

# Bi-block system for low and medium temperature refrigeration

DB-O



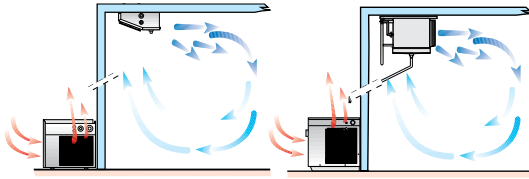
Reciprocating  
compressor

## 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				121 NO36D	121 TO36D	123 TO36D	135 NO704D	135 TO704D	221 NO36D	221 TO35D	
Refrigerating capacity	Low temperature	R-452A	Nom	kW	0.662 (1)	0.905 (1)	1.088 (1)	2.384 (1)	2.38 (1)	1.342 (1)	1.719 (1)
Dimensions	Condensing unit	Height x Width x Depth	mm	357 x 620 x 337			427 x 820 x 427		390 x 820 x 427		
	Evaporator unit	Height x Width x Depth	mm	215 x 614 x 410			215 x 1,614 x 410		215 x 1,034 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		72	78	61	69	
	Evaporator unit		kg		13			28		19	
	Packed condensing unit		kg	55	60		86	92	75	83	
	Packed evaporator unit		kg		15		31		21		
Compressor	Type	Hermetic Reciprocating									
	Nominal power		kW	0.75	1.1	1.3	2.2		1.3	1.5	
	Starting method	Direct									
Operation range	Cold room temperature	Min. ~Max.	°C	-25 ~-15							
Refrigerant	Type	R-452A									
	GWP	2,142									
Evaporator	Air flow		m <sup>3</sup> /h	600			1,800		1,200		
	Air throw		m	4 (3)							
Condenser	Air flow		m <sup>3</sup> /h	750			1,500		1,400		
Defrost	Electric										
Power supply	Voltage/Phase/Frequency		V/Hz	230/1~/50			400/3N~/50		230/1~/50	400/3N~/50	

SB.MDB				121 TO36E	123 TO36E	135 NO704E	135 TO704E	140 TO704E	221 NO36D	221 TO35D	235 TO376E	335 NO376E	335 TO376E	340 NO376E	340 TO376E						
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	1.140 (2)	1.422 (2)	3.188 (2)	3.492 (2)	3.606 (2)	1.816 (2)	2.029 (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		427 x 820 x 427		540x920x540		390 x 820 x 427		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 1,614 x 410		545x805x690		215 x 1,034 x 410		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		610x 520 x 1,010		880x650x1,200		610 x 520 x 1,010		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		260x 470 x 1,200		702x814x1,004		260 x 470 x 1,200		865x780x1,850		865 x 780 x 1,850		1,100 x 880 x 2,000					
Weight	Condensing unit		kg	43	69	70	95	95	59	61	104	158	159	195	220						
	Evaporator unit		kg	13		28	37	37	19		53	84		102							
	Packed condensing unit		kg	53	83	84	114	73	75	193	247	248	309	334							
	Packed evaporator unit		kg	15		30	53	21	85		140		165								
Compressor	Type	Hermetic Reciprocating																			
	Nominal power		kW	0.4	0.7	2.2	2.6	2.94	0.9	1.7	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 <sup>3</sup> /h	600		1,800		2,300		1,200		4,600		6,800		6,400		8,400		8,000	
	Air throw		m	4 (3)								12 (3)		4 (3)		11 (3)		13 (3)		12 (3)	
Condenser	Air flow		m <sup>3</sup> /h	750		1,500		3,150		1,400		3,200		5,500		7,000		8,100			
Defrost	Electric																				
Power supply	Voltage/Phase/Frequency		V/Hz	230/1~/50		400/3N~/50		230/1~/50		400/3N~/50											

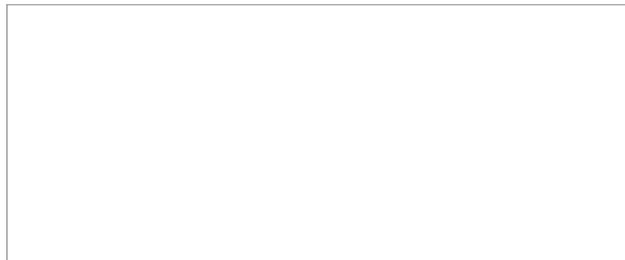
(1) When normally running: -20°C / +30°C

(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

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ECPEN17-824

10/17



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