

Bi-block system for low and medium temperature refrigeration

SB.LBCLN-AV3/AW1,
SB.LBCMD-AV3/AW1



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

SB.LBCLN-AV3/AW1, SB.LBCMD-AV3/AW1



SB.LBCLN-AV3/AW1, SB.LBCMD-AV3/AW1

Low Temperature Refrigeration				SB.LBCLN-AV3/AW1			100			120			170			172			200			300		
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Refrigerating capacity	Low temperature	R-452A	Nom	kW			0.579 (2)			0.807 (2)			0.970 (2)			1.193 (2)			1.526 (2)			2.090 (2)		
Recom. Cold Room Volume	Low temperature	V 100		m ³			2.2 (2)			3.9 (2)			5.3 (2)			7.6 (2)			11.4 (2)			18.1 (2)		
Power input	Max.			W			950			1,330			2,000			2,080			2,590			3,360		
Dimensions	Condensing unit	Height x Width x Depth	mm	640 x 690 x 860																				
	Evaporator unit	Height x Width x Depth	mm	360 x 690 x 545									360 x 990 x 545									740 x 760 x 960		
Weight	Condensing unit		kg	50			52			63			65			85								
	Evaporator unit		kg	9			16			24														
	Packed condensing unit		kg	66.0			68.0			79.0			81.0			101.0								
	Packed evaporator unit		kg	11.5			18.9			27.6														
Compressor	Type	Hermetic Reciprocating																						
Refrigerant	Type/GWP	R-452A/ 2,141																						
Evaporator	Air flow	m ³ /h	730									1,360									2,060			
	Air throw	m	6 (1)																					
Defrost	Electric																							
Piping Length		m	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	
Power supply	Voltage/Phase/Frequency	V/Hz	230/1~/50															400/3~/50						

Medium Temperature Refrigeration				SB.LBCMD-AV3			050			060			075			100			122				
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
Refrigerating capacity	Medium temperature	R-134a	Nom	kW			0.952 (2)			1.112 (2)			1.388 (2)			1.768 (2)			1.992 (2)				
Recom. Cold Room Volume	Medium temperature	V 100		m ³			6.8 (2)			8.6 (2)			11.8 (2)			16.5 (2)			18.5 (2)				
Power input	Max.			W			1,250			1,460			1,720			1,930			2,460				
Dimensions	Condensing unit	Height x Width x Depth	mm	640 x 690 x 860																			
	Evaporator unit	Height x Width x Depth	mm	360 x 690 x 545									360 x 990 x 545										
Weight	Condensing unit		kg	41			44			62													
	Evaporator unit		kg	9			16																
	Packed condensing unit		kg	57.0			60.0			78.0													
	Packed evaporator unit		kg	11.5			18.9																
Compressor	Type	Hermetic Reciprocating																					
Refrigerant	Type/GWP	R-134a/ 1,430																					
Evaporator	Air flow	m ³ /h	730									1,360											
	Air throw	m	6 (1)																				
Defrost	Electric																						
Piping Length		m	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10
Power supply	Voltage/Phase/Frequency	V/Hz	230/1~/50																				

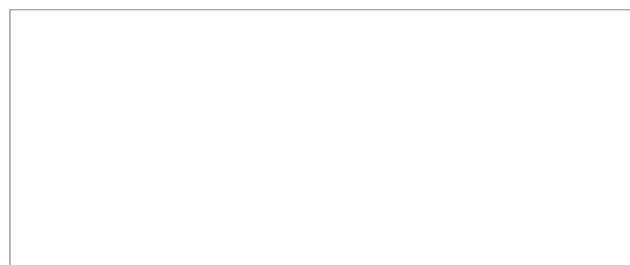
Medium Temperature Refrigeration				SB.LBCMD-AW1			120			150			151			200			201													
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3											
Refrigerating capacity	Medium temperature	R-134a	Nom	kW			1.992 (2)			3.129 (2)			3.430 (2)																			
Recom. Cold Room Volume	Medium temperature	V 100		m ³			18.5 (2)			35.7 (2)			40.3 (2)																			
Power input	Max.			W			2,380			3,230			3,150			3,530			3,450													
Dimensions	Condensing unit	Height x Width x Depth	mm	640 x 690 x 860																												
	Evaporator unit	Height x Width x Depth	mm	360 x 690 x 545						360 x 1,440 x 545						710 x 970 x 770						360 x 1,440 x 545						710 x 970 x 770				
Weight	Condensing unit		kg	62			75			81			77			88																
	Evaporator unit		kg	16			24			40			24			40																
	Packed condensing unit		kg	78.0			92.0			98.0			94.0			105.0																
	Packed evaporator unit		kg	18.9			27.6			56.0			27.6			56.0																
Compressor	Type	Hermetic Reciprocating																														
Refrigerant	Type/GWP	R-134a/ 1,430																														
Evaporator	Air flow	m ³ /h	1,360						2,060						2,320						2,060						2,250					
	Air throw	m	6 (1)																													
Defrost	Electric																															
Piping Length		m	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10	2,5	5	10									
Power supply	Voltage/Phase/Frequency	V/Hz	400/3~/50																													

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

(2) Low temperature: when normally running: -22°C / +32°C | Medium temperature: when normally running: 0°C / +32°C

Contains fluorinated greenhouse gases

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