

Quick Selection SupraBox MODULAR



The modular compact air handling units in the SupraBox MODULAR series offer a flexible and highly adaptable solution for a wide range of requirements and are ideally suited to any installation scenario. They are available in five different sizes and achieve air flow rates of up to 11,000 m³/h. The standard version with a rotary heat exchanger enables efficient recovery of heat and humidity with minimal air mixing. This largely prevents the transfer of odours and ensures a pleasant indoor air quality. Alternatively, the versions with a counter-flow heat exchanger also offer high heat recovery and, in addition, ensure complete separation of the supply and extract air flows.

In this document, you will find step-by-step instructions on how to configure a device with an add-on module.

Note: the considered temperature values are as below:

	Winter conditions	Summer conditions
Outdoor Air (ODA)	-14°C 90% RH.	32°C 45% RH
Extract Air (ETA)	22°C 45% RH	22°C 45% RH

Step-by-step selection

- 1) First, select the heat recovery type from either rotary or counter-flow heat exchangers.
- 2) Next, select the suitable post-heating and/or post-cooling coils based on the predefined heating and/or cooling capacities and the desired supply air temperatures.
- 3) In order to calculate the total length of the units, add together the length of the selected unit and the add-on module.
- 4) The sound power levels of a unit with an add-on module can be found in the table for the selected coil.

Note: The capacities and supply air temperatures are the maximum values that can be achieved by coils based on our standard specifications; these may vary depending on operating conditions.

Quick selection: SupraBox MODULAR with rotary heat exchanger (RWT):

		SBM 2600	SBM 3800	SBM 5100	SBM 7600	SBM 11000
Air Volume [m³/h]		2.600	3.800	5.100	7.600	11.000
Ext. Pressure Loss [Pa]		300	300	300	300	300
Efficiency in Winter		77,2%	74,2%	75,4%	76,1%	76,3%
Heat Recovery [kW]		34,1	48,9	66,8	100,6	150
Efficiency in Summer		77,2%	74,2%	75,4%	76,1%	76,3%
Cold Recovery [kW]		7,2	9,8	13,3	20	29
Fans		EC / IE5				
Power Supply [ph/V]		3~400				
Max. Power Consumption [kW]		3,96	3,96	4,6	8,44	12,8
Max. Current Consumption [A]		6,70	6,70	7,4	13,4	19,6
Nominal Speed [1/min]		2800	2800	2425	2400	1920
Sound power Levels [dB(A)]	Casing	49	53	54	54	56
	Outdoor Air	66	70	70	71	70
	Supply Air	75	79	80	81	78
	Exhaust Air	75	78	79	80	79
Connection Dimensions [mm]		558 x 498	838 x 498	1148 x 498	1068 x 818	1648 x 818
Weight of the base unit [kg]		554	604	698	1262	1605
Dimensions of the base unit (L x B x H) [mm]		2200x957x1545	2200x1080x1545	2200x1390x1545	2380x1390x2225	2580x1980x2225

Outdoor Air (ODA): -14°C 90%RH | 32°C 45%RH & Extract Air (ETA): 22°C 45%RH

Quick selection: SupraBox MODULAR with counter flow heat exchanger (GWT):

		SBM 2600	SBM 3800	SBM 5100	SBM 7600	SBM 11000
Air Volume [m³/h]		2.600	3.800	5.100	7.600	11.000
Ext. Pressure Loss [Pa]		300	300	300	300	300
Efficiency in Winter		86,9%	86,9%	86,9%	86,7%	86,8%
Heat Recovery [kW]		27,3	39,9	53,6	79,7	115,4
Efficiency in Summer		77,4%	77,4%	77,4%	77,4%	77,5%
Cold Recovery [kW]		6,9	10,1	13,6	20,3	29,4
Fans		EC / IE5				
Power Supply [ph/V]		3~400				
Max. Power Consumption [kW]		3,96	3,96	4,60	8,44	12,8
Max. Current Consumption [A]		6,70	6,70	7,4	13,4	19,6
Nominal Speed [1/min]		2800	2800	2425	2400	1920
Sound power Levels [dB(A)]	Casing	50	53	54	54	56
	Outdoor Air	64	67	68	67	66
	Supply Air	76	79	80	81	78
	Exhaust Air	75	78	79	80	79
Connection Dimensions [mm]		558 x 498	838 x 498	1148 x 498	1068 x 818	1648 x 818
Weight of the base unit [kg]		689	728	923	1483	2034
Dimensions of the base unit (L x B x H) [mm]		3130x800x1545	3130x1080x1545	3130x1390x1545	3870x1390x2225	4070x1980x2225

Outdoor Air (ODA): -14°C 90%RH | 32°C 45%RH & Extract Air (ETA): 22°C 45%RH

Quick selection: SupraBox MODULAR with add-on module:

Electric post-heating coil (ENHR)

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Air Inlet Temperature [°C]		13,8	17,3	12,7	17,3	13,2	17,3	13,4	17,2	13,2	17,2
Post-Heating Capacity [kW]		11		15		21		31		44	
Max. Supply Air Temp. [°C]		26	30	24,5	29	25,5	29,5	25,5	29,5	25	29
Max. Current Consumption [A]		15,88		21,65		30,31		44,74		63,51	
Sound power Levels [dB(A)]	Casing	50	50	53	53	54	54	54	54	56	56
	Outdoor Air	67	64	70	67	70	68	71	67	70	66
	Supply Air	76	76	79	79	80	80	81	81	80	80
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		580x800x650		580x1080x650		580x1390x650		580x1390x970		580x1980x970	
Weight of Add-On Module [kg]		90		97		113		189		178	

Hot Water Pump (PWW) 2 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Air Inlet Temperature [°C]		13,8	17,3	12,7	17,3	13,2	17,3	13,4	17,2	13,2	17,2
Fluid Temperature [°C]		45-30									
Post-Heating Capacity [kW]		7,6	5,8	12,5	10	13,5	10	18,2	18,5	38,2	17,6
Max. Supply Air Temp. [°C]		22	24	22,5	25	21	23	20,5	24,5	23,5	22
Fluid Temperature [°C]		55-35									
Post-Heating Capacity [kW]		10	8,5	16,4	13,5	18,5	15	24,5	25	49,3	25
Max. Supply Air Temp. [°C]		25	27	25,5	28	24	26	23	27	26,5	24
Fluid Temperature [°C]		60-40									
Post-Heating Capacity [kW]		12	10,6	17	17	23	20	24,5	25	60,5	25
Max. Supply Air Temp. [°C]		27,5	29,5	26	30,5	26,5	29	23	27	29,5	24
Fluid Temperature [°C]		70-50									
Post-Heating Capacity [kW]		16,5	15	17	17	24,5	25	24,5	25	81	25
Max. Supply Air Temp. [°C]		32,5	34,5	26	30,5	27,5	32	23	27	35	24
Fluid Temperature [°C]		80-60									
Post-Heating Capacity [kW]		19	19	17	17,5	24,5	25	24,5	25	103	25
Max. Supply Air Temp. [°C]		35,5	39	26	31	27,5	32	23	27	41	24
Max. Pressure Loss [Pa]		52		43		39		28		25	
Sound power Levels [dB(A)]	Casing	50	50	53	53	54	54	54	54	56	56
	Outdoor Air	67	64	70	67	70	68	71	67	70	66
	Supply Air	75	75	78	78	80	80	80	80	79	79
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		415x800x650		580x1080x650		580x1390x650		580x1390x970		580x1980x970	
Weight of Add-On Module [kg]		66		69		81		127		146	

Hot Water Pump (PWW) 3 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recover<		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Air Inlet Temperature [°C]		13,8	17,3	12,7	17,3	13,2	17,3	13,4	17,2	13,2	17,2
Fluid Temperature [°C]		45-30									
Post-Heating Capacity [kW]		10,4	8	16	12	18,5	16,5	14,3	12,3	36,3	17,6
Max. Supply Air Temp. [°C]		25	26,5	25	26,5	24	27	19	22	23	22
Fluid Temperature [°C]		55-35									
Post-Heating Capacity [kW]		13,3	11,5	21	17	25,5	23,5	19,5	16	53	25
Max. Supply Air Temp. [°C]		29	30,5	29	30,5	28	31	21	23,5	27,5	24
Fluid Temperature [°C]		60-40									
Post-Heating Capacity [kW]		16,4	14,5	25,5	21	24,5	25	23,3	21	69,7	58
Max. Supply Air Temp. [°C]		32,5	34	32,5	34	27,5	32	22,5	25,5	32	33
Fluid Temperature [°C]		70-50									
Post-Heating Capacity [kW]		22	20,2	25	25	24,5	25	24,5	25	99,5	89,5
Max. Supply Air Temp. [°C]		39	40,5	32	37	27,5	32	23	27	40	41,5
Fluid Temperature [°C]		80-60									
Post-Heating Capacity [kW]		23,5	23,2	25	25	24,5	25	24,5	25	129	117
Max. Supply Air Temp. [°C]		40,5	44	32	37	27,5	32	23	27	48	49
Max. Pressure Loss [Pa]		76		64		57		41		38	
Sound power Levels [dB(A)]	Casing	51	51	53	53	54	54	54	54	56	56
	Outdoor Air	68	65	70	67	70	68	71	67	70	66
	Supply Air	76	76	78	78	80	80	80	80	79	79
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		415x800x650		580x1080x650		580x1390x650		580x1390x970		580x1980x970	
Weight of Add-On Module [kg]		68		72		85		135		156	

Chilled Water Pump (PKW) 6 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Air Inlet Temperature [°C]		24,3	24,2	24,6	24,2	24,5	24,2	24,4	24,2	24,4	24,2
Fluid Temperature [°C]		7-12									
Post-Cooling Capacity [kW]		11	11,3	15	15,2	21,6	22,5	34,3	33,2	53,6	52
Min. Supply Air Temp. [°C]		18	17,5	18,5	18	18	17,5	17,5	17,5	17	17
Fluid Temperature [°C]		6-12									
Post-Cooling Capacity [kW]		11	11,2	15	14	23,3	22,5	34,3	33,2	53,7	52
Min. Supply Air Temp. [°C]		18	17,5	18,5	18,5	17,5	17,5	17,5	17,5	17	17
Max. Pressure Loss [Pa]		128		96		88		68		60	
Sound power Levels [dB(A)]	Casing	51	52	53	53	54	55	54	54	56	56
	Outdoor Air	68	66	70	67	70	69	71	67	70	66
	Supply Air	76	77	78	78	80	81	80	80	79	79
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		505x800x650		505x1080x650		515x1390x650		530x1390x970		530x1980x970	
Weight of Add-On Module [kg]		81		84		88		154		181	

Chilled Water Pump (PKW) 6 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Air Inlet Temperature [°C]		24,3	24,2	24,6	24,2	24,5	24,2	24,4	24,2	24,4	24,2
Fluid Temperature [°C]		7-12									
Post-Cooling Capacity [kW]		15,2	14,7	19,5	18,5	28	28,8	47	46	72	70,5
Min. Supply Air Temp. [°C]		15,5	15,5	16,5	16,5	16	15,5	15	15	14,5	14,5
Fluid Temperature [°C]		6-12									
Post-Cooling Capacity [kW]		15,2	14,7	18	17	28	28,8	47	46	72	70,5
Min. Supply Air Temp. [°C]		15,5	15,5	17	17	16	15,5	15	15	14,5	14,5
Max. Pressure Loss [Pa]		197		142		131		103		90	
Sound power Levels [dB(A)]	Casing	52	52	54	54	55	55	54	55	56	56
	Outdoor Air	69	66	71	68	71	69	71	68	70	66
	Supply Air	77	77	79	79	81	81	80	81	79	79
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		505x800x650		505x1080x650		515x1390x650		530x1390x970		580x1980x970	
Weight of Add-On Module [kg]		85		90		97		167		201	

Chilled Water Pump as Change Over (COR) 4 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Cooling Operation											
Air Inlet Temperature [°C]		24,3	24,2	24,6	24,2	24,5	24,2	24,4	24,2	24,4	24,2
Fluid Temperature [°C]		7-12									
Post-Cooling Capacity [kW]		11	11,3	15	15,2	21,6	22,5	34,3	33,2	53,6	52
Min. Supply Air Temp. [°C]		18	17,5	18,5	18	18	17,5	17,5	17,5	17	17
Fluid Temperature [°C]		6-12									
Post-Cooling Capacity [kW]		11	11,2	15	14	23,3	22,5	34,3	33,2	53,7	52
Min. Supply Air Temp. [°C]		18	17,5	18,5	18,5	17,5	17,5	17,5	17,5	17	17
Heating Operation											
Air Inlet Temperature [°C]		13,8	17,3	12,7	17,3	13,2	17,3	13,4	17,2	13,2	17,2
Fluid Temperature [°C]		45-30									
Post-Heating Capacity [kW]		12,5	9,3	16,4	13,6	18,6	19	18,2	18,5	60,4	17,6
Max. Supply Air Temp. [°C]		28	28	25,5	28	24	28,5	20,5	24,5	29,5	22
Fluid Temperature [°C]		55-35									
Post-Heating Capacity [kW]		15,5	12,3	22,2	18,7	25,4	25	24,6	25	81	69
Max. Supply Air Temp. [°C]		31,5	31,5	30	32	28	32	23	27	35	36
Fluid Temperature [°C]		60-40									
Post-Heating Capacity [kW]		15,5	12,3	22,2	18,7	24,6	25	24,6	25	95,7	83,8
Max. Supply Air Temp. [°C]		31,5	31,5	30	32	27,5	32	23	27	39	40
Fluid Temperature [°C]		70-50									
Post-Heating Capacity [kW]		15,5	12,3	22,2	18,7	24,6	25	24,6	25	125	113
Max. Supply Air Temp. [°C]		31,5	31,5	30	32	27,5	32	23	27	47	48
Fluid Temperature [°C]		80-60									
Post-Heating Capacity [kW]		15,5	12,3	21,5	18,7	24,6	25	24,6	25	153	141
Max. Supply Air Temp. [°C]		31,5	31,5	29,5	32	27,5	32	23	27	54,5	55,5
Max. Pressure Loss [Pa]		128		96		88		68		60	
Sound power Levels [dB(A)]	Casing	51	52	53	53	54	55	54	54	56	56
	Outdoor Air	68	66	70	67	70	69	71	67	70	66
	Supply Air	76	77	78	78	80	81	80	80	79	79
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		505x800x650		505x1080x650		515x1390x650		530x1390x970		530x1980x970	
Weight of Add-On Module [kg]		81		84		88		154		181	

Chilled Water Pump as Change Over (COR) 6 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Cooling Operation											
Air Inlet Temperature [°C]		24,3	24,2	24,6	24,2	24,5	24,2	24,4	24,2	24,4	24,2
Fluid Temperature [°C]		7-12									
Post-Cooling Capacity [kW]		15,2	14,7	19,5	18,5	28	28,8	47	46	72	70,5
Min. Supply Air Temp. [°C]		15,5	15,5	16,5	16,5	16	15,5	15	15	14,5	14,5
Fluid Temperature [°C]		6-12									
Post-Cooling Capacity [kW]		15,2	14,7	18	17	28	28,8	47	46	72	70,5
Min. Supply Air Temp. [°C]		15,5	15,5	17	17	16	15,5	15	15	14,5	14,5
Heating Operation											
Air Inlet Temperature [°C]		13,8	17,3	12,7	17,3	13,2	17,3	13,4	17,2	13,2	17,2
Fluid Temperature [°C]		45-30									
Post-Heating Capacity [kW]		9,4	9,3	21,5	11,7	18,6	19	18,2	18,5	79	17,6
Max. Supply Air Temp. [°C]		24,5	28	29,5	26,5	24	28,5	20,5	24,5	34,5	22
Fluid Temperature [°C]		55-35									
Post-Heating Capacity [kW]		12,5	12,3	29,2	15,5	25,4	25	24,6	25	103	89,4
Max. Supply Air Temp. [°C]		28	31,5	35,5	29,5	28	32	23	27	41	41,5
Fluid Temperature [°C]		60-40									
Post-Heating Capacity [kW]		12,5	12,3	35,6	15,5	24,6	25	24,6	25	122	108
Max. Supply Air Temp. [°C]		28	31,5	40,5	29,5	27,5	32	23	27	46	46,5
Fluid Temperature [°C]		70-50									
Post-Heating Capacity [kW]		12,5	12,3	47,8	15,5	24,6	25	24,6	25	157	143
Max. Supply Air Temp. [°C]		28	31,5	50	29,5	27,5	32	23	27	55,5	56
Fluid Temperature [°C]		80-60									
Post-Heating Capacity [kW]		12,5	12,3	60	15,5	24,6	25	24,6	25	190	176
Max. Supply Air Temp. [°C]		28	31,5	59,5	29,5	27,5	32	23	27	64,5	65
Max. Pressure Loss [Pa]		197		142		131		103		90	
Sound power Levels [dB(A)]	Casing	52	52	54	54	55	55	54	55	56	56
	Outdoor Air	69	66	71	68	71	69	71	68	70	66
	Supply Air	77	77	79	79	81	81	80	81	79	79
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		505x800x650		505x1080x650		515x1390x650		530x1390x970		530x1980x970	
Weight of Add-On Module [kg]		85		90		97		167		201	

Direct Expansion Coil as Standard (DVE) with 4 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Air Inlet Temperature [°C]		24,3	24,2	24,6	24,2	24,5	24,2	24,4	24,2	24,4	24,2
Refrigerant		R32									
Post-Cooling Capacity [kW]		7,8	7,1	13	12	20	19	28,7	30,5	45,8	44,2
Min. Supply Air Temp. [°C]		19	19	18,5	18,5	18	18	18	17,5	17,5	17,5
Max. Pressure Loss [Pa]		114		100		93		67		60	
Sound power Levels [dB(A)]	Casing	51	51	53	53	54	55	54	54	56	56
	Outdoor Air	68	65	70	67	70	69	71	67	70	66
	Supply Air	73	73	75	75	76	77	77	77	75	75
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		540x800x650		540x1080x650		540x1390x650		540x1390x970		580x1980x970	
Weight of Add-On Module [kg]		67		71		85		153		183	

Evaporation temperature: 10°C & Condensation temperature: 45°C

Direct Expansion Coil as Standard (DVE) with 6 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Air Inlet Temperature [°C]		24,3	24,2	24,6	24,2	24,5	24,2	24,4	24,2	24,4	24,2
Refrigerant		R32									
Post-Cooling Capacity [kW]		11,6	11	20	19,2	25	24	35,6	34,5	57,5	60
Min. Supply Air Temp. [°C]		17	17	16	16	16,5	16,5	16,5	16,5	16	15,5
Max. Pressure Loss [Pa]		190		272		143		109		94	
Sound power Levels [dB(A)]	Casing	52	52	55	55	55	55	55	55	56	56
	Outdoor Air	69	66	72	69	71	69	72	68	70	66
	Supply Air	74	74	77	77	77	77	78	78	75	75
	Exhaust Air	75	75	78	78	79	79	80	80	79	79
Dimension of Add-On Module (L x B x H) [mm]		540x800x650		540x1080x650		540x1390x650		540x1390x970		580x1980x970	
Weight of Add-On Module [kg]		75		80		97		172		203	

Evaporation temperature: 10°C & Condensation temperature: 45°C

Direct Expansion Coil as Change Over (DVE) with 6 Rows

		SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]		2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery		RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Cooling Operation											
Air Inlet Temperature [°C]		24,3	24,2	24,6	24,2	24,5	24,2	24,4	24,2	24,4	24,2
Refrigerant		R32									
Post-Cooling Capacity [kW]		7,8	7,1	13	12	20	19	28,7	30,5	45,8	44,2
Min. Supply Air Temp. [°C]		19	19	18,5	18,5	18	18	18	17,5	17,5	17,5
Heating Operation											
Air Inlet Temperature [°C]		13,8	17,3	12,7	17,3	13,2	17,3	13,4	17,2	13,2	17,2
Refrigerant		R32									
Post-Heating Capacity [kW]		16,4	14	24	28,2	33,2	28,5	52,8	45,2	77	67,3
Max. Supply Air Temp. [°C]		32,5	33,5	31,5	39,5	32,5	34	34	35	34	35,5
Max. Pressure Loss [Pa]		114		100		93		67		60	
Sound power Levels [dB(A)]	Casing	51	53	53	54	51	51	53	53	54	56
	Outdoor Air	65	70	67	70	68	65	70	67	70	66
	Supply Air	73	75	75	76	73	73	75	75	76	79
	Exhaust Air	75	78	78	79	75	75	78	78	79	79
Dimension of Add-On Module (L x B x H) [mm]		540x800x650		540x1080x650		540x1390x650		540x1390x970		580x1980x970	
Weight of Add-On Module [kg]		67		71		85		153		183	

Cooling mode: Evaporation temperature: 10°C & Condensation temperature: 45°C | Heating mode: Evaporation temperature: 7°C & Condensation temperature: 45°C

Direct Expansion Coil as Change Over (DVE) with 6 Rows

	SBM 2600		SBM 3800		SBM 5100		SBM 7600		SBM 11000	
Air Volume [m³/h]	2.600		3.800		5.100		7.600		11.000	
Type of Heat Recovery	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT	RWT	GWT
Cooling Operation										
Air Inlet Temperature [°C]	24,3	24,2	24,6	24,2	24,5	24,2	24,4	24,2	24,4	24,2
Refrigerant	R32									
Post-Cooling Capacity [kW]	11,6	11	20	19,2	25	24	35,6	34,5	57,5	60
Min. Supply Air Temp. [°C]	17	17	16	16	16,5	16,5	16,5	16,5	16	15,5
Heating Operation										
Air Inlet Temperature [°C]	13,8	17,3	12,7	17,3	13,2	17,3	13,4	17,2	13,2	17,2
Refrigerant	R32									
Post-Heating Capacity [kW]	20,3	18	33,7	39	42,6	36	64,3	56,7	95,7	82
Max. Supply Air Temp. [°C]	37	38	39	48	38	38,5	38,5	39,5	39	39,5
Max. Pressure Loss [Pa]	190		272		143		109		94	
Sound power Levels [dB(A)]	Casing	55	55	55	55	52	55	55	55	56
	Outdoor Air	72	69	71	69	66	72	69	71	66
	Supply Air	77	77	77	77	74	77	77	77	79
	Exhaust Air	78	78	79	79	75	78	78	79	79
Dimension of Add-On Module (L x B x H) [mm]	540x800x650		540x1080x650		540x1390x650		540x1390x970		580x1980x970	
Weight of Add-On Module [kg]	75		80		97		172		203	

Cooling mode: Evaporation temperature: 10°C & Condensation temperature: 45°C | Heating mode: Evaporation temperature: 7°C & Condensation temperature: 45°C

The values provided in the tables are indicative and may be subject to change during further design development or due to changes in boundary conditions and operating conditions.

If you have any further questions, please do not hesitate to contact us!

Kindest Regards

Your Rosenberg Product Management

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