

کاتالوگ محصولات

کولر گازی صنعتی

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# BENTLY

سیستم های تهویه با قابلیت نصب بر روی سقف تابلو برق

Catalog of BENTLY  
industrial air conditioner products

Cooling units for installation on the roof  
of the electrical panel

**ATTENTION!**

Read carefully and completely before installation.

**Keep the manual until unit decommissioning**

شرکت مانا صنعت

آذربایجان شرقی، تبریز، بعد از پلیس راه تهران، شهرک عالی نسب

مشتری عزیز،

از اینکه شما کولر خنک کننده صنعتی شرکت **مانا صنعت** را انتخاب کرده اید متشکریم.

این محصول نتیجه سالها تحقیق و بررسی، طراحی همراه با جستجوی تجهیزات مرغوب و فن آوری بالا و به روز برای به دست آوردن کولر با **کیفیت بالا** است. سطح کیفیت به طور مداوم در هر مرحله، از طراحی تا تولید، کنترل می شود و محصولات بنتلی را مترادف با کیفیت، ایمنی و زیبایی می کند.

**Dear Customer,**

Thank you for having purchased a BENTLY industrial enclosure cooler.

It is the result of decades of research and design studies, with a fine search of materials and technologies to obtain a high quality enclosure cooler.

The level of quality is constantly inspected at every process, from step of design to production, producing the BENTLY products synonymous of more safety and quality

# **BENTLY ENCLOSURE COOLERS**

## ***Guide pages***

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# BR700 Enclosure Air Conditioner

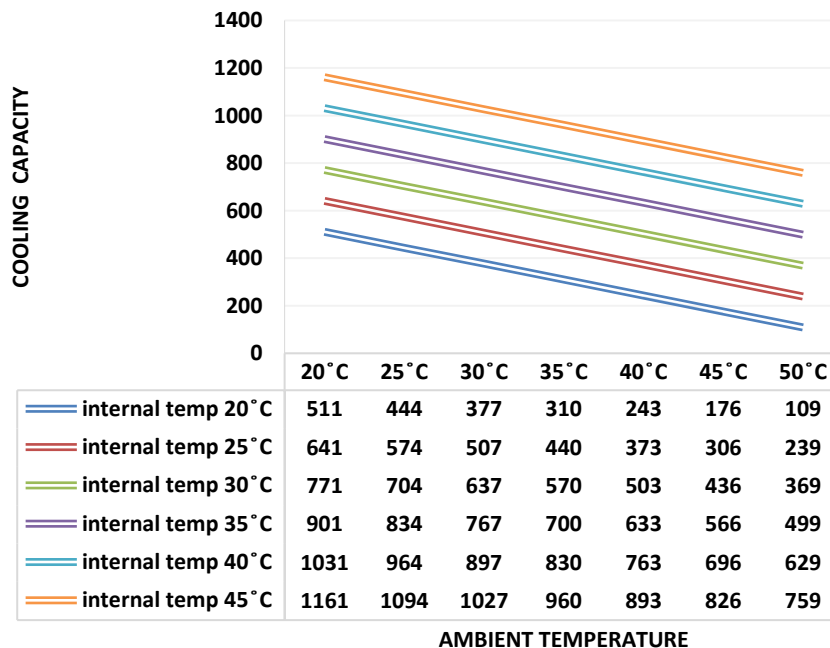
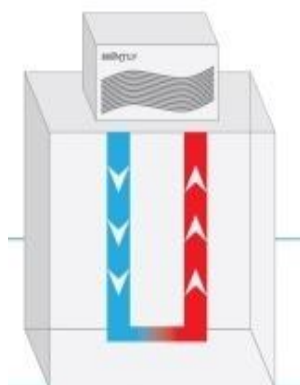
## Roof Mounted



### Technical Specifications

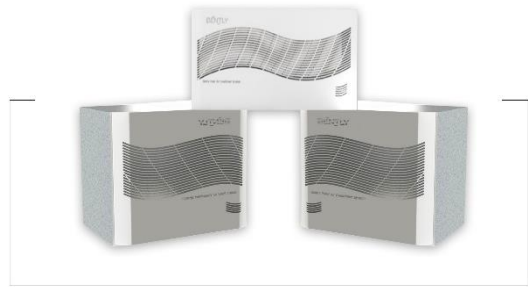
Model	Br700
Type	Roof mounted
Cooling capacity I35 I35	700 Watt
Type of refrigerant	R 134
Amount of refrigerant	650 g
Rated frequency	50/60 Hz
Standard power supply	198 V-252 V
Power absorbed L35 L35	690 W
Compressor	DANFOSS/EMBRACO
Ambient temperature range	+15°C ...+55°C
internal circuit (m3/h)	240
Internal fan type	Backward
External circuit (m3/h)	490
External fan type	Axial
Control range	+30°C ...+45°C
Factory setting	+30°C
Condensation discharge	Condensate drain
Weight	40 kg
H × W × D (mm)	450 × 600 × 300
IP	54

## BR700

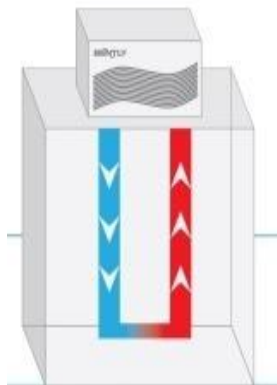


# BR1000 Enclosure Air Conditioner

## Roof Mounted

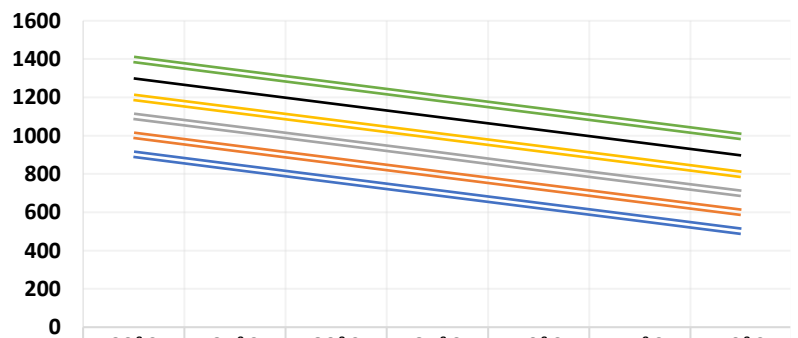


Technical Specifications	Model	Br1000
	Type	Roof mounted
	Cooling capacity I35 I35	1000 Watt
	Type of refrigerant	R134a
	Amount of refrigerant	650 g
	Rated frequency	50/60 Hz
	Standard power supply	198 V-252 V
	Power absorbed L35 L35	690 W
	Compressor	DANFOSS/EMBRACO
	Ambient temperature range	+15 °C ...+55 °C
	internal circuit (m3/h)	490
	Internal fan type	Backward
	External circuit (m3/h)	780
	External fan type	Axial
	Control range	+30 ° ...+45 °C
	Factory setting	+30 °C
	Condensation discharge	Condensate drain
	Weight	40 kg
	H × W × D (mm)	470 × 600 × 350
	IP	54



COOLING CAPACITY

## BR1000

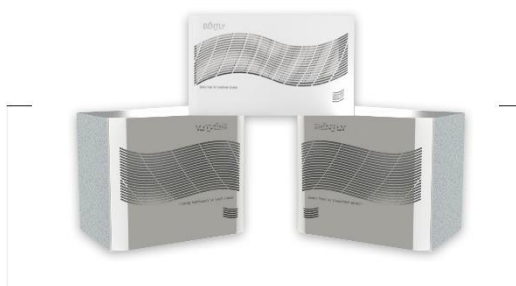


	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C	50 °C
— internal temp 20 °C	903	836	769	702	635	568	501
— internal temp 25 °C	1002	935	868	801	734	667	600
— internal temp 30 °C	1101	1034	967	900	833	766	699
— internal temp 35 °C	1200	1133	1066	999	932	865	798
— internal temp 40 °C	1299	1232	1165	1098	1031	964	897
— internal temp 45 °C	1398	1331	1264	1197	1130	1063	996

AMBIENT TEMPERATURE

# BR2000 Enclosure Air Conditioner

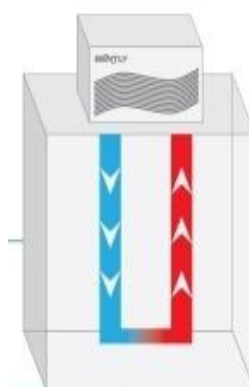
## Roof Mounted



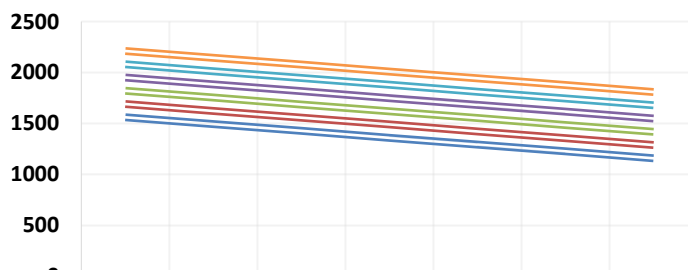
Technical Specifications

Model	Br2000
Type	Roof mounted
Cooling capacity I35 I35	1700 Watt
Type of refrigerant	R134a
Amount of refrigerant	750 g
Rated frequency	50/60 Hz
Standard power supply	198 V-252 V
Power absorbed L35 L35	890 W
Compressor	DANFOSS/EMBRACO
Ambient temperature range	+15 °C ...+55 °C
internal circuit (m3/h)	520
Internal fan type	Backward
External circuit (m3/h)	780
External fan type	Axial
Control range	+30 ° ...+45 °C
Factory setting	+35 °C
Condensation discharge	Condensate drain
Weight	55 kg
H × W × D (mm)	470 × 700 × 350
IP	54

### BR2000



COOLING CAPACITY

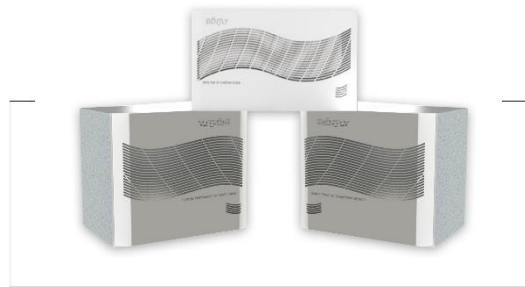


	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C	50 °C
— internal temp 20 °C	1561	1494	1427	1360	1293	1226	1159
— internal temp 25 °C	1691	1624	1557	1490	1423	1356	1289
— internal temp 30 °C	1821	1754	1687	1620	1553	1486	1419
— internal temp 35 °C	1951	1884	1817	1750	1683	1616	1549
— internal temp 40 °C	2081	2014	1947	1880	1813	1746	1679
— internal temp 45 °C	2211	2144	2077	2010	1943	1876	1809

AMBIENT TEMPERATURE

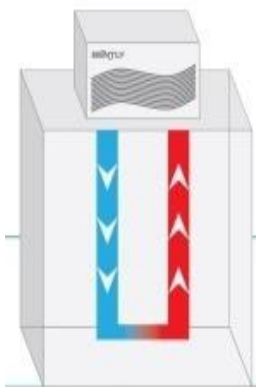
# BR3000 Enclosure Air Conditioner

## Roof Mounted

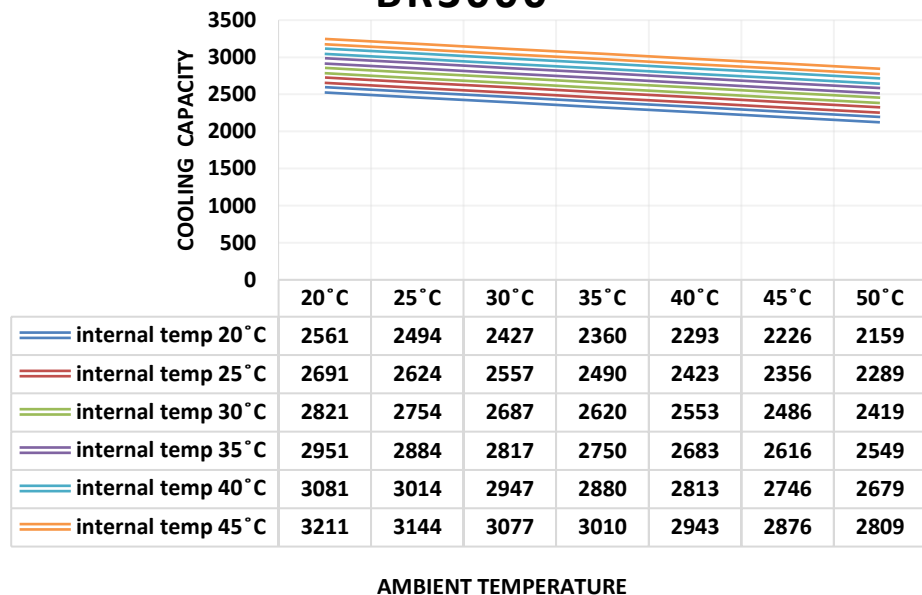


Technical Specifications

Model	Br3000
Type	Roof mounted
Cooling capacity I35 I35	2700 Watt
Type of refrigerant	R134a
Amount of refrigerant	800 g
Rated frequency	50/60 Hz
Standard power supply	198 V-252 V
Power absorbed L35 L35	1200 W
Compressor	DANFOSS/EMBRACO
Ambient temperature range	+15 °C ...+55 °C
internal circuit (m3/h)	810
Internal fan type	Backward
External circuit (m3/h)	960
External fan type	Axial
Control range	+30 ° ...+45 °C
Factory setting	+35 °C
Condensation discharge	Condensate drain
Weight	63 kg
H × W × D (mm)	500 × 750 × 400
IP	54

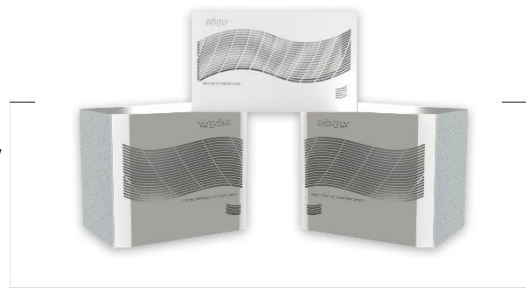


### BR3000



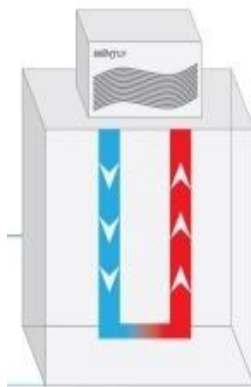
# BR4000 Enclosure Air Conditioner

## Roof Mounted

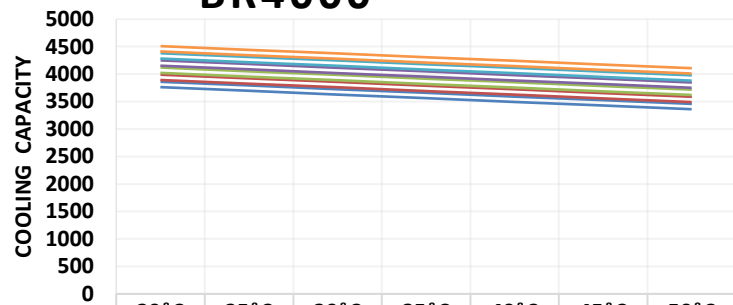


Technical Specifications

Model	Br4000
Type	Roof mounted
Cooling capacity I35 I35	4000 Watt
Type of refrigerant	R134a
Amount of refrigerant	1100 g
Rated frequency	50/60 Hz
Standard power supply	198 V-252 V
Power absorbed L35 L35	1870 W
Compressor	KALTHORN
Ambient temperature range	+15 °C ...+55 °C
internal circuit (m3/h)	1400
Internal fan type	Backward
External circuit (m3/h)	2.00
External fan type	Axial
Control range	+30 °C ...+45 °C
Factory setting	+35 °C
Condensation discharge	Condensate drain
Weight	11 kg
H × W × D (mm)	500 × 800 × 450
IP	54



### BR4000



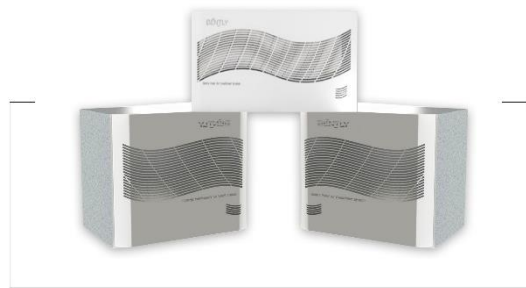
	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C	50 °C
— internal temp 20 °C	3811	3744	3677	3610	3543	3476	3409
— internal temp 25 °C	3941	3874	3807	3740	3673	3606	3539
— internal temp 30 °C	4071	4004	3937	3870	3803	3736	3669
— internal temp 35 °C	4201	4134	4067	4000	3933	3866	3799
— internal temp 40 °C	4331	4264	4197	4130	4063	3996	3929
— internal temp 45 °C	4461	4394	4327	4260	4193	4126	4059

AMBIENT TEMPERATURE



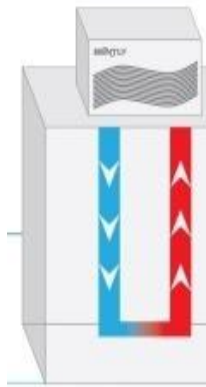
# BR5000 Enclosure Air Conditioner

## Roof Mounted



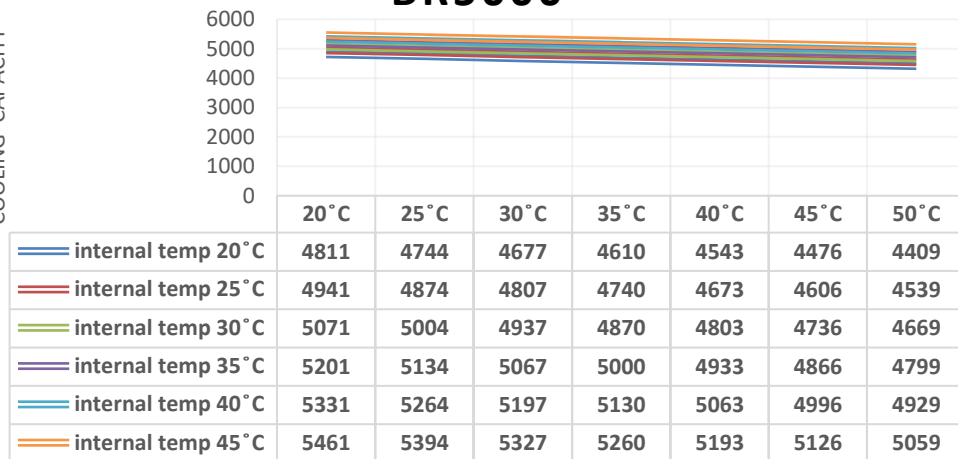
Technical Specifications

Model	BR5000
Type	Roof mounted
Cooling capacity I35 I35	5000 watt
Type of refrigerant	R22
Amount of refrigerant	1100 g
Rated frequency	50/60 Hz
Standard power supply	198 V-252 V
Power absorbed L35 L35	2250 W
Compressor	kulthorn
Ambient temperature range	+15 °C ...+55 °C
internal circuit (m3/h)	1500
Internal fan type	Backward
External circuit (m3/h)	2030
External fan type	Axial
Control range	+30 ° ...+45 ° C
Factory setting	+35 ° C
Condensation discharge	Condensate drain
Weight	80 kg
H × W × D (mm)	650 × 900 × 470
IP	54



COOLING CAPACITY

### BR5000



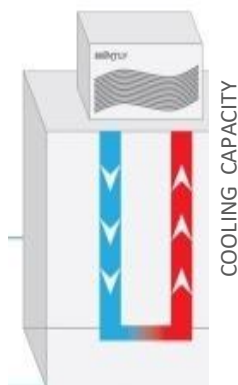
AMBIENT TEMPERATURE

# BR6000 Enclosure Air Conditioner

## Roof Mounted

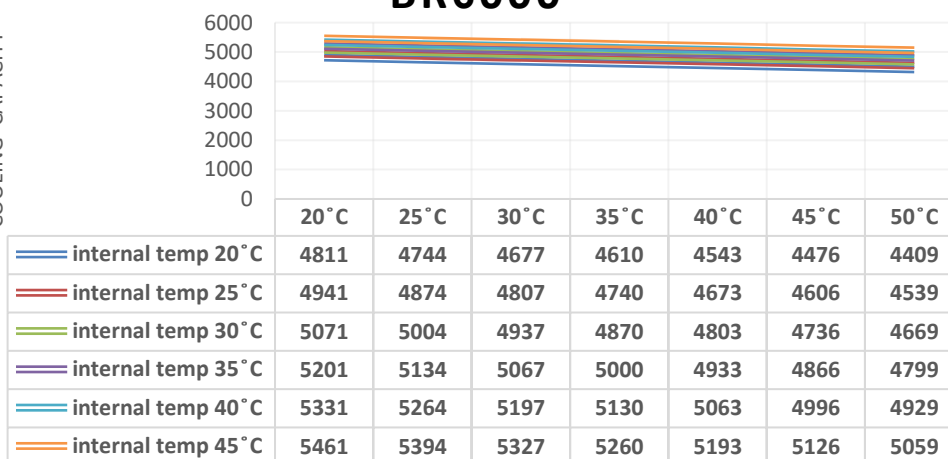


Technical Specifications	Model	BR6000
	Type	Roof mounted
	Cooling capacity I35 I35	6000 watt
	Type of refrigerant	R22
	Amount of refrigerant	1150 g
	Rated frequency	50/60 Hz
	Standard power supply	198 V-252 V
	Power absorbed L35 L35	2250 W
	Compressor	kulthorn
	Ambient temperature range	+15 °C ...+55 °C
	internal circuit (m3/h)	1550
	Internal fan type	Backward
	External circuit (m3/h)	2100
	External fan type	Axial
	Control range	+30 ° ...+45 °C
	Factory setting	+35 °C
	Condensation discharge	Condensate drain
	Weight	^V kg
	H × W × D (mm)	650 × 960 × 470
IP	54	



COOLING CAPACITY

### BR6000



AMBIENT TEMPERATURE