

Bi-block system for low and medium temperature refrigeration

DB-O



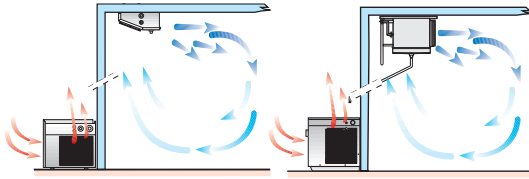
Reciprocating
compressor

Condensing unit for floor standing or roof mounted installation

- › Condensing unit for floor standing or roof mounted installation and ceiling mounted evaporator
- › Thermostatic expansion valve ensuring optimum capacity in accordance with the required load for better energy efficiency
- › Extremely fast to assemble thanks to quick connection joints
- › Reduced installation time and cost
- › Best surface-to-capacity ratio

DB-O

Installation type



		SB.BDB	110 DA12XX	112 DA12XX	117 DA12XX	218 DA12XX	220 DA12XX	320 DA13XX	330 DA13XX	
Refrigerating capacity	Low temperature R-452A Nom	kW	0.662 (1)	0.905 (1)	1.088 (1)	1.342 (1)	1.719 (1)	2.384 (1)	2.38 (1)	
Dimensions	Condensing unit Height x Width x Depth	mm	357 x 620 x 337			390 x 820 x 427		427 x 820 x 427		
	Evaporator unit Height x Width x Depth	mm	215 x 614 x 410			215 x 1,034 x 410		215 x 1,614 x 410		
	Packed condensing unit Height x Width x Depth	mm	590 x 419 x 810			610 x 520 x 1,010				
	Packed evaporator unit Height x Width x Depth	mm	260 x 470 x 780			260 x 470 x 1,200				
Weight	Condensing unit	kg	45	50		61	69	72	78	
	Evaporator unit	kg		13			19		28	
	Packed condensing unit	kg	55	60		75	83	86	92	
	Packed evaporator unit	kg		15			21		31	
Compressor	Type		Hermetic Reciprocating							
	Nominal power	kW	0.75	1.1	1.3	1.3	1.5		2.2	
	Starting method		Direct							
Operation range	Cold room temperature Min. ~Max.	°C	-25 ~-15							
Refrigerant	Type		R-452A							
	GWP		2,142							
Evaporator	Air flow	m ³ /h	600			1,200		1,800		
	Air throw	m	4 (3)							
Condenser	Air flow	m ³ /h	750			1,400		1,500		
Defrost			Electric							
Power supply	Voltage/Phase/Frequency	V/Hz	230/1~/50				400/3N~/50			

		SB.MDB	106 A12XX	107 A12XX	212 A12XX	213 A12XX	315 A13XX	320 A13XX	425 A13XX	530 A13XX	635 A13XX	645 A13XX	706 A13XX	707 A13XX						
Refrigerating capacity	Medium temperature R-134a Nom	kW	1.140 (2)	1.422 (2)	1.816 (2)	2.029 (2)	3.188 (2)	3.492 (2)	3.606 (2)	5.070 (2)	7.293 (2)	8.779 (2)	11.014 (2)	14.069 (2)						
Dimensions	Condensing unit Height x Width x Depth	mm	357 x 620 x 337		390 x 820 x 427		427 x 820 x 427		540x920x540 594x1,075x532		654 x 1,575 x 642		885 x 1,725 x 742							
	Evaporator unit Height x Width x Depth	mm	215 x 614 x 410		215 x 1,034 x 410		215 x 1,614 x 410		545x805x690 530x1,220x690		600 x 1,690 x 690		620 x 1,840 x 700							
	Packed condensing unit Height x Width x Depth	mm	590 x 419 x 810		610 x 520 x 1,010		610x 520 x 1,010		880x650x1,200 710x820x1,280		750 x 890 x 1,840		780 x 890 x1,990							
	Packed evaporator unit Height x Width x Depth	mm	260 x 470 x 780		260 x 470 x 1,200		260x 470 x 1,200		702x814x1,004 865x780x1,850		865 x 780 x 1,850		1,100 x 880 x 2,000							
Weight	Condensing unit	kg	43	59	61	69	70	95	104	158	159	195	195	220						
	Evaporator unit	kg	13	19	19	28	28	37	53	84	84	102	102	102						
	Packed condensing unit	kg	53	73	75	83	84	114	193	247	248	309	309	334						
	Packed evaporator unit	kg	15	21	21	30	30	53	85	140	140	165	165	165						
Compressor	Type		Hermetic Reciprocating																	
	Nominal power	kW	0.4	0.7	0.9	1.7	2.2	2.6	2.94	3.7	4.8	6.3	7.4	9.56						
	Starting method		Direct																	
Operation range	Cold room temperature Min. ~Max.	°C	-5 ~-10																	
Refrigerant	Type		R-134a																	
	GWP		1,430																	
Evaporator	Air flow	m ³ /h	600		1,200		1,800		2,300		4,600		6,800		6,400		8,400		8,000	
	Air throw	m	4 (3)																	
Condenser	Air flow	m ³ /h	750		1,400		1,500		3,150		3,200		5,500		7,000		8,100			
Defrost			Electric																	
Power supply	Voltage/Phase/Frequency	V/Hz	230/1~/50				400/3N~/50													

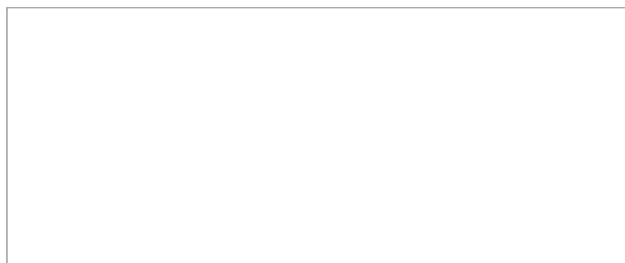
(1) When normally running: -20°C / +30°C

(2) When normally running: 0°C / +30°C

(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Contains Fluorinated greenhouse gases

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



ECPEN19-824

10/18



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.