ZANOTTI
a member of DAIKIN group

DB-O

Split units suitable for outdoor installation and for small-medium cold rooms

- Condensing unit for floor or roof installation and evaporator for ceiling mounting
- Thermostatic expansion valve for an optimal refrigerant flow rate and for higher energy efficiency
- Extremely quick mounting thanks to the quick coupling joints
- Reduced installation times and costs
- Best surface-capacity ratio

High level of flexibility for its installation

The DB-O units are split-type machines suitable for outdoor installation and designed to meet the requirements of storing goods inside small-medium rooms.

The DB-O series consists of 2 lines: MDB for positive temperatures (max 222m^3 at Tc= +0°C, Tamb= +30°C) and BDB for low temperatures (max 295m^3 at Tc= -20°C, Tamb= +30°C).

The DB-O range is extremely versatile and can satisfy a wide range of user requirements.

The split structure allows the assembly of evaporator and condenser separately, which ensures that the user has a choice of flexible installation, overcoming all the problems deriving from the lack of space that might prevent the mounting of the monoblock on the room wall.

The condensing unit, equipped with hermetic compressor or semi-hermetic compressor, is protected by a resistant pre-painted sheet steel body which preserves the machine against atmospheric agents.

The evaporating section, equipped with a thermostatic expansion valve, takes its position on the ceiling of the room.

The small DB-O units use slim ceiling evaporators.

The large DB-O units use cubic evaporators with a variable number of fans, expanding the choice options and allowing a more effective and customized design of the system.

The DB-O units are supplied ready to use, already tested, precharged with refrigerant and equipped with automatic electrical defrosting system.

The large units are provided with condenser fan speed variator and compressor crankcase heater, elements that optimize operation in an outdoor environment.

The DB-O functions are easily programmable thanks to a controller installed on the electrical panel, with a user-friendly interface to set all the desired parameters.

A wall-mounted remote control panel completes the standard equipment making the DB-O series a product highly efficient, highly customizable, with fast and flexible installation.

Standard configuration

- Hermetic compressor or semi-hermetic compressor
- Remote electronic control panel
- Expansion through thermostatic expansion valve
- Filter and sight glass on the liquid line
- Condensing unit charged with refrigerant
- Evaporator under nitrogen pressure
- Drain heater
- High and low pressure switches

Personalization options and accessories

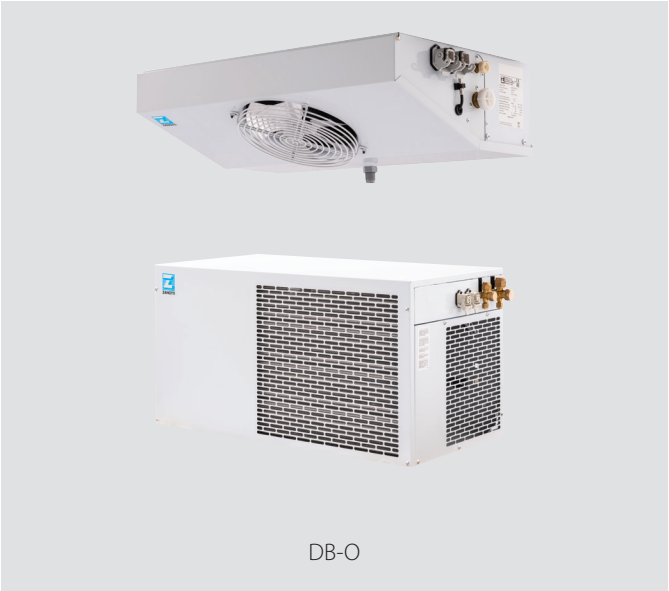
Power supply:
- 230/1~/50
- 400/3N~/50
- 208-230/1~/60
- 230/3~/50
- 208-230/3~/60
- 440-460/3N~/60
- 440-460/3~/60
- 108-115/1~/60

Condensation type:
- Air + Axial Fan
- City water with pressure valve

Winter Kit, low ambient temperature accessories:
- Crankcase heater + Condenser fan pressure switch
- Crankcase heater + Pressure controlled condenser fan speed regulator

Accessories kit:
- Audible and visual alarm
- Room light kit
- Remote control panel for 2-3-4 units
- Prearrangement for supervision system

Technical data



DB-O

	MEDIUM TEMPERATURE UNITS											LOW TEMPERATURE UNITS													
Code	**SB.MDB106EA11XX**	**SB.MDB107EA11XX**	**SB. MDB212EB11XX**	**SB. MDB315EB11XX**	**SB. MDB320EB11XX**	**SB. MDB425EB11XX**	**SB. MDB530EB13XX***	**SB. MDB635EB13XX***	**SB. MDB645EB13XX***	**SB. MDB706EB13XX***	**SB. MDB707EB13XX***	**SB. BDB110DA11XX**	**SB. BDB112DA11XX**	**SB. BDB117DA11XX**	**SB. BDB218DA11XX**	**SB. BDB220DB11XX**	**SB. BDB320DB11XX**	**SB. BDB330DB11XX**	**SB. BDB440DB11XX**	**SB. BDB445DB11XX**	**SB. BDB550DB13XX***	**SB. BDB660DB13XX***	**SB. BDB680DB13XX***	**SB. BDB710DB13XX***	**SB. BDB713DB13XX***
Refrigerant	R134a											R452A													
Power supply [V/Ph~/ Hz]	230/ 1~/ 50	230/ 1~/ 50	230/ 1~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	230/ 1~/ 50	230/ 1~/ 50	230/ 1~/ 50	230/ 1~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50	400/ 3N~/ 50
HP compressor	3/4	1	1,2	3	3,5	4	3,7	4,8	6,3	7,4	9,5	1	1,5	1,7	1,7	2	2	3	3,5	4	3,7	5,5	7,5	9,6	11
Defrost	Electric																								
PED category	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2
Working temp. [°C]	+10 ÷ -5											-15 ÷ -25													
Cooling capacity [Watt] [TC=0°C | TA=30°C]	1.140	1.422	1.816	3.188	3.492	3.948	5.070	7.293	8.779	11.014	14.069	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cooling capacity [Watt] [TC=-20°C |TA=30°C]	-	-	-	-	-	-	-	-	-	-	-	662	905	1.164	1.436	1.719	2.384	2.581	3.283	3.604	4.925	7.492	8.940	11.537	12.735

* Only for external use

Responsible Editor: Zanotti S.p.A. Via M.L. King, 30 · 46020 Pegognaga (MN) · Italy · www.zanotti.com · P.IVA IT01856570203 · REA 220625

ECPEN21-827B 10/2022