

ELITE-B

SINGLE ZONE DUCTLESS HEAT PUMP

SELB SERIES



R-454B



EFFICIENCY AND COMFORT REDEFINED

Improve ambient temperature control and enjoy unmatched efficiency, comfort, and peace of mind. Equipped with cutting-edge technology, the Elite-B indoor unit operates quietly while its self-cleaning system removes dust, mold, and bacteria. Its smart mode adjusts the temperature for optimal comfort.

- **NEW R-454B HIGH-PERFORMANCE GAS**
- **GREATER RELIABILITY THANKS TO NEW GAS LEAK SENSOR***
- **5 OPERATION MODES**
COOLING, HEATING, DEHUMIDIFYING, FAN AND AUTO
- **INTEGRATED WI-FI PLUS**
THE CONNECTLIFE SMART APP PUTS EASY OPERATION RIGHT AT YOUR FINGERTIPS
- **AUTO CLEAN TECHNOLOGY MODE**
KEEPS THE INDOOR UNIT DRY TO PREVENT MOLD GROWTH

NOMINAL CAPACITY

- 9,000, 12,000, 18,000, 24,000 BTU/hr

VOLTAGE

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

MANUFACTURING

Indoor unit

- Plastic housing, standard white
- Cross-flow fan with 5 selectable speed and 2 operation modes (auto and silence)
- Evaporator fins covered with hydrophilic coating for improved corrosion resistance

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 3 m (10 ft.)
- Flared connections.

INSTALLATION

Indoor unit

- High wall installation
- Dual side connection

Outdoor unit

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

CONTROL

- Wireless remote included with wall bracket
- Wi-Fi included
- Set temperature: 16°C to 30°C (61°F to 86°F)
- Temperature display format: °C or °F

WARRANTY

- 10-year basic warranty on parts and 10-year basic warranty on the compressor (labor 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	-15°C / 5°F
HEATING	11 HSPF2	-25°C / -13°F

COMPATIBLE WITH

Compatible with Amazon Alexa

works with Google Home

IDEAL FOR:

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

*Available for 9000 and 12 000 BTU products only. See the accessory sheet for more details

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

FEATURES AND FUNCTIONS



Wi-Fi

Integrated Wi-Fi plus the Connectlife smart app with Alexa and Google Assistant control put easy operation right at your fingertips.



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.



Self-Diagnosis

A microcomputer monitors the system and turns the unit off if abnormal operation is encountered. An error code will be displayed on the indoor unit to facilitate maintenance.



Up & Down Swing

Can be used to select oscillating angles for the vertical louvres. Choose a fixed position or use the auto swing mode to swing the louvres up and down in all positions.



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.



*Available for 9000 and 12 000 BTU products only. See the accessory sheet for more details

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.

TECHNICAL SPECIFICATIONS

PERFORMANCE

INDOOR UNIT ¹		SELB-H09A-I	SELB-H12A-I	SELB-H18A-I	SELB-H24A-I	
OUTDOOR UNIT ¹		SELB-H09A-O	SELB-H12A-O	SELB-H18A-O	SELB-H24A-O	
Voltage	V	230/208	230/208	230/208	230/208	
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	7034 (24000)
	Min. - Max.	W (BTU/hr)	1055-2931 (3600-10000)	1172-3810 (4000-13000)	1905-5568 (6500-19000)	2345-7327 (8000-25000)
Heating capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	7034 (24000)
	Min. - Max.	W (BTU/hr)	1055-2931 (3600-10000)	1172-3810 (4000-13000)	1905-5568 (6500-19000)	2345-7327 (8000-25000)
Used cooling power input	Nominal	W	659	980	1390	1959
Used heating power input	Nominal	W	659	902	1426	1954
Cooling rated current	A	2.5	4.3	6.1	8.7	
Heating rated current	A	3.1	4.1	6.5	9.3	
MCA	A	9.5	10.5	20	22	
Max. over-current protection (MOCP)	A	15	15	30	35	
SEER2	-	25	23	21	22.5	
HSPF2 IV	-	11	10	10	9.5	
EER2	BTU/W	13.65	12.25	12.95	12.25	
COP	W/W	4.00	3.90	3.70	3.60	
AHRI number		216445285	216445286	216445287	216445288	
ENERGY STAR		✓	✓	✓	✓	

INDOOR UNIT - WALL-MOUNTED SPLIT

		SELB-H09A-I	SELB-H12A-I	SELB-H18A-I	SELB-H24A-I	
Dehumidification	pt/hr (l/hr)	1.90 (0.9)	2.54 (1.2)	3.17 (1.5)	4.65 (2.2)	
Air flow volume	UH / H / M / L	cfm	383 / 341 / 294 / 247	394 / 365 / 312 / 253	647 / 589 / 483 / 383	706 / 647 / 559 / 441
Sound level	UH / H / M / L / S ²	dB (A)	42 / 39 / 37 / 35 / 32	42 / 39 / 37 / 35 / 32	48 / 45 / 41 / 39 / 36	50 / 48 / 43 / 41 / 39
Fan motor power output	W	25	25	35	35	
Fan motor RLA	A	0.11	0.11	0.17	0.17	
Net weight	lb (kg)	17.64 (8.5)	17.64 (8.5)	30.87 (14)	30.87 (14)	

OUTDOOR UNIT - CONDENSER

		SELB-H09A-O	SELB-H12A-O	SELB-H18A-O	SELB-H24A-O	
Sound level	dB(A)	53	53	58	61	
Compressor power input	W	659	979	1425	1959	
Fan motor power output	W	36	36	60	102	
Fan motor RLA	A	0.17	0.17	0.27	0.45	
Refrigerant volume (R454B)	oz (g)	35.27 (1000)	38.1 (1080)	52.91 (1500)	70.55 (2000)	
Net weight	lb (kg)	70.55 (32)	70.55 (32)	97.0 (44)	112.44 (51)	
Operating ambient temperature	Cooling	°C (°F)	-15 to 48 (5 to 118)	-15 to 48 (5 to 118)	-15 to 48 (5 to 118)	-15 to 48 (5 to 118)
	Heating	°C (°F)	-25 to 24 (-13 to 75)	-25 to 24 (-13 to 75)	-25 to 24 (-13 to 75)	-25 to 24 (-13 to 75)

CONNECTION PIPING/REFRIGERANT

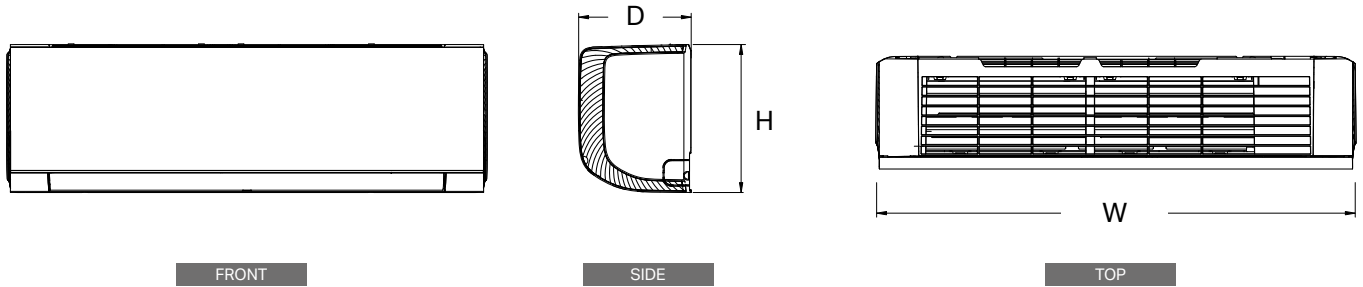
Pre-charge length	ft. (m)	25 (7.5)	25 (7.5)	25 (7.5)	25 (7.5)
Liquid pipe outer diameter	in.	1/4	1/4	1/4	3/8
Gas pipe outer diameter	in.	3/8	3/8	1/2	5/8
Maximum height difference	ft. (m)	49.21 (15)	49.21 (15)	49.21 (15)	49.21 (15)
Maximum total length	ft. (m)	65.62 (20)	65.62 (20)	98.43 (30)	98.43 (30)

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

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

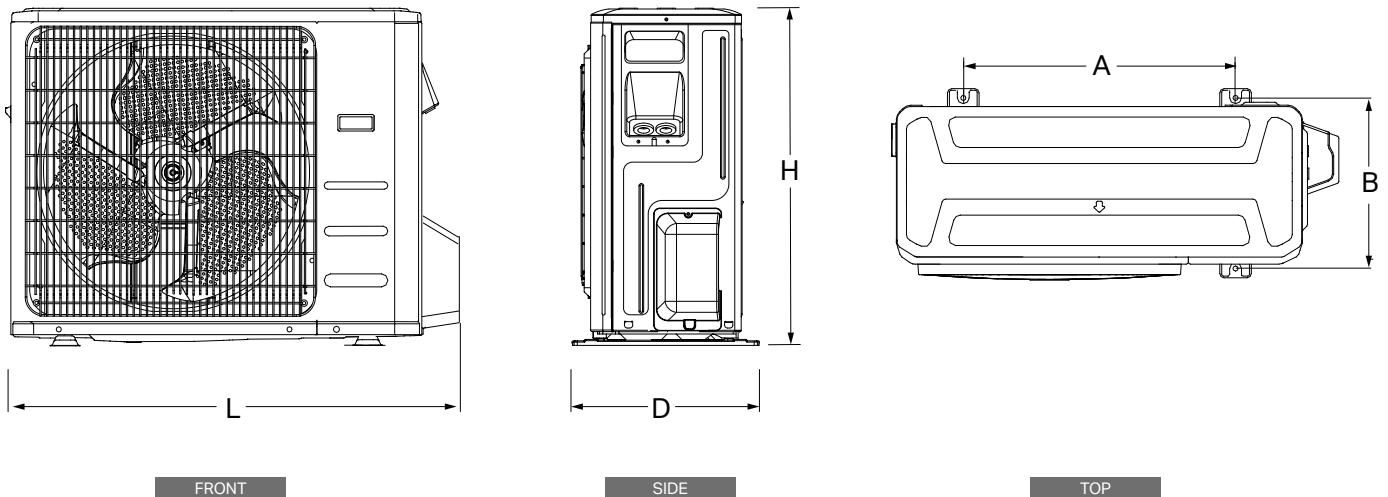
TECHNICAL DRAWINGS

INDOOR UNIT



MODEL CODE	W		H		D	
	MM	IN.	MM	IN.	MM	IN.
SELB-H09A-I	815	32 3/32	270	10 5/8	214	8 7/16
SELB-H12A-I	815	32 3/32	270	10 5/8	214	8 7/16
SELB-H18A-I	1085	42 3/4	315	12 3/8	236	9 5/16
SELB-H24A-I	1085	42 3/4	315	12 3/8	236	9 5/16

OUTDOOR UNIT



MODEL CODE	L		H		P	A		B		
	MM	IN.	MM	IN.		MM	IN.	MM	IN.	
SELB-H09A-O	886	34 7/8	585	23	338	20 1/8	511	20 1/8	310	12 3/16
SELB-H12A-O	886	34 7/8	585	23	338	20 1/8	511	20 1/8	310	12 3/16
SELB-H18A-O	935	36 13/16	650	25 5/8	368	21 6/16	542	21 6/16	341	13 7/16
SELB-H24A-O	974	38 6/16	750	29 1/2	398	23 15/16	608	23 15/16	368	14 1/2