

MULTI-B

MULTIZONE DUCTLESS HEAT PUMP

SMZ SERIES



R-454B



PERFORMANCE IN EVERY SPACE

With a Multi-B ductless systems, you can connect up to six indoor units to a single outdoor unit to achieve an efficient, versatile, and tailored heating and cooling solution. It independently controls multiple zones through one integrated system, ensuring consistent comfort throughout the home with personalized zoning controls and optimal energy savings.

- **NEW R-454B HIGH-PERFORMANCE GAS**
- **GREATER RELIABILITY THANKS TO NEW GAS LEAK SENSOR**
- **NEW TECHNOLOGY AND MACHINE DESIGN**
MEET HIGH ENERGY EFFICIENCY STANDARDS
- **5 OPERATION MODES**
COOLING, HEATING, DEHUMIDIFYING, FAN AND AUTO
- **CAN CONNECT UP TO 6 INDOOR UNITS**

NOMINAL CAPACITY

- 18,000, 27,000, 36,000, 48,000, 55,000 BTU/hr

VOLTAGE

- 230/208V, 60 Hz, 1-phase

MANUFACTURING

Indoor unit/Wall-Mounted Split

- Plastic housing, standard white
- Evaporator fins covered with hydrophilic coating for improved corrosion resistance
- Washable filters

Indoor unit/Ceiling cassette

- Plastic housing, standard white
- Evaporator fins covered with hydrophilic coating for improved corrosion resistance.
- Washable filters
- Includes wall controller and remote control

Indoor unit/Ducted Fan Coil

- Evaporator fins covered with hydrophilic coating for improved corrosion resistance
- Washable filters
- Includes a ducted controller

Outdoor unit

- Variable speed rotary compressor (INVERTER), with PCB control protection. Electronic expansion valve for precise control of refrigerant flow.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.
- Quiet axial-flow fan
- Multi-hole pan with smart heater to prevent ice formation
- Compressor blanket and preheating technology

Connection piping

- Minimum piping length of 10 ft (3 m)
- Flared connections

INSTALLATION

Indoor unit

- High wall installation with ceiling clearance as low as 5 cm
- Dual side connection

Outdoor unit

- Installation on aluminum wall bracket or ground stand (optional)

CONTROL

- Wireless remote included with wall bracket
- Wi-Fi option available for the wall unit
- Set temperature: 16°C to 32°C (61°F to 90°F)
- Temperature display format: °C or °F
- Interface for wall unit only

WARRANTY

- 10-year basic warranty on parts and 10-year basic warranty on the compressor (labour not included).
- Labour warranty (sold separately) from the first to the tenth year on parts and labour, with condenser replacement if the compressor fails

GRANTS

- Qualifies for rebate programs*

	COOLING	25 SEER2	-30°C / -22°F
	HEATING	11 HSPF2	-30°C / -22°F

IDEAL FOR:

Dining room-kitchen, living room, family room, commercial building, office building, condo, restaurant.

*Please refer to www.stelpro.com for more details about provincial and federal rebate programs

Stelpro reserves the right to modify at any time the description, manufacturing, or price of its products. Additionally, Stelpro may apply restocking fees or refuse a refund based on one or more of the following criteria: optional colour, custom product, assembly with low-demand options. For the latest product information and prices regarding the products, please visit the website www.stelpro.com.

FEATURES AND FUNCTIONS*



Wi-Fi

Control your comfort, anytime and anywhere using the SmartHome app



Smart Pan Heater

Prevents ice formation in the base pan of the outdoor unit.



Compressor Blanket and Preheating Technology

Keeps the oil inside the compressor warm and prevents it from mixing with the refrigerant.



Anti-Corrosion Fin Coating

Condenser and evaporator fins are covered with a hydrophilic coating for greater corrosion resistance – a clear advantage for people living in coastal regions.



Refrigerant Leakage Detection

The indoor unit will display "EC" when the outdoor unit detects refrigerant leakage.



A2L Safety Sensor

Increased reliability thanks to our new A2L gas-leak sensor.



Smart Defrosting

Provides greater comfort and energy savings by eliminating unnecessary defrost cycles.



Smart Preheating

The system delays turning on the fan in heating mode to avoid blowing cold air out at startup.



Auto-Restart

In case of power failure, user selection and system parameters are stored in non-volatile memory. The system will automatically return to the last operating mode when power resumes.



Freeze Protection

For extended absences, the temperature setpoint can be lowered to 8 °C (46 °F) in heating mode to prevent freezing.



Auto-Clean

Keeps the indoor unit dry to prevent mold growth.



Turbo Mode

The unit operates at super high speed to achieve quick cooling or heating.



Timer

Allows you to program the time you want the unit to start and stop over a 24-hour period.



Sleep Mode

This function can be used to gradually increase or decrease room temperature, so you can save energy without affecting your sleep.



Silence Function

The unit will operate at low frequency and the fan at the lowest speed to reduce noise level.



Follow Me

With this function, the room temperature is read from the remote control, not from the indoor unit. This guarantees optimal comfort because the remote control is usually closer to you.

*Features and functions are applicable for the wall unit only. Options may vary depending on the selected options (cassette, fan coil). Please consult your representative for details.



TECHNICAL SPECIFICATIONS

PERFORMANCE

OUTDOOR UNIT ¹			SMZ2B1-H18A-O	SMZ3B1-H27A-O	SMZ4B1-H36A-O	SMZ5B1-H48A-O	SMZ5B1-H55A-O
Voltage		V	230/208	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	5568 (19000)	7912 (27000)	10550 (36000)	13774 (47000)	14946 (51000)
	Min. - Max.	W (BTU/hr)	1581-8206 (5400-28000)	2110-10862 (7200-37000)	2638-12527 (9000-43000)	3517-16665 (12000-57000)	5568-17223 (19000-59000)
Heating capacity	Nominal	W (BTU/hr)	5861 (20000)	7913 (27000)	10551 (36000)	14360 (49000)	16119 (55000)
	Min. - Max.	W (BTU/hr)	1672-7913 (5700-27000)	2465-10551 (8400-36000)	3806-14360 (13000-49000)	5861-16665 (20000-57000)	8190-17223 (28000-59000)
Used cooling power input	Nominal	W	1265	2125	2750	3917	4250
	Min. - Max.	W	400-2250	500-3500	600-4000	800-5400	1200-7400
Used heating power input	Nominal	W	1465	2082	2638	3881	4605
	Min. - Max.	W	350-2300	500-3400	600-3750	800-5200	1200-7400
Cooling rated current		A	5.6	9.5	12	17.3	18.5
Heating rated current		A	6.5	9.1	11.5	17.3	20.1
MCA		A	17.5	30	37	37	39.5
Max. over-current protection (MOCP)		A	20	35	40	40	40
SEER2		-	25	23	23	23	22.2
HSPF2 IV		-	10.4	10.5	10.7	11	10.5
EER2		BTU/W	15	12.5	13	12	12
COP		W/W	4	3.8	4	3.7	3.5
AHRI number			216617670	216617673	216617676	216617680	216617682
ENERGY STAR			✓	✓	✓	✓	✓

OUTDOOR UNIT - CONDENSER

			SMZ2B1-H18A-O	SMZ3B1-H27A-O	SMZ4B1-H36A-O	SMZ5B1-H48A-O	SMZ5B1-H55A-O
Air flow volume		CFM	2130.7	2148.4	3037.2	4502.8	4502.8
Sound level		dB(A)	61.5	61	65	65	65
Compressor power input		W	2045	2765	3265	3430	3430
Compressor RLA		A	9.2	17	20.5	27	28
Fan motor power output		W	120	120	250	85	85
Fan motor RLA		A	1.2	1.3	2.6	2.5	2.5
Refrigerant volume (R454B)		oz (g)	78.31 (2220)	120.63 (3418)	134.04 (3800)	151.68 (4294)	151.68 (4294)
Net weight		lb (kg)	137 (62.3)	168 (76.4)	212 (96.1)	246 (112)	246 (112)
Operating ambient temperature	Cooling	°C (°F)	-30 to 50 (-22 to 122)	-30 to 50 (-22 to 122)	-30 to 50 (-22 to 122)	-30 to 50 (-22 to 122)	-30 to 50 (-22 to 122)
	Heating	°C (°F)	-30 to 24 (-22 to 75)	-30 to 24 (-22 to 75)	-30 to 24 (-22 to 75)	-30 to 24 (-22 to 75)	-30 to 24 (-22 to 75)

CONNECTION PIPING/REFRIGERANT

Pre-charge length		ft. (m)	24.6 (7.5)	24.6 (7.5)	24.6 (7.5)	24.6 (7.5)	24.6 (7.5)
Additional refrigerant charge		oz/ft. (g/m)	0.16 (15)	0.16 (15)	0.16 (15)	0.16 (15)	0.16 (15)
Liquid pipe outer diameter		in.	3 x 1/4	4 x 1/4	5 x 1/4	6 x 1/4	6 x 1/4
Gas pipe outer diameter		in.	3 x 3/8 + 2 x 1/2	3 x 3/8 + 2 x 1/2	3 x 3/8 + 2 x 1/2	4 x 3/8 + 2 x 1/2	4 x 3/8 + 2 x 1/2
Maximum height difference		ft. (m)	49.2 (15)	49.2 (15)	49.2 (15)	49.2 (15)	49.2 (15)
Maximum total length		ft. (m)	196.8 (60)	262.4 (80)	262.4 (80)	262.4 (80)	262.4 (80)

¹ Indoor unit and 1 outdoor unit. Note that each unit is individually packaged.

INDOOR UNIT - WALL-MOUNTED SPLIT

			SEPB-H09A-I	SEPB-H12A-I	SEPB-H18A-I	SEPB-H24A-I
Dehumidification	pt/hr (l/hr)		1.9 (0.9)	2.54 (1.2)	3.17 (1.5)	4.65 (2.2)
Air flow volume	UH / H / M / L	cfm	441 / 324 / 230 / 177	441 / 324 / 230 / 177	636 / 500 / 359 / 294	812 / 618 / 412 / 318
Sound level	UH / H / M / L / S ²	dB (A)	47 / 38 / 33 / 21 / 20	47 / 37 / 33 / 22 / 20	50 / 45 / 38 / 32 / 20	55 / 44 / 39 / 27 / 16
Fan motor power output	W		20	20	30	58
Fan motor RLA	A		0.5	0.5	0.8	1.3
Net weight	lb (kg)		23.3 (10.6)	22.93 (10.4)	27.34 (12.4)	43.65 (19.8)
Liquid pipe outer diameter	in.		1/4	1/4	1/4	3/8
Gas pipe outer diameter	in.		3/8	3/8	1/2	5/8

²Cross-Flow Fan Speeds: (UH) Ultra High (100%) / (H) High (80%) / (M) Medium (60%) / (L) Low (40%).

INDOOR UNIT - CEILING CASSETTE

			SICB1-H09A-I	SICB1-H12A-I	SICB1-H18A-I	SICB1-H24A-I
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	4689 (16000)	6887 (23500)
Heating capacity	Nominal	W (BTU/hr)	2931 (10000)	3517 (12000)	5568 (19000)	7327 (25000)
Dehumidification	pt/hr (l/hr)		1.19	1.96	2.71	3.19
Air flow volume	UH / H / M / L	cfm	344 / 288 / 231 / 201 / 122	419 / 350 / 256 / 216 / 135	706 / 618 / 530 / 441 / --	854 / 706 / 618 / 500 / --
Sound level	UH / H / M / L / S ²	dB (A)	30 / 29 / 28 / 26	33 / 31 / 29 / 26	36 / 34 / 32 / 28	40 / 37 / 35 / 30
Net weight	lb (kg)		35.27 (16)	35.27 (16)	35.27 (16)	47.18 (21.4)
Liquid pipe outer diameter	in.		1/4	1/4	1/4	3/8
Gas pipe outer diameter	in.		3/8	3/8	1/2	5/8

INDOOR UNIT - DUCTED FAN COIL

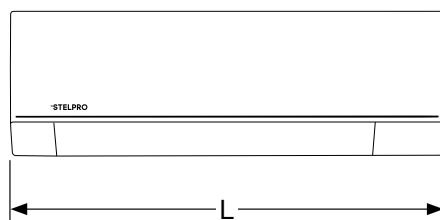
			SFCB1-H09A-I	SFCB1-H12A-I	SFCB1-H18A-I	SFCB1-H24A-I
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5129 (17500)	7034 (24000)
Heating capacity	Nominal	W (BTU/hr)	2901 (9900)	3517 (12000)	5715 (19500)	7620 (26000)
Dehumidification	pt/hr (l/hr)		1.46	2.94	2.94	4.29
Air flow volume	UH / H / M / L	cfm	344 / 288 / 231 / 201 / 122	419 / 350 / 256 / 216 / 135	706 / 618 / 530 / 441 / --	854 / 706 / 618 / 500 / --
Sound level	UH / H / M / L / S ²	dB (A)	30 / 29 / 28 / 26	33 / 31 / 29 / 26	36 / 34 / 32 / 28	40 / 37 / 35 / 30
Net weight	lb (kg)		64 (29)	64 (29)	80 (36.3)	80.5 (36.5)
Liquid pipe outer diameter	in.		1/4	1/4	1/4	3/8
Gas pipe outer diameter	in.		3/8	3/8	1/2	5/8

ACCESSORIES

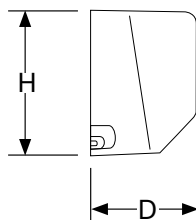
PRODUCT	DESCRIPTION
SICGA	Grille for SICB1-H09A-I, SICB1-H12A-I, SICB1-H18A-I ceiling cassette
SICGB	Grille for SICB1-H24A-I ceiling cassette

TECHNICAL DRAWINGS

INDOOR UNIT / WALL-MOUNTED SPLIT



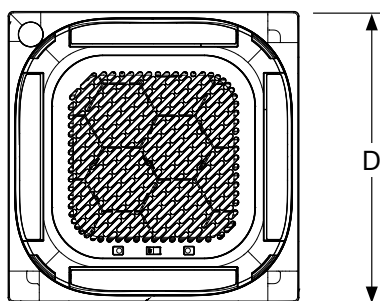
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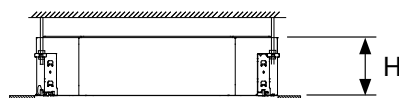
SIDE

MODEL	L		H		D	
CODE	MM	IN.	MM	IN.	MM	IN.
SEP-B-H09A-I	857	33 3/4	300	9 1/8	231	9 1/8
SEP-B-H12A-I	857	33 3/4	300	9 1/8	231	9 1/8
SEP-B-H18A-I	1024	40 1/4	321	12 5/8	246	9 3/4
SEP-B-H24A-I	1024	40 1/4	321	12 5/8	246	9 3/4

INDOOR UNIT / CEILING CASSETTE



FRONT



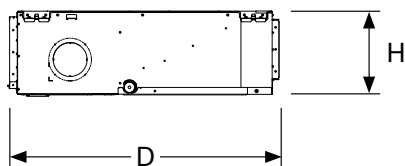
SIDE

MODEL	L		H		D	
CODE	MM	IN.	MM	IN.	MM	IN.
SICB1-H09A-I	620	24 3/8	245	9 5/8	620	24 3/8
SICB1-H12A-I	620	24 3/8	245	9 5/8	620	24 3/8
SICB1-H18A-I	620	24 3/8	245	9 5/8	620	24 3/8
SICB1-H24A-I	950	37 1/2	205	8 1/16	950	37 1/2

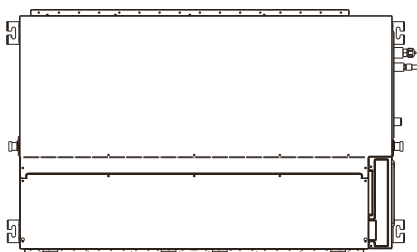
INDOOR UNIT / DUCTED FAN COIL



FRONT



SIDE

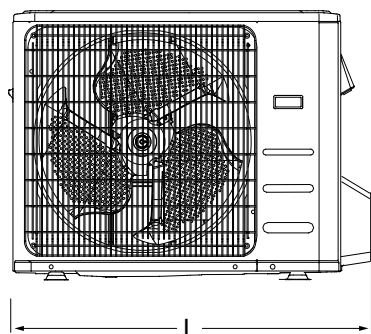


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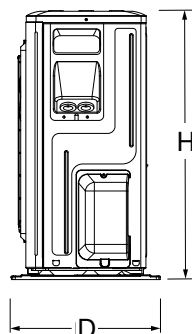
MODEL	L		H		D	
CODE	MM	IN.	MM	IN.	MM	IN.
SFCB1-H09A-I	700	27 1/2	244	9 5/8	795	31 1/4
SFCB1-H12A-I	700	27 1/2	244	9 5/8	795	31 1/4
SFCB1-H18A-I	1000	39 3/8	244	9 5/8	795	31 1/4
SFCB1-H24A-I	1000	39 3/8	244	9 5/8	795	31 1/4

OUTDOOR UNIT

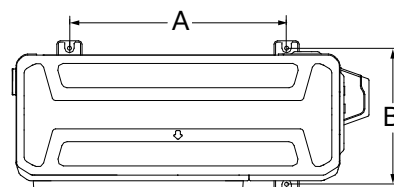
18 000 - 27 000 BTU



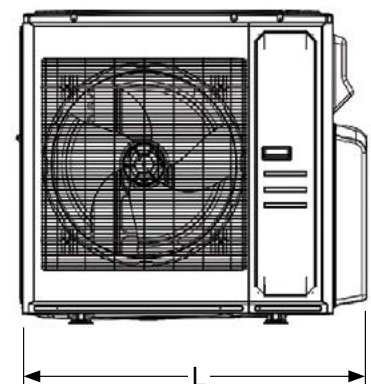
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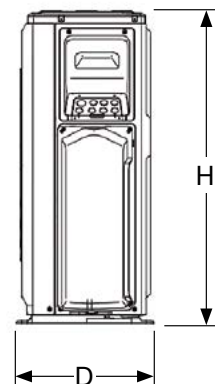
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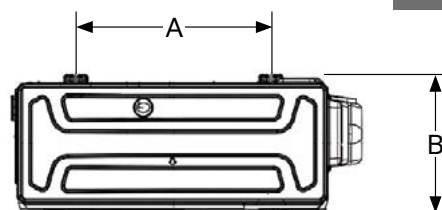
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FRONT

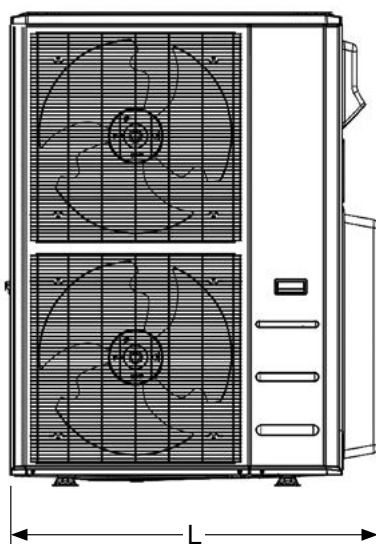


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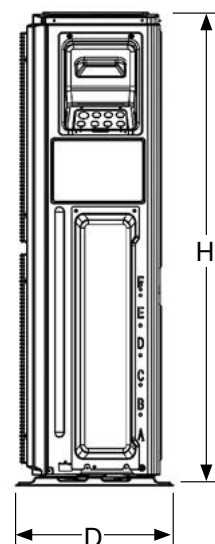


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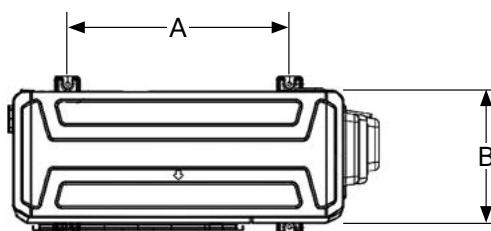
36 000 BTU



FRONT



SIDE



TOP

48 000 - 55 000 BTU

MODEL	L		H		D		A		B	
CODE	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.
SMZ2B1-H18A-O	1034	40 3/4	810	31 7/8	455	17 7/8	673	26 1/2	403	15 7/8
SMZ3B1-H27A-O	1034	40 3/4	810	31 7/8	455	17 7/8	673	26 1/2	403	15 7/8
SMZ4B1-H36A-O	1090	42 15/16	975	38 3/8	440	17 3/8	616	24 1/2	397	15 5/8
SMZ5B1-H48A-O	1060	41 3/4	1333	52 1/2	448	17 5/8	634	25	405	15 15/16
SMZ5B1-H55A-O	1060	41 3/4	1333	52 1/2	448	17 5/8	634	25	405	15 15/16