

# UNIBLOCK DB-O

**Type:** Horizontal bi-block unit for small and medium volume rooms, with compact evaporator (DB-O 121-123-221-135) and cubic evaporator (DB-O 235-335-340).

**Power:**

**DB-O 121-123-221-135:**

Medium temperature: 1088 ÷ 3747 Watt (7 ÷ 38 m<sup>3</sup>) Low temperature: 720 ÷ 2453 (3 ÷ 21m<sup>3</sup>).

**DB-O 235-335-340:**

Medium temperature: 5224 ÷ 14500 Watt (77 ÷ 269 m<sup>3</sup>) Low temperature: 4245 ÷ 12352 (62 ÷ 279 m<sup>3</sup>).

**Installation:** condensing part on floor (or on support) outside room; evaporating part on ceiling inside room.

**STANDARD CHARACTERISTICS**

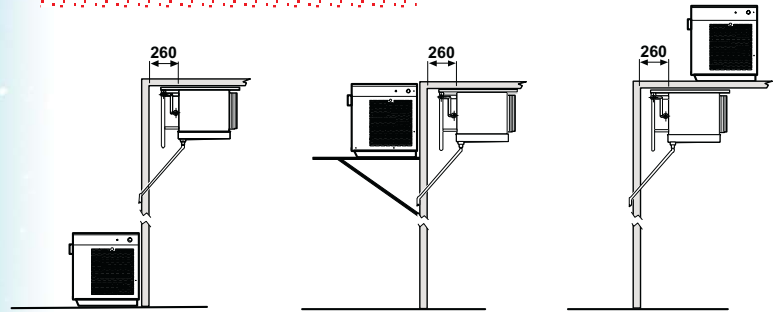
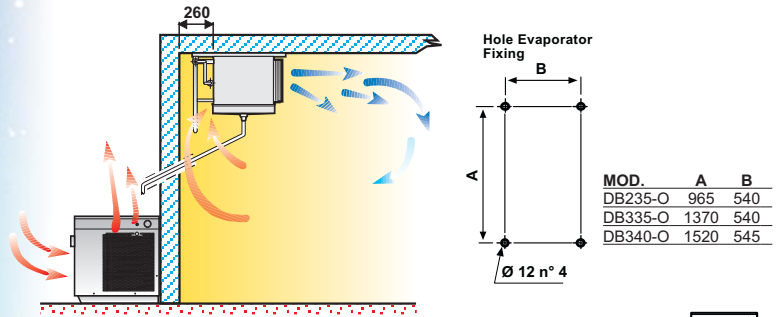
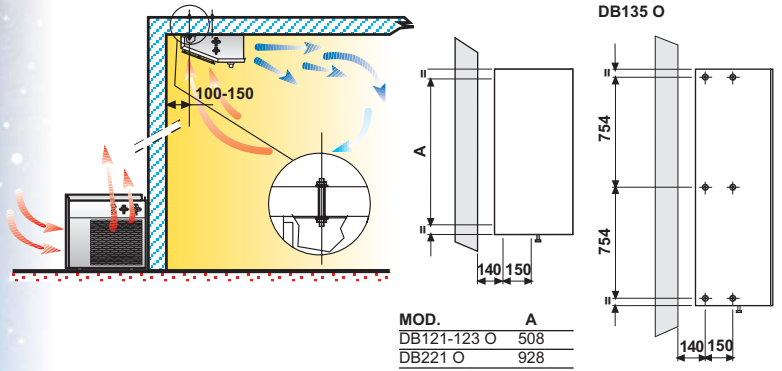
- Hermetic compressor
- Expansion with thermostatic valve
- Cyclic electric defrost
- Condensation runoff
- Speed regulator
- Preload of refrigerant
- Built-in electric panel
- Electronic command station
- Remote control panel (with cable L = 5 m)
- Liquid sight-glass
- Liquid receiver

**OPTIONS**

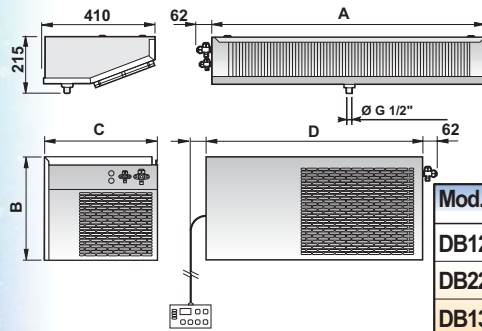
- Water condensing
- Kit for use of units in outside environment, including: pressure switch or condenser fans speed variator, compressor preheat resistance
- Different voltage
- Power supply control monitor.



**CEILING-MOUNTED (evaporating unit)**  
**FLOOR-MOUNTED (condensing unit)**

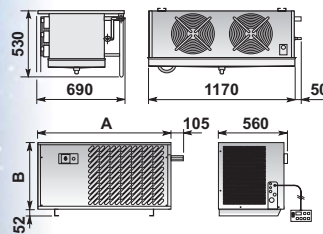


**DIMENSIONS**



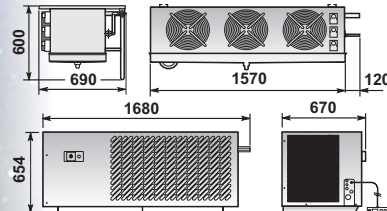
Mod./mm.	A	B	C	D
DB121-123 O	614	357	337	620
DB221-O	1034	390	427	820
DB135-O	1614	427	427	820

**DB235-O**

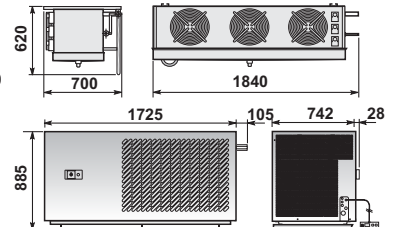


Mod.	A	B
MDB235NO02F	1075	542
MDB235TO02F	1075	542
BDB235NO02F	1075	542
BDB235TO02F	1575	602

**DB335-O**



**DB340-O**





UNIT	Voltage			Nominal absorption		Weight CU+EU	COMPRESSOR		CONDENSER		EVAPORATOR		REFRIGERATING CAPACITY (Watt)			
	V/Ph/Hz	KW	A	kg	kw		Type	Nominal horsepower	Air volume	m <sup>3</sup> /h	Air volume	Air throw*	T. ext. 35°C		T. ext. 40°C	
						Coldroom temp.							Coldroom temp.			
												0°C	-20°C	0°C	-20°C	
<b>MEDIUM TEMPERATURE</b>																
<b>MDB121TO02F</b>	230/1~/50	0.7	4.3	43+13	E	0.43		750	600	4		1088	-	1013	-	
<b>MDB123TO02F</b>	230/1~/50	0.8	5	43+13	E	0.5		750	600	4		1264	-	1194	-	
<b>MDB221NO02F</b>	230/1~/50	1	6.3	59+19	E	0.75		1400	1200	4		1854	-	1699	-	
<b>MDB221TO02F</b>	400/3N~/50	1.5	4.3	61+19	E	0.92		1400	1200	4		2108	-	1973	-	
<b>MDB135NO02F</b>	400/3N~/50	1.9	5.4	69+28	E	1.5		1500	1800	4		3265	-	3004	-	
<b>MDB135TO02F</b>	400/3N~/50	2.3	6.2	70+28	E	1.5		1500	1800	4		3747	-	3473	-	
<b>MDB235NO02F</b>	400/3N~/50	2.6	6.4	102+53	E	1.5		3100	4600	11		5224	-	4815	-	
<b>MDB235TO02F</b>	400/3N~/50	3.2	7.4	104+53	E	2.2		3100	4600	11		5971	-	5523	-	
<b>MDB335NO02F</b>	400/3N~/50	4.1	10.4	158+84	E	2.2		4100	6800	11		7926	-	7399	-	
<b>MDB335TO02F</b>	400/3N~/50	5.3	11.6	159+84	E	3		7000	6400	11		10049	-	9348	-	
<b>MDB340NO02F</b>	400/3N~/50	6.6	17.2	195+102	E	3.7		8100	8400	13		12626	-	11691	-	
<b>MDB340TO02F</b>	400/3N~/50	7.6	19.2	220+102	E	5.5		8100	8000	12		14489	-	13411	-	
<b>LOW TEMPERATURE</b>																
<b>BDB121NO02F</b>	230/1~/50	0.8	4.8	45+13	E	0.75		750	600	4		-	720	-	680	
<b>BDB121TO02F</b>	230/1~/50	0.7	4.5	50+13	E	1.1		750	600	4		-	917	-	868	
<b>BDB123TO02F</b>	230/1~/50	0.9	5.5	50+13	E	1.3		750	600	4		-	1234	-	1177	
<b>BDB221NO02F</b>	230/1~/50	1	6.1	61+19	E	1.3		1400	1200	4		-	1425	-	1343	
<b>BDB221TO02F</b>	400/3N~/50	2.1	5.7	69+19	E	1.5		1400	1200	4		-	1681	-	1596	
<b>BDB135NO02F</b>	400/3N~/50	2.3	6.3	72+28	E	1.5		1500	1800	4		-	2102	-	1913	
<b>BDB135TO02F</b>	400/3N~/50	1.9	5.5	78+28	E	2.2		1500	1800	4		-	2453	-	2294	
<b>BDB235NO02F</b>	400/3N~/50	4.1	9.3	120+53	E	3.7		3100	4600	11		-	4245	-	3835	
<b>BDB235TO02F</b>	400/3N~/50	5.5	12.5	187+53	E	3.7		4100	4600	11		-	5297	-	4814	
<b>BDB335NO02F</b>	400/3N~/50	6.1	13.2	189+84	E	5.5		7000	6800	11		-	7036	-	6393	
<b>BDB335TO02F</b>	400/3N~/50	7.7	16.2	190+84	E	7.5		7000	6400	11		-	8435	-	7679	
<b>BDB340NO02F</b>	400/3N~/50	9.4	22.7	273+102	S	7.5		8100	8400	13		-	10152	-	9434	
<b>BDB340TO02F</b>	400/3N~/50	10.7	25.2	326+102	S	9.2		8100	8000	12		-	12352	-	11453	

**E** = Hermetic compressor

**S** = Semihermetic compressor

**CU** = Condensing unit

**EU** = Evaporating unit

\* = Use "air throw" as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.