

4,1 - 65 kW



## SBA Series Agriculture Unit Cooler





# SBA Series

Испарители серии SBA, специально созданные для хранения свежих фруктов и овощей, благодаря своей конструкции идеально оптимизированы для точного, регулируемого охлаждения и холодного хранения без потерь качества хранящейся продукции. Мощности рассчитаны для среднетемпературных камер в соответствии с условиями Tr:+2/Te:-3 в дополнение к условиям Eurovent SC2. Вы можете напрямую связаться с нашим отделом продаж для получения ваших предложений запросов и вопросов.

SBA Series evaporators which are created for fresh fruit and vegetable cold stores, functions perfectly without any quality loose on the stored fruits because of its special design. The capacities are calculated for room temperatures as Tr:+2/Te:-3 condition in addition to Eurovent SC2 condition. You can contact directly with our sales team for your quotations request and questions.



SBA-84-350-AD

## Product Classification

Agriculture Unit Cooler \_\_\_\_\_ **SBA-**

Fin Spacing \_\_\_\_\_ **8**

Coil Code \_\_\_\_\_ **4-**

Fans 3 pcs. x Ø 500mm. \_\_\_\_\_ **350-**

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Air defrost or without heaters \_\_\_\_\_ **AD**

Hot gas defrost \_\_\_\_\_ **GD**

Electric defrost for high temperature \_\_\_\_\_ **HT**

Electric defrost for low temperature \_\_\_\_\_ **LT**

Water defrost \_\_\_\_\_ **WD**

# SBA Series Agriculture Unit Cooler Capacity

Fin Spacing **8,0 mm**

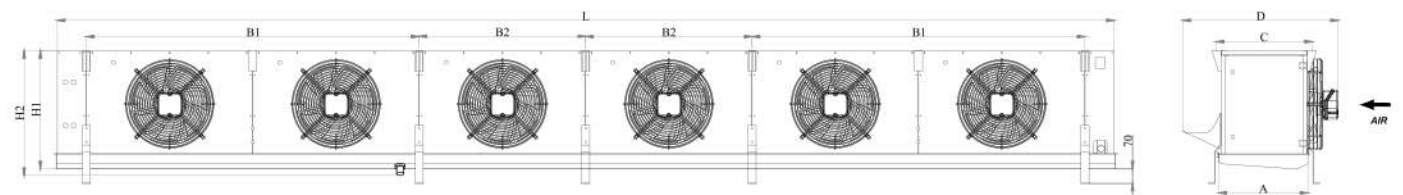
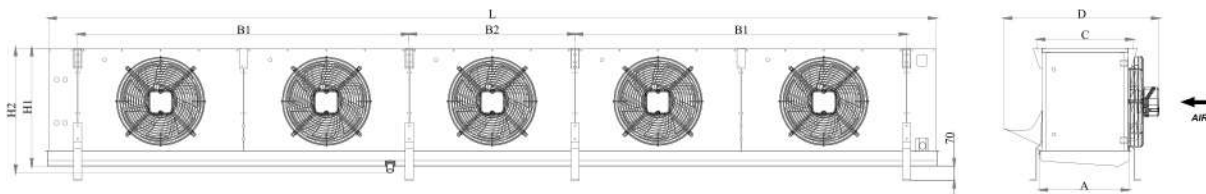
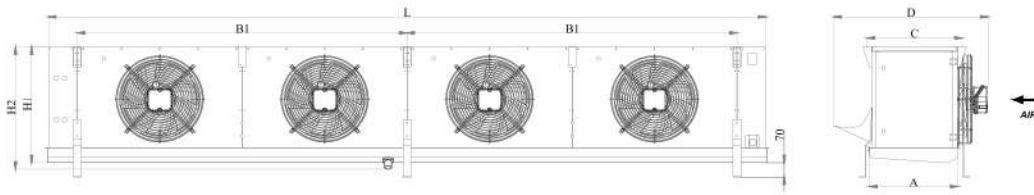
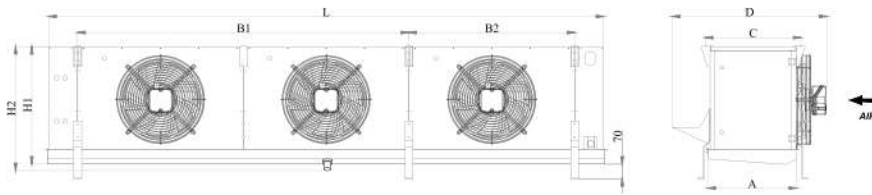
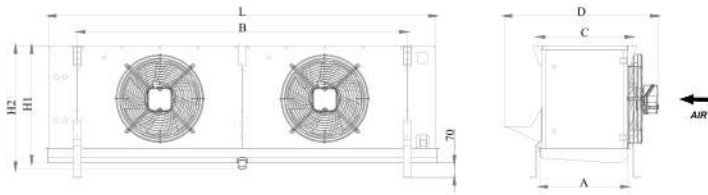
MODEL	Capacity		Heat Transfer Surface	FAN					Energy Efficiency Class	Electrical Defrost			
	+2/-3 To= +2°C Te= -3°C ΔT=5K	SC2 To= 0°C Te= -8°C ΔT=8K		Diameter	Air Flow	Air Throw	Power Input	Sound Pressure Level		HT	LT		
										Coil	Coil	Drip Tray	
	Watt	Watt		m <sup>2</sup>	mm	m <sup>3</sup> /h	m	Watt		Watt	Watt		
2x	SBA-81-240	4150	6320	38,2	400	7832	12	362	57	D	5x1350	6x1350	1x1350
	SBA-82-240	5240	7980	51,0	400	7495	11	372	57	C	6x1350	7x1350	1x1350
	SBA-81-245	5190	8000	46,9	450	10379	13	544	58	D	5x1600	6x1600	1x1600
	SBA-82-245	6680	9920	62,7	450	10039	13	560	58	D	6x1600	7x1600	1x1600
	SBA-84-245	9400	13500	94,1	450	9473	12	588	59	C	6x1600	7x1600	2x1600
	SBA-81-250	8000	12350	67,2	500	17435	19	1374	57	E	5x2100	6x2100	1x2100
	SBA-82-250	10090	15190	89,3	500	16794	18	1400	57	E	6x2100	7x2100	1x2100
	SBA-84-250	13820	20350	134,4	500	15638	17	1444	58	D	6x2100	7x2100	2x2100
	SBA-81-340	6170	9340	57,2	400	11749	13	543	59	D	5x2100	6x2100	1x2100
	SBA-82-340	7660	11630	75,9	400	11243	12	558	59	C	6x2100	7x2100	1x2100
	SBA-81-345	7830	11880	70,3	450	15568	14	816	60	D	5x2400	6x2400	1x2400
	SBA-82-345	10080	15300	94,1	450	15059	14	840	60	D	6x2400	7x2400	1x2400
	SBA-84-345	13430	19820	140,7	450	14210	13	882	61	C	6x2400	7x2400	2x2400
	SBA-81-350	12060	18440	100,8	500	26152	20	2061	59	E	5x3000	6x3000	1x3000
	SBA-82-350	15160	23180	133,9	500	25191	19	2100	59	E	6x3000	7x3000	1x3000
	SBA-84-350	20790	30680	201,6	500	23457	18	2166	60	D	6x3000	7x3000	2x3000
	SBA-81-440	8230	12380	76,2	400	15665	14	724	60	D	5x2400	6x2400	1x2400
	SBA-82-440	10530	15850	101,9	400	14990	13	744	60	C	6x2400	7x2400	1x2400
	SBA-81-445	10580	16070	94,1	450	20757	15	1088	61	D	5x3220	6x3220	1x3220
	SBA-82-445	13350	20270	125,2	450	20078	15	1120	61	D	6x3220	7x3220	1x3220
	SBA-84-445	18230	27670	188,1	450	18946	14	1176	62	C	6x3220	7x3220	2x3220
	SBA-81-450	16020	24790	134,4	500	34869	22	2748	60	E	5x3240	6x3240	1x3240
	SBA-82-450	20450	31590	179,2	500	33588	21	2800	60	E	6x3240	7x3240	1x3240
	SBA-84-450	27760	41010	268,7	500	31275	20	2888	61	D	6x3240	7x3240	2x3240
	SBA-81-540	10320	15680	94,1	400	19521	15	910	61	D	5x3220	6x3220	1x3220
	SBA-82-540	13050	19780	125,4	400	18648	14	930	61	C	6x3220	7x3220	1x3220
	SBA-81-545	13140	19360	117,6	450	25947	16	1360	62	D	5x3240	6x3240	1x3240
	SBA-82-545	16590	24440	156,4	450	25098	16	1400	62	D	6x3240	7x3240	1x3240
	SBA-84-545	22690	33630	235,2	450	23683	15	1470	63	C	6x3240	7x3240	2x3240
	SBA-81-550	22350	33520	165,8	500	42063	23	3500	61	E	5x4000	6x4000	1x4000
	SBA-82-550	27760	41600	220,0	500	40149	22	3575	61	E	6x4000	7x4000	1x4000
	SBA-84-550	37280	56130	331,5	500	36594,1	20	3690	62	D	6x4000	7x4000	2x4000
	SBA-81-640	12640	18640	117,5	400	23605,5	16	1086	62	D	5x3240	6x3240	1x3240
	SBA-82-640	15870	23400	156,4	400	22666	16	1110	62	C	6x3240	7x3240	1x3240
	SBA-81-645	17570	26580	139,2	450	30169,2	17	1674	63	D	5x3900	6x3900	1x3900
	SBA-82-645	21940	33200	185,2	450	29045,9	17	1734	63	C	6x3900	7x3900	1x3900
	SBA-84-645	29060	44210	278,5	450	26903,8	16	1824	64	C	6x3900	7x3900	2x3900
	SBA-81-650	26740	41370	198,9	500	50475,4	25	4200	62	E	5x4800	6x4800	1x4800
	SBA-82-650	33580	52100	265,2	500	48178,6	24	4290	62	D	6x4800	7x4800	1x4800
	SBA-84-650	44360	65010	397,8	500	43912,9	22	4428	63	D	6x4800	7x4800	2x4800

**Not:** Yukarıda belirtilen kapasiteler 50 Hz elektrik beslemesine göre dir. 60 Hz olması durumunda kapasiteler için, satış ekibimize iletişime geçebilirsiniz.  
The given capacities are mentioned above, according to 50 Hz power supply. In case of 60 Hz, please contact with our sales team for capacities.

## Measures

MODEL	Dimensions											Connections		
	Tube Volume	Weight	L	H1	H2	D	A	B	B1	B2	C	Refrigerant		Drain
												Inlet	Outlet	Out
	l	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm Ø	mm Ø	Inch
SBA-81-240	6,8	59	1692	633	675	848	495	1300	---	---	537	12,7	22	1" G
SBA-82-240	9,1	67	1692	633	675	848	495	1300	---	---	537	12,7	28	1" G
SBA-81-245	8,0	71	1992	633	675	868	535	1600	---	---	577	12,7	28	1" G
SBA-82-245	11,2	80	1992	633	675	868	535	1600	---	---	577	15,9	28	1" G
SBA-84-245	16,8	105	1992	633	675	1008	675	1600	---	---	717	15,9	35	1" G
SBA-81-250	12,0	87	2392	713	755	873	535	2000	---	---	577	15,9	35	1 1/4" G
SBA-82-250	15,0	96	2392	713	755	873	535	2000	---	---	577	15,9	35	1 1/4" G
SBA-84-250	23,9	130	2392	713	755	1013	675	2000	---	---	717	22	42	1 1/4" G
SBA-81-340	9,7	80	2342	633	675	848	495	1950	650	1300	537	15,9	28	1" G
SBA-82-340	12,2	91	2342	633	675	848	495	1950	650	1300	537	15,9	35	1" G
SBA-81-345	12,0	98	2792	633	675	868	535	2400	800	1600	577	15,9	35	1 1/4" G
SBA-82-345	16,8	112	2792	633	675	868	535	2400	800	1600	577	15,9	35	1 1/4" G
SBA-84-345	23,9	145	2792	633	675	1008	675	2400	800	1600	717	22	42	1 1/4" G
SBA-81-350	18,0	135	3392	713	755	873	535	3000	1000	2000	577	22	42	1 1/4" G
SBA-82-350	22,4	152	3392	713	755	873	535	3000	1000	2000	577	22	42	1 1/4" G
SBA-84-350	35,9	201	3392	713	755	1013	675	3000	1000	2000	717	28	54	1 1/4" G
SBA-81-440	13,0	105	2992	633	675	848	495	2600	650	1300	537	15,9	35	1 1/4" G
SBA-82-440	18,2	122	2992	633	675	848	495	2600	650	1300	537	15,9	35	1 1/4" G
SBA-81-445	16,8	140	3592	633	675	868	535	3200	800	1600	577	15,9	35	1 1/4" G
SBA-82-445	21,5	158	3592	633	675	868	535	3200	800	1600	577	22	42	1 1/4" G
SBA-84-445	33,5	207	3592	633	675	1008	675	3200	800	1600	717	22	54	1 1/4" G
SBA-81-450	23,9	212	4392	713	755	873	535	4000	1000	2000	577	22	42	2x1 1/4" G
SBA-82-450	31,9	231	4392	713	755	873	535	4000	1000	2000	577	28	54	2x1 1/4" G
SBA-84-450	47,9	303	4392	713	755	1013	675	4000	1000	2000	717	28	54	2x1 1/4" G
SBA-81-540	16,8	155	3592	633	675	848	495	3200	640	1280	537	15,9	35	1 1/4" G
SBA-82-540	22,3	174	3592	633	675	848	495	3200	640	1280	537	22	42	1 1/4" G
SBA-81-545	20,9	193	4392	633	675	868	535	4000	800	1600	577	15,9	42	2x1 1/4" G
SBA-82-545	26,9	215	4392	633	675	868	535	4000	800	1600	577	22	42	2x1 1/4" G
SBA-84-545	41,9	279	4392	633	675	1008	675	4000	800	1600	717	22	54	2x1 1/4" G
SBA-81-550	47,4	290	5392	713	755	873	535	5000	1000	2000	577	28	54	2x1 1/4" G
SBA-82-550	59,2	318	5392	713	755	873	535	5000	1000	2000	577	28	54	2x1 1/4" G
SBA-84-550	94,7	420	5392	713	755	1013	675	5000	1000	2000	717	28	54	2x1 1/4" G
SBA-81-640	20,6	188	4392	633	675	848	495	4000	667	1334	537	15,9	42	2x1 1/4" G
SBA-82-640	26,5	210	4392	633	675	848	495	4000	667	1334	537	22	42	2x1 1/4" G
SBA-81-645	39,8	272	5192	633	675	868	535	4800	800	1600	577	15,9	54	2x1 1/4" G
SBA-82-645	51,1	314	5192	633	675	868	535	4800	800	1600	577	22	54	2x1 1/4" G
SBA-84-645	79,6	418	5192	633	675	1008	675	4800	800	1600	717	22	54	2x1 1/4" G
SBA-81-650	56,8	342	6392	713	755	873	535	6000	1000	2000	577	28	54	2x1 1/4" G
SBA-82-650	75,8	375	6392	713	755	873	535	6000	1000	2000	577	28	54	2x1 1/4" G
SBA-84-650	113,7	496	6392	713	755	1013	675	6000	1000	2000	717	35	66	2x1 1/4" G

# Technical Drawing



## Specifications

### Evaporator Coil

- Copper tubes Ø1/2", Ø5/8,
- Fins made of aluminium,
- Fin spacing is 8 mm,
- Header inlet and outlet tube connections made of copper,
- Admissible pressure  $P_s=24$  Bar.

### Casing

- Galvanized steel sheet painted to RAL-7035 (light grey)

### Fans

- Low-noise axial fans with maintenance free motors,
- Protection class IP44/54, Single phase 230V 1~ 50Hz,
- Constructions 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

- The sound pressure levels are calculated according to EN 13487.

### Defrosting

- Electrical defrost as HT for (+2°C/-5°C) or LT 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

- The nominal capacities calculated according to Eurovent (EN 328) standards that refer to (+2°C/-3°C) - SC2 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

- 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

- Please check our user manual for installation, maintenance, carrying and lifting details.

### Accessories

- 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