralığından ve SC3 kapasite değerinden ürün seçilmesi önerilmektedir.

The evaporators can be directly selected from the related tables, when the evaporator operating conditions are same with Eurovent Standard conditions. For this example, the evaporator can be selected from 8mm or 10mm tables, directly from SC3 columns.

Soğutma Yüğü / Cooling capacity: $Q_r = 10000 W$
Oda Sıcaklığı / Room Temperature: $T_r = -18^\circ C$
Evaporasyon Sıcaklığı / Evaporation Temperature: $T_e = -25^\circ C$
Soğutkan / Refrigerant: **404A**
Fin Malzemesi / Fin Material: **Al**

SC3 şartlarında;
Seçilen Soğutucu / Selected Unit Cooler: **SBE-84-340-LT - 10420 W**

A ₁		Düzeltilme Katsayısı / Correction Coefficient																	
Tr (°C)		-35	-30	-25	-20	-18	-15	-10	-5	0	1	2	3	4	5	6	8	10	12
Δt = Tr - Te Sıcaklık Farkı Temperature Difference	10	0,92	0,92	0,91	0,89	0,88	0,86	0,84	0,82	0,80	0,77	0,72	0,72	0,70	0,68	0,68	0,68	0,68	0,68
	9	1,02	1,02	1,01	0,98	0,97	0,96	0,93	0,91	0,89	0,86	0,83	0,81	0,78	0,76	0,76	0,76	0,76	0,76
	8	1,15	1,15	1,14	1,11	1,10	1,08	1,05	1,02	1,00	0,97	0,93	0,91	0,88	0,85	0,85	0,85	0,85	0,85
	7	1,31	1,31	1,30	1,27	1,25	1,23	1,20	1,17	1,14	1,10	1,07	1,04	1,00	0,97	0,97	0,97	0,97	0,97
	6	1,53	1,53	1,52	1,47	1,46	1,44	1,40	1,37	1,33	1,29	1,25	1,21	1,17	1,14	1,14	1,14	1,14	1,14
	5	1,84	1,84	1,82	1,77	1,75	1,72	1,68	1,64	1,60	1,55	1,50	1,45	1,40	1,36	1,36	1,36	1,36	1,36
	4	2,30	2,30	2,27	2,21	2,19	2,16	2,10	2,05	2,00	1,93	1,87	1,81	1,75	1,70	1,70	1,70	1,70	1,70

A ₂		Oda Sıcaklığına (Tr) Göre Soğutucu Gaz Katsayısı / Refrigerant Coefficient According to Room Temperature (Tr)																	
Tr (°C)		-35	-30	-25	-20	-18	-15	-10	-5	0	1	2	3	4	5	6	8	10	12
R22		1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05
R134A		-	-	-	-	1,18	1,16	1,14	1,12	1,10	1,10	1,10	1,09	1,09	1,09	1,09	1,08	1,08	1,08
R404A		1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
R507A		1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03	1,03

A₃ Malzeme düzeltilme katsayısı

Fin material correction coefficient

Alüminyum Aluminium (Al)	Kaplamalı Alüminyum Coated Aluminium (Al/PC)	Bakır Copper (Cu)
1	1,03	0,97

Eurovent EN 328 Standart çalışma şartları

Standard conditions according to Eurovent EN 328

Standart Kapasite Şartları Standard Capacity Conditions	Hava Giriş Sıc. Inlet Air Temp.	Evaporasyon Sıc. Evaporation Temp.	Önerilen Lamel Aralığı Recommended Fin Space
SC1	10	0	4 - 6 mm
SC2	0	-8	6 - 8 mm
SC3	-18	-25	8 - 10 mm
SC4	-25	-31	10 mm

Model	Kapasite / Capacity			Isı Transfer Yüzeği Heat Exchanger Surface	Fan					Isıtıcılar / Electrical Defrost		
	SC1 Tr= 10°C Te= 0°C ΔT=10K	SC2 Tr= 0°C Te= -8°C ΔT=8K	m ²		Çap Diameter	Hava Debisi Air Flow	Hava Atım Mesafesi Air Throw	Elektrik Gücü Power Consumption	Ses Seviyesi Noise Level	HT		Tava Drip Tray
										Batarya Coil	Batarya Coil	
SBE-41-130	2610	1760	8.0	1 x 300	1390	7	66	36	1 x 400	-	-	
SBE-42-130	3080	2070	10.6	1 x 300	1310	7	69	37	2 x 400	-	-	
SBE-44-130	3700	2540	16.0	1 x 300	1190	6	71	39	2 x 400	-	-	
SBE-42-135	5370	3630	16.6	1 x 350	2450	11	155	42	2 x 520	-	-	
SBE-43-135	5990	4050	20.7	1 x 350	2310	10	158	42	2 x 520	-	-	
SBE-44-135	6350	4410	24.9	1 x 350	2180	10	159	42	3 x 520	-	-	
SBE-42-140	6630	4450	19.4	1 x 400	3190	13	194	51	2 x 520	-	-	
SBE-43-140	7310	4970	24.2	1 x 400	2980	12	205	52	3 x 520	-	-	
SBE-44-140	8020	5450	29.0	1 x 400	2810	11	210	52	3 x 520	-	-	
SBE-41-230	5160	3490	16.0	2 x 300	2780	8	132	39	2 x 1200	-	-	
SBE-42-230	6250	4220	21.3	2 x 300	2620	8	137	40	2 x 1200	-	-	
SBE-44-230	7470	5100	31.9	2 x 300	2370	7	141	42	3 x 1200	-	-	
SBE-42-235	10800	7240	33.2	2 x 350	4910	12	310	45	2 x 1120	-	-	
SBE-43-235	12070	8230	41.5	2 x 350	4620	11	316	45	3 x 1120	-	-	
SBE-44-235	12880	8710	49.8	2 x 350	4360	11	318	45	3 x 1120	-	-	
SBE-42-240	13420	9030	38.7	2 x 400	6380	15	388	54	2 x 1120	-	-	
SBE-43-240	15010	10170	48.4	2 x 400	5970	14	410	55	3 x 1120	-	-	
SBE-44-240	16170	11020	58.1	2 x 400	5630	13	420	55	3 x 1120	-	-	
SBE-41-330	7770	5360	23.9	3 x 300	4170	9	198	41	2 x 1200	-	-	
SBE-42-330	9360	6380	31.9	3 x 300	3930	9	206	42	2 x 1200	-	-	
SBE-44-330	11230	7710	47.9	3 x 300	3560	8	212	44	3 x 1200	-	-	
SBE-42-335	16250	11040	49.8	3 x 350	7360	13	465	47	2 x 1600	-	-	
SBE-43-335	18240	12370	62.2	3 x 350	6930	12	474	47	3 x 1600	-	-	
SBE-44-335	19420	13150	74.7	3 x 350	6540	12	477	47	3 x 1600	-	-	
SBE-42-340	20120	13630	58.1	3 x 400	9560	16	582	56	2 x 1600	-	-	
SBE-43-340	22590	15270	72.6	3 x 400	8950	15	615	57	3 x 1600	-	-	
SBE-44-340	24110	16270	87.1	3 x 400	8440	14	630	57	3 x 1600	-	-	

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Kapasite ve Ölçüler

Capacity and Measures

Model	Ölçüler / Dimensions												Bağlantılar Connections	
	Boru Hacmi Tube Volume	Ağırlık Weight	L	H1	H2	D	A	B	B1	B2	B3	C	Giriş In	Çıkış Out
	l	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SBE-41-130	1.5	17	708	444	484	489	321	425	-	-	-	351	1/2"	5/8"
SBE-42-130	2.0	18	708	444	484	489	321	425	-	-	-	351	1/2"	5/8"
SBE-44-130	3.0	22	708	444	484	489	321	425	-	-	-	351	1/2"	22
SBE-42-135	3.1	25	828	524	564	529	359	545	-	-	-	391	1/2"	22
SBE-43-135	3.9	28	828	524	564	529	359	545	-	-	-	391	1/2"	22
SBE-44-135	4.7	30	828	524	564	529	359	545	-	-	-	391	1/2"	22
SBE-42-140	3.6	31	828	604	644	551	359	545	-	-	-	391	1/2"	22
SBE-43-140	4.4	34	828	604	644	551	359	545	-	-	-	391	1/2"	22
SBE-44-140	5.4	36	828	604	644	551	359	545	-	-	-	391	1/2"	22
SBE-41-230	2.8	26	1108	444	484	489	321	825	-	-	-	351	1/2"	22
SBE-42-230	4.0	29	1108	444	484	489	321	825	-	-	-	351	1/2"	22
SBE-44-230	6.0	34	1108	444	484	489	321	825	-	-	-	351	1/2"	28
SBE-42-235	6.2	40	1348	524	564	529	359	1065	-	-	-	391	1/2"	22
SBE-43-235	7.8	45	1348	524	564	529	359	1065	-	-	-	391	1/2"	28
SBE-44-235	9.3	49	1348	524	564	529	359	1065	-	-	-	391	1/2"	28
SBE-42-240	7.0	49	1348	604	644	551	359	1065	-	-	-	391	1/2"	28
SBE-43-240	9.1	54	1348	604	644	551	359	1065	-	-	-	391	1/2"	28
SBE-44-240	10.4	59	1348	604	644	551	359	1065	-	-	-	391	5/8"	28
SBE-41-330	4.2	34	1508	444	484	489	321	1225	-	-	-	351	1/2"	22
SBE-42-330	5.4	38	1508	444	484	489	321	1225	-	-	-	351	1/2"	22
SBE-44-330	9.0	47	1508	444	484	489	321	1225	-	-	-	351	5/8"	28
SBE-42-335	9.3	56	1868	524	564	529	359	1585	-	-	-	391	1/2"	28
SBE-43-335	11.7	62	1868	524	564	529	359	1585	-	-	-	391	1/2"	28
SBE-44-335	14.0	68	1868	524	564	529	359	1585	-	-	-	391	5/8"	28
SBE-42-340	10.9	68	1868	604	644	551	359	1585	528	1057	-	391	5/8"	28
SBE-43-340	13.6	75	1868	604	644	551	359	1585	528	1057	-	391	5/8"	28
SBE-44-340	16.3	82	1868	604	644	551	359	1585	528	1057	-	391	5/8"	28



Model	Kapasite / Capacity				Isı Transfer Yüzeyi Heat Exchanger Surface m ²	Fan					Isıtıcılar / Electrical Defrost		
	SC1	SC2	SC3	SC4		Çap Diameter mm	Hava Debisi Air Flow m ³ /h	Hava Atım Mesafesi Air Throw m	Elektrik Gücü Power Consumption Watt	Ses Seviyesi Noise Level dB(A) 3m	HT		Tava Drip Tray Watt
	Watt	Watt	Watt	Watt							Batarya Coil Watt	Batarya Coil Watt	
	Tr= 10°C Te= 0°C ΔT=10K	Tr= 0°C Te= -8°C ΔT=8K	Tr= -18°C Te= -8°C ΔT=7K	Tr= -25°C Te= -31°C ΔT=6K		HT		LT					
SBE-61-130	2140	1450	1140	790	5.5	1 x 300	1440	8	65	36	1 x 400	2 x 400	1 x 400
SBE-62-130	2630	1770	1340	1090	7.3	1 x 300	1370	7	66	36	2 x 400	3 x 400	1 x 400
SBE-64-130	3250	2220	1800	1440	11.0	1 x 300	1260	7	69	37	2 x 400	3 x 400	1 x 400
SBE-62-135	4520	3060	2420	1900	11.4	1 x 350	2580	12	151	42	2 x 520	3 x 520	1 x 520
SBE-63-135	5220	3520	2840	2270	14.2	1 x 350	2450	11	155	42	2 x 520	3 x 520	1 x 520
SBE-64-135	5700	3840	3130	2520	17.1	1 x 350	2330	10	158	42	3 x 520	4 x 520	1 x 520
SBE-62-140	5640	3790	3000	2410	13.3	1 x 400	3370	13	196	51	2 x 520	3 x 520	1 x 520
SBE-63-140	6370	4260	3410	2660	16.6	1 x 400	3180	12	198	51	3 x 520	4 x 520	1 x 520
SBE-64-140	7090	4810	3830	3070	19.9	1 x 400	3010	12	205	52	3 x 520	4 x 520	1 x 520
SBE-62-145	7280	4910	3980	3190	16.6	1 x 450	4650	15	318	51	3 x 650	4 x 650	1 x 650
SBE-63-145	8470	5700	4610	3680	20.8	1 x 450	4440	15	328	51	3 x 650	4 x 650	1 x 650
SBE-64-145	9500	6380	5150	4160	24.9	1 x 450	4250	14	318	51	4 x 650	5 x 650	1 x 650
SBE-62-150	9470	6360	5100	4010	19.0	1 x 500	6930	20	636	49	3 x 650	4 x 650	1 x 650
SBE-64-150	12320	8270	6660	5130	28.5	1 x 500	6060	18	670	50	4 x 650	5 x 650	1 x 650
SBE-62-150L	11060	7550	5900	4690	23.4	1 x 500	7600	22	620	48	3 x 800	4 x 800	1 x 800
SBE-64-150L	14240	9600	7850	6320	35.1	1 x 500	6810	20	640	49	4 x 800	5 x 800	1 x 800
SBE-66-150L	16170	11040	9010	7160	46.8	1 x 500	6190	18	670	50	4 x 800	5 x 800	1 x 800
SBE-61-230	4210	2850	2290	1860	11.0	2 x 300	2880	9	129	39	1 x 800	2 x 800	1 x 800
SBE-62-230	5310	3590	2790	2230	14.6	2 x 300	2740	8	132	39	2 x 800	3 x 800	1 x 800
SBE-64-230	6630	4520	3590	2880	21.9	2 x 300	2510	8	138	40	3 x 800	4 x 800	1 x 800
SBE-62-235	9210	6190	4920	3990	22.8	2 x 350	5170	13	302	45	2 x 1040	3 x 1040	1 x 1040
SBE-63-235	10400	6990	5690	4630	28.5	2 x 350	4900	12	310	45	3 x 1040	4 x 1040	1 x 1040
SBE-64-235	11530	7790	6340	5140	34.2	2 x 350	4660	11	316	45	3 x 1040	4 x 1040	1 x 1040
SBE-62-240	11370	7660	5890	4790	26.6	2 x 400	6750	15	392	54	2 x 1040	3 x 1040	1 x 1040
SBE-63-240	12990	8790	7070	5710	33.2	2 x 400	6350	14	396	54	2 x 1040	3 x 1040	1 x 1040
SBE-64-240	14180	9590	7780	6350	39.9	2 x 400	6020	14	410	55	3 x 1040	4 x 1040	1 x 1040
SBE-62-245	14930	9730	8020	6550	33.2	2 x 450	9300	17	636	54	3 x 1300	4 x 1300	1 x 1300
SBE-63-245	17290	11570	9140	7470	41.6	2 x 450	8880	17	656	54	4 x 1300	5 x 1300	1 x 1300
SBE-64-245	19210	12930	10380	8430	49.9	2 x 450	8510	16	636	54	4 x 1300	5 x 1300	1 x 1300
SBE-66-245	21760	14690	12050	9810	66.5	2 x 450	7810	15	700	54	4 x 1300	5 x 1300	1 x 1300
SBE-64-250	24860	16730	13400	10970	57.0	2 x 500	12110	21	1340	53	5 x 1300	6 x 1300	1 x 1300
SBE-64-250L	28990	19380	15630	12760	70.1	2 x 500	13620	23	1280	52	5 x 1600	6 x 1600	1 x 1600
SBE-66-250L	32760	22080	18200	14870	93.5	2 x 500	12390	21	1340	53	6 x 1600	7 x 1600	1 x 1600
SBE-61-330	6470	4330	3520	2870	16.4	3 x 300	4310	10	194	41	2 x 1200	3 x 1200	1 x 1200
SBE-62-330	7790	5260	4340	3530	21.9	3 x 300	4110	9	198	41	2 x 1200	3 x 1200	1 x 1200
SBE-64-330	9810	6700	5490	4450	32.9	3 x 300	3770	9	207	42	3 x 1200	4 x 1200	1 x 1200
SBE-62-335	13820	9250	7420	6030	34.2	3 x 350	7750	14	453	47	2 x 1600	3 x 1600	1 x 1600
SBE-63-335	15810	10640	8430	6860	42.7	3 x 350	7350	13	465	47	3 x 1600	4 x 1600	1 x 1600
SBE-64-335	17360	11740	9550	7760	51.3	3 x 350	6990	12	474	47	3 x 1600	4 x 1600	1 x 1600
SBE-62-340	16660	11150	9110	7370	39.9	3 x 400	10120	16	588	56	2 x 1600	3 x 1600	1 x 1600
SBE-63-340	19580	13240	10310	8370	49.9	3 x 400	9530	15	594	56	3 x 1600	4 x 1600	1 x 1600
SBE-64-340	21510	14510	11590	9460	59.8	3 x 400	9030	15	615	57	3 x 1600	4 x 1600	1 x 1600
SBE-62-345	22570	15150	11910	9660	49.9	3 x 450	13950	26	954	56	3 x 1950	4 x 1950	1 x 1950
SBE-64-345	28510	19390	15730	12870	74.8	3 x 450	12760	24	984	56	4 x 1950	5 x 1950	1 x 1950
SBE-66-345	32790	22450	18140	14730	99.7	3 x 450	11720	22	1050	56	4 x 1950	5 x 1950	1 x 1950
SBE-64-350	37400	25200	20110	16370	85.5	3 x 500	18170	22	2010	55	5 x 1950	6 x 1950	1 x 1950
SBE-64-350L	43640	29230	23740	19200	105.2	3 x 500	20430	24	1920	54	5 x 2400	6 x 2400	1 x 2400
SBE-66-350L	49920	33750	26970	21900	140.3	3 x 500	18580	22	2010	55	6 x 2400	7 x 2400	1 x 2400
SBE-62-440	22920	15390	12090	9800	53.2	4 x 400	13500	22	784	57	2 x 2080	3 x 2080	1 x 2080
SBE-64-440	28510	19310	15680	12820	79.8	4 x 400	12040	20	820	58	3 x 2080	4 x 2080	1 x 2080
SBE-64-445	36050	24690	19450	15600	92.1	4 x 450	17010	21	1272	57	4 x 2400	5 x 2400	1 x 2400
SBE-66-445	41410	28070	22380	18200	122.8	4 x 450	15620	19	1400	57	4 x 2400	5 x 2400	1 x 2400
SBE-64-450	46550	31570	24520	19510	105.2	4 x 500	24230	23	2680	56	5 x 2400	6 x 2400	1 x 2400
SBE-64-450L	58280	39020	28290	21900	140.3	4 x 500	27240	25	2560	55	5 x 3200	6 x 3200	1 x 3200
SBE-66-450L	66450	44900	33460	26220	187.1	4 x 500	24780	23	2680	56	6 x 3200	7 x 3200	1 x 3200

ÜRÜN SEÇİMİ
PRODUCT SELECTION

KAPASİTE TABLOSU
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Kapasite ve Ölçüler

Capacity and Measures

Model	Ölçüler / Dimensions												Bağlantılar Connections	
	Boru Hacmi Tube Volume	Ağırlık Weight	L	H1	H2	D	A	B	B1	B2	B3	C	Giriş In	Çıkış Out
	l	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SBE-61-130	1.5	16	708	444	484	489	321	425	-	-	-	351	1/2"	5/8"
SBE-62-130	2.0	17	708	444	484	489	321	425	-	-	-	351	1/2"	5/8"
SBE-64-130	3.0	20	708	444	484	489	321	425	-	-	-	351	1/2"	22
SBE-62-135	3.1	24	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-63-135	3.9	26	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-64-135	4.7	35	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-62-140	3.6	29	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-63-140	4.4	31	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-64-140	5.4	34	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-62-145	4.5	35	958	604	644	571	401	675	-	-	-	431	1/2"	22
SBE-63-145	5.3	37	958	604	644	571	401	675	-	-	-	431	1/2"	22
SBE-64-145	6.8	40	958	604	644	571	401	675	-	-	-	431	1/2"	28
SBE-62-150	4.9	41	998	689	767	605	401	680	-	-	-	491	1/2"	28
SBE-64-150	7.8	47	998	689	767	605	401	680	-	-	-	491	1/2"	28
SBE-62-150L	6.0	46	1168	689	767	605	401	830	-	-	-	491	5/8"	28
SBE-64-150L	9.6	53	1168	689	767	605	401	830	-	-	-	491	5/8"	28
SBE-66-150L	12.0	63	1168	689	767	665	461	830	-	-	-	551	5/8"	28
SBE-61-230	2.8	24	1108	444	484	489	321	825	-	-	-	351	1/2"	22
SBE-62-230	4.0	27	1108	444	484	489	321	825	-	-	-	351	1/2"	22
SBE-64-230	6.0	31	1108	444	484	489	321	825	-	-	-	351	1/2"	28
SBE-62-235	6.2	48	1348	524	564	529	361	1065	-	-	-	391	1/2"	22
SBE-63-235	7.8	41	1348	524	564	529	361	1065	-	-	-	391	1/2"	28
SBE-64-235	9.3	44	1348	524	564	529	361	1065	-	-	-	391	1/2"	28
SBE-62-240	7.0	46	1348	604	644	551	361	1065	-	-	-	391	1/2"	28
SBE-63-240	9.1	50	1348	604	644	551	361	1065	-	-	-	391	1/2"	28
SBE-64-240	10.4	54	1348	604	644	551	361	1065	-	-	-	391	5/8"	28
SBE-62-245	9.1	56	1608	604	644	571	401	1325	-	-	-	431	1/2"	28
SBE-63-245	11.3	60	1608	604	644	571	401	1325	-	-	-	431	1/2"	28
SBE-64-245	13.6	66	1608	604	644	571	401	1325	-	-	-	431	5/8"	28
SBE-66-245	18.2	79	1608	604	644	631	461	1325	-	-	-	485	5/8"	28
SBE-64-250	15.6	76	1648	689	767	605	401	1330	-	-	-	491	5/8"	35
SBE-64-250L	19.2	88	1948	689	767	605	401	1630	-	-	-	491	5/8"	35
SBE-66-250L	25.5	106	1948	689	767	665	461	1630	-	-	-	551	5/8"	35
SBE-61-330	4.2	32	1508	444	484	489	321	1225	-	-	-	351	1/2"	22
SBE-62-330	5.4	35	1508	444	484	489	321	1225	-	-	-	351	1/2"	22
SBE-64-330	9.0	43	1508	444	484	489	321	1225	-	-	-	351	5/8"	28
SBE-62-335	9.3	51	1868	524	564	529	361	1585	-	-	-	391	1/2"	28
SBE-63-335	11.7	56	1868	524	564	529	361	1585	-	-	-	391	1/2"	28
SBE-64-335	14.0	61	1868	524	564	529	361	1585	-	-	-	391	5/8"	28
SBE-62-340	10.9	62	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-63-340	13.6	68	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-64-340	16.3	74	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-62-345	13.6	77	2258	604	654	571	401	1975	658	1317	-	431	5/8"	28
SBE-64-345	19.5	91	2258	604	654	571	401	1975	658	1317	-	431	5/8"	35
SBE-66-345	26.7	115	2258	604	654	631	461	1975	658	1317	-	485	22	42
SBE-64-350	23.3	105	2298	689	767	605	401	1980	660	660	660	491	5/8"	35
SBE-64-350L	28.7	124	2748	689	767	605	401	2430	660	660	660	491	22	42
SBE-66-350L	38.3	151	2748	689	767	665	461	2430	810	810	810	551	22	42
SBE-62-440	14.5	78.5	2388	604	644	551	361	2105	526	1053	526	391	5/8"	28
SBE-64-440	20.7	93.2	2388	604	644	551	361	2105	526	1053	526	391	5/8"	35
SBE-64-445	23.9	111.1	2708	604	654	571	401	2424	606	1212	606	431	22	42
SBE-66-445	33.5	137.5	2708	604	654	631	461	2424	606	1212	606	487	22	42
SBE-64-450	28.7	127.2	2748	689	767	605	401	2430	610	1210	610	491	22	42
SBE-64-450L	37.7	176.1	3548	689	767	605	401	3235	610	1210	610	491	22	42
SBE-66-450L	49.5	212.8	3548	689	767	665	461	3235	811	1613	811	551	22	42

Model	Kapasite / Capacity				Isı Transfer Yüzeyi Heat Exchanger Surface	Fan					Isıtıcılar / Electrical Defrost		
	SC1	SC2	SC3	SC4		Çap Diameter	Hava Debisi Air Flow	Hava Atım Mesafesi Air Throw	Elektrik Gücü Power Consumption	Ses Seviyesi Noise Level	HT		Tava Drip Tray
	Tr= 10°C Te= 0°C ΔT=10K	Tr= 0°C Te= -8°C ΔT=8K	Tr= -18°C Te= -25°C ΔT=7K	Tr= -25°C Te= -31°C ΔT=6K							Batarya Coil	Batarya Coil	
	Watt	Watt	Watt	Watt		m ²	mm	m ³ /h	m	Watt			dB(A)
SBE-81-130	1830	1240	990	790	4,2	1 x 300	1470	8	63	36	1 x 400	2 x 400	1 x 400
SBE-82-130	2300	1550	1120	910	5,6	1 x 300	1410	7	66	36	2 x 400	3 x 400	1 x 400
SBE-84-130	2900	1950	1580	1270	8,5	1 x 300	1300	7	69	37	2 x 400	3 x 400	1 x 400
SBE-82-135	3930	2660	2140	1600	8,8	1 x 350	2670	12	151	42	2 x 520	3 x 520	1 x 520
SBE-83-135	4620	3120	2440	1960	11,0	1 x 350	2540	11	155	42	2 x 520	3 x 520	1 x 520
SBE-84-135	5150	3470	2800	2230	13,2	1 x 350	2430	11	155	42	3 x 520	4 x 520	1 x 520
SBE-82-140	4930	3310	2560	2040	10,3	1 x 400	3490	14	193	51	2 x 520	3 x 520	1 x 520
SBE-83-140	5680	3810	3030	2430	12,8	1 x 400	3310	13	198	51	3 x 520	4 x 520	1 x 520
SBE-84-140	6350	4310	3350	2680	15,4	1 x 400	3150	12	198	51	3 x 520	4 x 520	1 x 520
SBE-82-145	6470	4310	3410	2680	12,8	1 x 450	4780	16	315	51	3 x 650	4 x 650	1 x 650
SBE-83-145	7450	5020	3970	3180	16,1	1 x 450	4580	15	321	51	3 x 650	4 x 650	1 x 650
SBE-84-145	8520	5730	4520	3610	19,3	1 x 450	4410	14	328	51	4 x 650	5 x 650	1 x 650
SBE-82-150	8280	5540	4470	3630	15,8	1 x 500	7230	21	620	49	3 x 650	4 x 650	1 x 650
SBE-84-150	11060	7430	5940	4760	23,7	1 x 500	6370	19	650	50	4 x 650	5 x 650	1 x 650
SBE-82-150L	9700	6470	5140	4140	18,1	1 x 500	7860	23	610	49	3 x 800	4 x 800	1 x 800
SBE-84-150L	12930	8570	6930	5470	27,1	1 x 500	7120	21	632	49	4 x 800	5 x 800	1 x 800
SBE-86-150L	14880	10000	8260	6550	36,1	1 x 500	6510	19	650	50	4 x 800	5 x 800	1 x 800
SBE-81-230	3580	2430	1980	1580	8,5	2 x 300	2940	9	125	39	1 x 800	2 x 800	1 x 800
SBE-82-230	4640	3130	2350	1890	11,3	2 x 300	2820	8	132	39	2 x 800	3 x 800	1 x 800
SBE-84-230	5950	4050	3230	2530	16,9	2 x 300	2600	8	137	40	3 x 800	4 x 800	1 x 800
SBE-82-235	8060	5420	4330	3500	17,6	2 x 350	5330	13	302	45	2 x 1040	3 x 1040	1 x 1040
SBE-83-235	9300	6230	5050	4070	22,0	2 x 350	5080	12	310	45	3 x 1040	4 x 1040	1 x 1040
SBE-84-235	10400	7030	5660	4540	26,4	2 x 350	4860	12	310	45	3 x 1040	4 x 1040	1 x 1040
SBE-82-240	9880	6680	5160	4150	20,5	2 x 400	6980	16	386	54	2 x 1040	3 x 1040	1 x 1040
SBE-83-240	11490	7770	6150	4920	25,7	2 x 400	6620	15	396	54	2 x 1040	3 x 1040	1 x 1040
SBE-84-240	12740	8670	7000	5630	30,8	2 x 400	6290	14	396	54	3 x 1040	4 x 1040	1 x 1040
SBE-82-245	13080	8750	6970	5600	25,7	2 x 450	9560	18	630	54	3 x 1300	4 x 1300	1 x 1300
SBE-83-245	15300	10270	8170	6460	32,1	2 x 450	9160	17	642	54	4 x 1300	5 x 1300	1 x 1300
SBE-84-245	17200	11580	9140	7290	38,5	2 x 450	8810	16	656	54	4 x 1300	5 x 1300	1 x 1300
SBE-86-245	20060	13540	10980	8860	51,4	2 x 450	8190	15	680	54	4 x 1300	5 x 1300	1 x 1300
SBE-84-250	22100	15000	11970	9630	44,0	2 x 500	12750	22	1300	53	5 x 1300	6 x 1300	1 x 1300
SBE-84-250L	26090	17490	14000	11390	54,2	2 x 500	12420	24	1264	52	5 x 1600	6 x 1600	1 x 1600
SBE-86-250L	29650	20270	16650	13480	72,3	2 x 500	13030	22	1300	53	6 x 1600	7 x 1600	1 x 1600
SBE-81-330	5570	3740	3040	2450	12,7	3 x 300	4410	10	188	41	2 x 1200	3 x 1200	1 x 1200
SBE-82-330	6780	4580	3780	3030	16,9	3 x 300	4230	9	198	41	2 x 1200	3 x 1200	1 x 1200
SBE-84-330	8910	6010	4920	3960	25,4	3 x 300	3900	9	206	42	3 x 1200	4 x 1200	1 x 1200
SBE-82-335	12130	8140	6520	5290	26,4	3 x 350	8000	14	453	47	2 x 1600	3 x 1600	1 x 1600
SBE-83-335	14060	9470	7490	6070	33,0	3 x 350	7610	13	465	47	3 x 1600	4 x 1600	1 x 1600
SBE-84-335	15650	10580	8520	6850	39,6	3 x 350	7280	13	465	47	3 x 1600	4 x 1600	1 x 1600
SBE-82-340	14850	9930	8010	6510	30,8	3 x 400	10470	17	579	56	2 x 1600	3 x 1600	1 x 1600
SBE-83-340	17350	11720	9150	7450	38,5	3 x 400	9920	16	594	56	3 x 1600	4 x 1600	1 x 1600
SBE-84-340	19390	13090	10420	8430	46,2	3 x 400	9440	15	594	56	3 x 1600	4 x 1600	1 x 1600
SBE-82-345	19650	13210	10380	8460	38,5	3 x 450	14340	26	945	56	3 x 1950	4 x 1950	1 x 1950
SBE-84-345	25570	17250	14010	11300	57,8	3 x 450	13220	25	963	56	4 x 1950	5 x 1950	1 x 1950
SBE-86-345	30140	20400	16330	13260	77,1	3 x 450	12290	23	1020	56	4 x 1950	5 x 1950	1 x 1950
SBE-84-350	33500	22580	17990	14680	66,0	3 x 500	19120	23	1950	55	5 x 1950	6 x 1950	1 x 1950
SBE-84-350L	39260	26340	20880	16890	81,3	3 x 500	21360	25	1896	54	5 x 2400	6 x 2400	1 x 2400
SBE-86-350L	45830	30980	24690	20090	108,4	3 x 500	19540	23	1950	55	6 x 2400	7 x 2400	1 x 2400
SBE-82-440	20050	13480	10600	8620	41,1	4 x 400	13950	22	772	57	2 x 2080	3 x 2080	1 x 2080
SBE-84-440	25590	17320	14080	11370	61,6	4 x 400	12580	20	792	57	3 x 2080	4 x 2080	1 x 2080
SBE-84-445	32370	21730	17480	14170	71,1	4 x 450	17070	21	1312	57	4 x 2400	5 x 2400	1 x 2400
SBE-86-445	38100	25800	19720	15680	94,8	4 x 450	15690	19	1360	57	4 x 2400	5 x 2400	1 x 2400
SBE-84-450	42030	28100	22190	17770	81,3	4 x 500	24340	23	2600	56	5 x 2400	6 x 2400	1 x 2400
SBE-84-450L	52440	35170	26020	20320	108,4	4 x 500	28480	26	2528	55	5 x 3200	6 x 3200	1 x 3200
SBE-86-450L	61020	41210	31150	24560	144,5	4 x 500	26060	24	2600	56	6 x 3200	7 x 3200	1 x 3200

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Kapasite ve Ölçüler

Capacity and Measures

Model	Ölçüler / Dimensions												Bağlantılar Connections	
	Boru Hacmi Tube Volume	Ağırlık Weight	L	H1	H2	D	A	B	B1	B2	B3	C	Giriş In	Çıkış Out
	l	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SBE-81-130	1.5	16	708	444	484	489	321	425	-	-	-	351	1/2"	5/8"
SBE-82-130	2.0	17	708	444	484	489	321	425	-	-	-	351	1/2"	5/8"
SBE-84-130	3.0	20	708	444	484	489	321	425	-	-	-	351	1/2"	22
SBE-82-135	3.1	24	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-83-135	3.9	26	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-84-135	4.7	35	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-82-140	3.6	29	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-83-140	4.4	31	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-84-140	5.4	34	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-82-145	4.5	35	958	604	644	571	401	675	-	-	-	431	1/2"	22
SBE-83-145	5.3	37	958	604	644	571	401	675	-	-	-	431	1/2"	22
SBE-84-145	6.8	40	958	604	644	571	401	675	-	-	-	431	1/2"	28
SBE-82-150	4.9	41	998	689	767	605	401	680	-	-	-	491	1/2"	28
SBE-84-150	7.8	47	998	689	767	605	401	680	-	-	-	491	1/2"	28
SBE-82-150L	6.0	46	1168	689	767	605	401	830	-	-	-	491	5/8"	28
SBE-84-150L	9.6	53	1168	689	767	605	401	830	-	-	-	491	5/8"	28
SBE-86-150L	12.0	63	1168	689	767	665	461	830	-	-	-	551	5/8"	28
SBE-81-230	2.8	24	1108	444	484	489	321	825	-	-	-	351	1/2"	22
SBE-82-230	4.0	27	1108	444	484	489	321	825	-	-	-	351	1/2"	22
SBE-84-230	6.0	31	1108	444	484	489	321	825	-	-	-	351	1/2"	28
SBE-82-235	6.2	48	1348	524	564	529	361	1065	-	-	-	391	1/2"	22
SBE-83-235	7.8	41	1348	524	564	529	361	1065	-	-	-	391	1/2"	28
SBE-84-235	9.3	44	1348	524	564	529	361	1065	-	-	-	391	1/2"	28
SBE-82-240	7.0	46	1348	604	644	551	361	1065	-	-	-	391	1/2"	28
SBE-83-240	9.1	50	1348	604	644	551	361	1065	-	-	-	391	1/2"	28
SBE-84-240	10.4	54	1348	604	644	551	361	1065	-	-	-	391	5/8"	28
SBE-82-245	9.1	56	1608	604	644	571	401	1325	-	-	-	431	1/2"	28
SBE-83-245	11.3	60	1608	604	644	571	401	1325	-	-	-	431	1/2"	28
SBE-84-245	13.6	66	1608	604	644	571	401	1325	-	-	-	431	5/8"	28
SBE-86-245	18.2	79	1608	604	644	631	461	1325	-	-	-	485	5/8"	28
SBE-84-250	15.6	76	1648	689	767	605	401	1330	-	-	-	491	5/8"	35
SBE-84-250L	19.2	88	1948	689	767	605	401	1630	-	-	-	491	5/8"	35
SBE-86-250L	25.5	106	1948	689	767	665	461	1630	-	-	-	551	5/8"	35
SBE-81-330	4.2	32	1508	444	484	489	321	1225	-	-	-	351	1/2"	22
SBE-82-330	5.4	35	1508	444	484	489	321	1225	-	-	-	351	1/2"	22
SBE-84-330	9.0	43	1508	444	484	489	321	1225	-	-	-	351	5/8"	28
SBE-82-335	9.3	51	1868	524	564	529	361	1585	-	-	-	391	1/2"	28
SBE-83-335	11.7	56	1868	524	564	529	361	1585	-	-	-	391	1/2"	28
SBE-84-335	14.0	61	1868	524	564	529	361	1585	-	-	-	391	5/8"	28
SBE-82-340	10.9	62	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-83-340	13.6	68	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-84-340	16.3	74	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-82-345	13.6	77	2258	604	654	571	401	1975	658	1317	-	431	5/8"	28
SBE-84-345	19.5	91	2258	604	654	571	401	1975	658	1317	-	431	5/8"	35
SBE-86-345	26.7	115	2258	604	654	631	461	1975	658	1317	-	485	22	42
SBE-84-350	23.3	105	2298	689	767	605	401	1980	660	660	660	491	5/8"	35
SBE-84-350L	28.7	124	2748	689	767	605	401	2430	660	660	660	491	22	42
SBE-86-350L	38.3	151	2748	689	767	665	461	2430	810	810	810	551	22	42
SBE-82-440	14.5	78.5	2388	604	644	551	361	2105	526	1053	526	391	5/8"	28
SBE-84-440	20.7	93.2	2388	604	644	551	361	2105	526	1053	526	391	5/8"	35
SBE-84-445	23.9	111.1	2708	604	654	571	401	2424	606	1212	606	431	22	42
SBE-86-445	33.5	137.5	2708	604	654	631	461	2424	606	1212	606	487	22	42
SBE-84-450	28.7	127.2	2748	689	767	605	401	2430	610	1210	610	491	22	42
SBE-84-450L	37.7	176.1	3548	689	767	605	401	3235	610	1210	610	491	22	42
SBE-86-450L	49.5	212.8	3548	689	767	665	461	3235	811	1613	811	551	22	42

Model	Kapasite / Capacity			Isı Transfer Yüzeyi Heat Exchanger Surface	Fan					Isıtıcılar / Electrical Defrost		
	SC2	SC3	SC4		Çap Diameter	Hava Debisi Air Flow	Hava Atım Mesafesi Air Throw	Elektrik Gücü Power Consumption	Ses Seviyesi Noise Level	HT		Tava Drip Tray
	Tr= 0°C Te= -8°C ΔT=8K	Tr= -18°C Te= -25°C ΔT=7K	Tr= -25°C Te= -31°C ΔT=6K							Batarya Coil	Batarya Coil	
Watt	Watt	Watt	m ²	mm	m ³ /h	m	Watt	dB(A)	Watt	Watt	Watt	
SBE-101-130	1110	890	710	3,5	1 x 300	1490	8	64	36	1 x 400	2 x 400	1 x 400
SBE-102-130	1420	1000	810	4,6	1 x 300	1430	8	65	36	2 x 400	3 x 400	1 x 400
SBE-104-130	1770	1450	1170	7,0	1 x 300	1330	7	69	37	2 x 400	3 x 400	1 x 400
SBE-102-135	2420	1960	1560	7,2	1 x 350	2710	12	151	42	2 x 520	3 x 520	1 x 520
SBE-103-135	2880	2210	1770	9,1	1 x 350	2600	12	151	42	2 x 520	3 x 520	1 x 520
SBE-104-135	3230	2560	2050	10,9	1 x 350	2490	11	151	42	3 x 520	4 x 520	1 x 520
SBE-102-140	3030	2280	1830	8,5	1 x 400	3570	14	189	51	2 x 520	3 x 520	1 x 520
SBE-103-140	3530	2810	2210	10,6	1 x 400	3400	13	195	51	3 x 520	4 x 520	1 x 520
SBE-104-140	4000	3050	2450	12,7	1 x 400	3240	13	198	51	3 x 520	4 x 520	1 x 520
SBE-102-145	3970	3130	2400	10,6	1 x 450	4860	16	312	51	3 x 650	4 x 650	1 x 650
SBE-103-145	4610	3610	2860	13,2	1 x 450	4680	15	318	51	3 x 650	4 x 650	1 x 650
SBE-104-145	5320	4190	3280	15,9	1 x 450	4510	15	328	51	4 x 650	5 x 650	1 x 650
SBE-102-150	5090	4130	3310	13,0	1 x 500	7420	22	632	48	3 x 650	4 x 650	1 x 650
SBE-104-150	6930	5410	4350	19,5	1 x 500	6600	19	610	50	4 x 650	5 x 650	1 x 650
SBE-102-150L	5950	4670	3700	14,9	1 x 500	8030	24	605	49	3 x 800	4 x 800	1 x 800
SBE-104-150L	8070	6470	4970	22,3	1 x 500	7320	22	632	49	4 x 800	5 x 800	1 x 800
SBE-106-150L	9430	7750	6200	29,7	1 x 500	6740	20	640	50	4 x 800	5 x 800	1 x 800
SBE-101-230	2170	1760	1400	7,0	2 x 300	2970	9	128	39	1 x 800	2 x 800	1 x 800
SBE-102-230	2860	2090	1680	9,3	2 x 300	2870	9	130	39	2 x 800	3 x 800	1 x 800
SBE-104-230	3700	3000	2300	13,9	2 x 300	2660	8	137	40	3 x 800	4 x 800	1 x 800
SBE-102-235	4960	3950	3160	14,5	2 x 350	5430	13	302	45	2 x 1040	3 x 1040	1 x 1040
SBE-103-235	5780	4630	3690	18,1	2 x 350	5200	13	302	45	3 x 1040	4 x 1040	1 x 1040
SBE-104-235	6530	5180	4150	21,7	2 x 350	4990	12	302	45	3 x 1040	4 x 1040	1 x 1040
SBE-102-240	6110	4680	3720	16,9	2 x 400	7130	16	378	54	2 x 1040	3 x 1040	1 x 1040
SBE-103-240	6940	5540	4460	21,1	2 x 400	6800	15	390	54	2 x 1040	3 x 1040	1 x 1040
SBE-104-240	8030	6460	5160	25,4	2 x 400	6480	15	396	54	3 x 1040	4 x 1040	1 x 1040
SBE-102-245	8020	6280	5010	21,1	2 x 450	9720	18	624	54	3 x 1300	4 x 1300	1 x 1300
SBE-103-245	9480	7560	6110	26,4	2 x 450	9360	17	636	54	4 x 1300	5 x 1300	1 x 1300
SBE-104-245	10740	8490	6860	31,7	2 x 450	9010	17	656	54	4 x 1300	5 x 1300	1 x 1300
SBE-106-245	12750	10240	8220	42,3	2 x 450	8440	16	680	54	4 x 1300	5 x 1300	1 x 1300
SBE-104-250	13970	11020	8790	36,2	2 x 500	13200	22	1220	53	5 x 1300	6 x 1300	1 x 1300
SBE-104-250L	16300	13050	10570	44,6	2 x 500	14640	25	1264	52	5 x 1600	6 x 1600	1 x 1600
SBE-106-250L	19100	15600	12540	59,5	2 x 500	13480	23	1280	53	6 x 1600	7 x 1600	1 x 1600
SBE-101-330	3380	2730	2180	10,5	3 x 300	4460	10	192	41	2 x 1200	3 x 1200	1 x 1200
SBE-102-330	4160	3390	2710	13,9	3 x 300	4300	10	195	41	2 x 1200	3 x 1200	1 x 1200
SBE-104-330	5590	4530	3630	20,9	3 x 300	3990	9	206	42	3 x 1200	4 x 1200	1 x 1200
SBE-102-335	7460	5950	4770	21,7	3 x 350	8140	14	453	47	2 x 1600	3 x 1600	1 x 1600
SBE-103-335	8740	6870	5520	27,2	3 x 350	7800	14	453	47	3 x 1600	4 x 1600	1 x 1600
SBE-104-335	9830	7790	6250	32,6	3 x 350	7480	13	453	47	3 x 1600	4 x 1600	1 x 1600
SBE-102-340	9050	7360	5940	25,4	3 x 400	10700	17	567	56	2 x 1600	3 x 1600	1 x 1600
SBE-103-340	10720	8460	6840	31,7	3 x 400	10190	16	585	56	3 x 1600	4 x 1600	1 x 1600
SBE-104-340	12080	9650	7740	38,1	3 x 400	9730	16	594	56	3 x 1600	4 x 1600	1 x 1600
SBE-102-345	12060	9510	7680	31,7	3 x 450	14580	27	936	56	3 x 1950	4 x 1950	1 x 1950
SBE-104-345	15940	12830	10270	47,6	3 x 450	13520	25	954	56	4 x 1950	5 x 1950	1 x 1950
SBE-106-345	19170	15430	12480	63,4	3 x 450	12660	24	1020	56	4 x 1950	5 x 1950	1 x 1950
SBE-104-350	21020	16780	13570	54,4	3 x 500	19800	23	1830	55	5 x 1950	6 x 1950	1 x 1950
SBE-104-350L	24530	19440	15760	66,9	3 x 500	21960	26	1896	54	5 x 2400	6 x 2400	1 x 2400
SBE-106-350L	29170	23330	18910	89,2	3 x 500	20220	24	1920	55	6 x 2400	7 x 2400	1 x 2400
SBE-102-440	12350	9740	7890	33,8	4 x 400	14270	23	756	57	2 x 2080	3 x 2080	1 x 2080
SBE-104-440	16010	12990	10400	50,7	4 x 400	17500	27	792	57	3 x 2080	4 x 2080	1 x 2080
SBE-104-445	20190	16240	13190	58,6	4 x 450	18020	22	1312	57	4 x 2400	5 x 2400	1 x 2400
SBE-106-445	24300	18710	15010	78,1	4 x 450	16230	20	1360	57	4 x 2400	5 x 2400	1 x 2400
SBE-104-450	26320	20790	16800	66,9	4 x 500	25240	24	2440	56	5 x 2400	6 x 2400	1 x 2400
SBE-104-450L	32760	24530	21300	89,2	4 x 500	29280	27	2528	55	5 x 3200	6 x 3200	1 x 3200
SBE-106-450L	38820	29590	23430	119,0	4 x 500	26960	25	2560	56	6 x 3200	7 x 3200	1 x 3200

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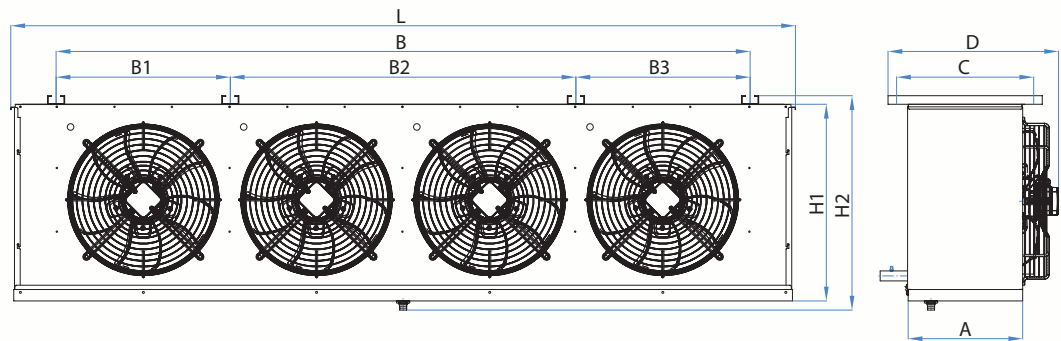
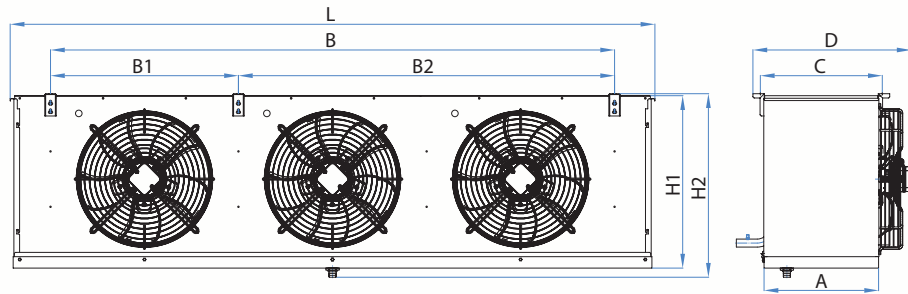
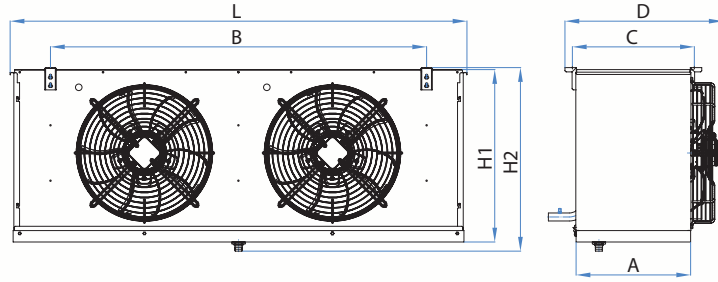
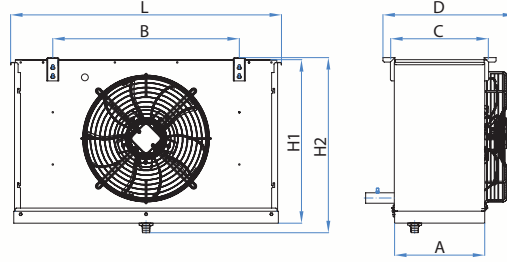
Kapasite ve Ölçüler

Capacity and Measures

Model	Ölçüler / Dimensions												Bağlantılar Connections	
	Boru Hacmi Tube Volume	Ağırlık Weight	L	H1	H2	D	A	B	B1	B2	B3	C	Giriş In	Çıkış Out
	l	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SBE-101-130	1.5	16	708	444	484	489	321	425	-	-	-	351	1/2"	5/8"
SBE-102-130	2.0	17	708	444	484	489	321	425	-	-	-	351	1/2"	5/8"
SBE-104-130	3.0	20	708	444	484	489	321	425	-	-	-	351	1/2"	22
SBE-102-135	3.1	24	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-103-135	3.9	26	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-104-135	4.7	35	828	524	564	529	361	545	-	-	-	391	1/2"	22
SBE-102-140	3.6	29	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-103-140	4.4	31	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-104-140	5.4	34	828	604	644	551	361	545	-	-	-	391	1/2"	22
SBE-102-145	4.5	35	958	604	644	571	401	675	-	-	-	431	1/2"	22
SBE-103-145	5.3	37	958	604	644	571	401	675	-	-	-	431	1/2"	22
SBE-104-145	6.8	40	958	604	644	571	401	675	-	-	-	431	1/2"	28
SBE-102-150	4.9	41	998	689	767	605	401	680	-	-	-	491	1/2"	28
SBE-104-150	7.8	47	998	689	767	605	401	680	-	-	-	491	1/2"	28
SBE-102-150L	6.0	46	1168	689	767	605	401	830	-	-	-	491	5/8"	28
SBE-104-150L	9.6	53	1168	689	767	605	401	830	-	-	-	491	5/8"	28
SBE-106-150L	12.0	63	1168	689	767	665	461	830	-	-	-	551	5/8"	28
SBE-101-230	2.8	24	1108	444	484	489	321	825	-	-	-	351	1/2"	22
SBE-102-230	4.0	27	1108	444	484	489	321	825	-	-	-	351	1/2"	22
SBE-104-230	6.0	31	1108	444	484	489	321	825	-	-	-	351	1/2"	28
SBE-102-235	6.2	48	1348	524	564	529	361	1065	-	-	-	391	1/2"	22
SBE-103-235	7.8	41	1348	524	564	529	361	1065	-	-	-	391	1/2"	28
SBE-104-235	9.3	44	1348	524	564	529	361	1065	-	-	-	391	1/2"	28
SBE-102-240	7.0	46	1348	604	644	551	361	1065	-	-	-	391	1/2"	28
SBE-103-240	9.1	50	1348	604	644	551	361	1065	-	-	-	391	1/2"	28
SBE-104-240	10.4	54	1348	604	644	551	361	1065	-	-	-	391	5/8"	28
SBE-102-245	9.1	56	1608	604	644	571	401	1325	-	-	-	431	1/2"	28
SBE-103-245	11.3	60	1608	604	644	571	401	1325	-	-	-	431	1/2"	28
SBE-104-245	13.6	66	1608	604	644	571	401	1325	-	-	-	431	5/8"	28
SBE-106-245	18.2	79	1608	604	644	631	461	1325	-	-	-	485	5/8"	28
SBE-104-250	15.6	76	1648	689	767	605	401	1330	-	-	-	491	5/8"	35
SBE-104-250L	19.2	88	1948	689	767	605	401	1630	-	-	-	491	5/8"	35
SBE-106-250L	25.5	106	1948	689	767	605	461	1630	-	-	-	551	5/8"	35
SBE-101-330	4.2	32	1508	444	484	489	321	1225	-	-	-	351	1/2"	22
SBE-102-330	5.4	35	1508	444	484	489	321	1225	-	-	-	351	1/2"	22
SBE-104-330	9.0	43	1508	444	484	489	321	1225	-	-	-	351	5/8"	28
SBE-102-335	9.3	51	1868	524	564	529	361	1585	-	-	-	391	1/2"	28
SBE-103-335	11.7	56	1868	524	564	529	361	1585	-	-	-	391	1/2"	28
SBE-104-335	14.0	61	1868	524	564	529	361	1585	-	-	-	391	5/8"	28
SBE-102-340	10.9	62	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-103-340	13.6	68	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-104-340	16.3	74	1868	604	644	551	361	1585	528	1057	-	391	5/8"	28
SBE-102-345	13.6	77	2258	604	654	571	401	1975	658	1317	-	431	5/8"	28
SBE-104-345	19.5	91	2258	604	654	571	401	1975	658	1317	-	431	5/8"	35
SBE-106-345	26.7	115	2258	604	654	631	461	1975	658	1317	-	485	22	42
SBE-104-350	23.3	105	2298	689	767	605	401	1980	660	660	660	491	5/8"	35
SBE-104-350L	28.7	124	2748	689	767	605	401	2430	660	660	660	491	22	42
SBE-106-350L	38.3	151	2748	689	767	665	461	2430	810	810	810	551	22	42
SBE-102-440	14.5	78.5	2388	604	644	551	361	2105	526	1053	526	391	5/8"	28
SBE-104-440	20.7	93.2	2388	604	644	551	361	2105	526	1053	526	391	5/8"	35
SBE-104-445	23.9	111.1	2708	604	654	571	401	2424	606	1212	606	431	22	42
SBE-106-445	33.5	137.5	2708	604	654	631	461	2424	606	1212	606	487	22	42
SBE-104-450	28.7	127.2	2748	689	767	605	401	2430	610	1210	610	491	22	42
SBE-104-450L	37.7	176.1	3548	689	767	605	401	3235	610	1210	610	491	22	42
SBE-106-450L	49.5	212.8	3548	689	767	665	461	3235	811	1613	811	551	22	42

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**SBE Serisi
Standart Oda
Soğutucuları**

SBE Series
Standard
Unit Coolers



Batarya	<ul style="list-style-type: none">• Bakır borular Ø1/2",• Fin malzemesi alüminyumdur,• Lamel arası 4-6-8-10 mm'dir,• Giriş – çıkış kolektör malzemesi bakırdır,• İzin verilen en yüksek çalışma basıncı $P_s=24$ Bar.
Kasetleme	<ul style="list-style-type: none">• Galvaniz çelik üzerine RAL 9016 (trafik beyazı) boyalıdır.
Fan	<ul style="list-style-type: none">• Düşük ses seviyeli ve bakım gerektirmeyen fanlar kullanılmaktadır,• Koruma sınıfı IP44/54, Monofaze 230V 1~ 50Hz,• Fan konstrüksiyonu izolasyon malzeme sınıfı F/B, çalışma sıcaklığı -30°C ile +40/+55°C arasındadır,• Uzun süreli bekleme durumları için fan motorları her ay 2 saat çalıştırılmalıdır,• Entegre edilmiş termistörler motor koruması için mutlaka kullanılmalıdır,• Düşük sıcaklıklarda ve hava direncinin değişmesi durumunda fanların çektikleri elektrik gücü artar.
Ses Özellikleri	<ul style="list-style-type: none">• Ses seviyeleri EN 13487'ye göre hesaplanmıştır.
Defrost	<ul style="list-style-type: none">• Kullanılan sıcaklığa bağlı olarak (+2°C/-5°C) HT veya (-2°C/-25°C) LT tip elektrikli defrost seçenekleri bulunmaktadır,• Sıcak gaz defrost hazırlığı (batarya ve tava kısmında sıcak gaz defrost borulaması opsiyoneldir),• Sulu defrost.
Kapasite	<ul style="list-style-type: none">• Nominal kapasiteler Eurovent (EN 328) standartları dikkate alınarak SC1-SC2-SC3-SC4 şartlarında R404A gazı için hesaplanmıştır,• Ürünlerin soğutma kapasiteleri oda sıcaklığı T_r ve evaporasyon sıcaklığının T_e farkına bağlı olarak değişir ($\Delta T = T_r - T_e$).
Seçenekler	<ul style="list-style-type: none">• Farklı dış kabin rengi,• Farklı boru et kalınlığı ve hatve,• Trifaze 400V 3~ 50Hz fan,• Katalogda belirtilmeyen özel ürünler için lütfen satış departmanı ile irtibata geçin.
Notlar	<ul style="list-style-type: none">• Montaj, Bakım - Taşıma ve Kaldırma detayları için kullanım Kılavuzuna başvurunuz.
Aksesuarlar	<ul style="list-style-type: none">• Bataryada ve tavada sıcak gaz defrost,• Yalıtım tavaşı,• Paslanmaz çelik kabin,• Epoxy boya,• Fan kablo rezistansı,• Drenaj hattı kablo rezistans.



Genel Özellikler

Specifications

Evaporator Coil	<ul style="list-style-type: none">• Copper tubes Ø1/2",• Fins made of aluminium,• Fin spacings are 4-6-8-10 mm,• Header inlet and outlet tube connections made of copper,• Admissible pressure $P_5=24$ Bar.
Casing	<ul style="list-style-type: none">• Galvanized steel sheet painted to RAL 9016 (traffic white).
Fans	<ul style="list-style-type: none">• Low-noise axial fans with maintenance free motors,• Protection class IP 44/54, single phase 230V 1~ 50Hz,• Construction insulation material class F/B, admissible temperature -30°C up to +40/+55°C,• In case of long periods of non operation the motors must be operated every month for 2 hours,• The integral thermo contacts (thermistors) must be used as motor protection,• At low ambient temperatures and different air resistance the power consumption will increase.
Sound Specifications	<ul style="list-style-type: none">• The sound pressure levels are calculated according to EN 13487.
Defrosting	<ul style="list-style-type: none">• Electrical defrost as HT for (+2°C/-5°C) or LT type for (-2°C/-25°C) as optional,• Hot gas defrosts without tubing inside of coil and drip tray, without non-return valve,• Water defrost.
Capacity	<ul style="list-style-type: none">• The nominal capacities calculated according to Eurovent (EN 328) standards that refer to SC1-SC2-SC3-SC4 conditions and are valid for R404A,• The refrigerating capacities refer to an air inlet temperature difference which results from the difference between cooler air inlet temperature T_r, evaporating temperature T_e and $\Delta T = T_r - T_e$.
Options	<ul style="list-style-type: none">• Different casing color,• Other tube wall thicknesses and fin spacing on request,• Three phase 400V 3~ 50Hz fan,• Please keep in touch with our sales department about your special needs that are not mentioned in the catalogue.
Notes	<ul style="list-style-type: none">• Please check our user manual for installation, maintenance – carrying and lifting details.
Accessories	<ul style="list-style-type: none">• Hot gas defrost in coil and drip tray,• Insulated drip tray,• Casing made of stainless steel,• Epoxy resin coated aluminium fins,• Fan cable heaters,• Drain line cable heater.



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CE ISO 9001:2008



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Hizmet Anlayışı

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Çevre Dostu
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Policy

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SBE SERIES STANDARD UNIT COOLERS

SBE Serisi Standart Oda Soğutucuları