VY BUILD INC.
INTELLIGENT CONSTRUCTIONS

COLD-CLIMATE HEAT PUMPS FOR ATLANTIC CANADA

Next Shipment 2027

Six single-zone inverter heat pumps and two multi-zone sets on R-454B, in the 208/230 V / 60 Hz build. The single-zone models come in two lines, three sizes each, every size ENERGY STAR certified and cold-climate listed, with the AHRI number printed beside it.







MODEL	CAPACITY	LINE	SEER2	AT −15 °C	PRICE PER UNIT	INSTALLER PRICE
VY-12	12,000 Btu/h	Cold Climate	25.0	12,000	**1,549**	**1,317**
VY-12S	12,000 Btu/h	Standard	24	9,100	**1,199**	**1,019**
VY-18	18,000 Btu/h	Cold Climate	23.5	17,800	**1,949**	**1,657**
VY-18S	18,000 Btu/h	Standard	23	13,600	**1,549**	**1,317**
VY-24	24,000 Btu/h	Cold Climate	22.5	22,400	**2,199**	**1,869**
VY-23S	23,000 Btu/h	Standard	23	18,600	**1,849**	**1,572**
27k + 2	27,000 Btu/h	Multi-zone · 2 indoor	20	see product page	**2,549**	**2,167**
27k + 3	27,000 Btu/h	Multi-zone · 3 indoor	20	see product page	**2,899**	**2,464**

All prices in Canadian dollars per unit (multi-zone: per set of one outdoor unit and two or three indoor units), ex warehouse Charlottetown, before freight and tax. Reserve a unit from the next shipment, expected in February–March 2027, with a $100 deposit per unit. You can cancel free of charge until the container arrives and we return your deposit. Balance due on pickup or delivery. Registered installers pay the installer price; a free installer account is available at vybuild.ca/installer-season-account/. Every single-zone size is ENERGY STAR certified and carries its own AHRI reference number, printed on its page.

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INTELLIGENT CONSTRUCTIONS

VY Build Inc. · 27A Third Street, Charlottetown, PE C1E 3V4
902-916-8523 · fabian@vybuild.ca · **vybuild.ca**
Prices in CAD, ex warehouse Charlottetown, before freight and tax.

COLD CLIMATE LINE

COLD CLIMATE VY-12

VY-12 · 12,000 Btu/h

It still makes all 12,000 Btu/h at −15 °C.

Most mini-splits sold in Canada quote capacity at 8.3 °C and quietly lose a third of it by −15. This one does not: its 17 °F output is higher than its 47 °F rating, because the compressor carries headroom it only spends when the weather asks. The volume size for an Atlantic home.



RATED COOLING	12,000 Btu/h
RATED HEATING, 47 °F	12,000 Btu/h
HEATING AT −15 °C	**12,000 Btu/h**
HEATING AT −30 °C	7,100 Btu/h
SEER2 / HSPF2 REGION V	25.0 / 9.0
REFRIGERANT	R-454B (A2L), GWP 466
POWER SUPPLY	208/230 V, 60 Hz, 1 ph
BREAKER	20 A
OUTDOOR UNIT	863 × 349 × 602 mm (34.0 × 13.7 × 23.7 in)
OUTDOOR SOUND	57 dB(A)
WARRANTY	Ten years compressor, five years parts

WHAT THE MARKET CHARGES

Senville AURA 12k · SEER2 25.4	1,699
VY-12 regular price, per unit	1,549
VY-12 installer price	1,317

R-454B, −30 °C, 10/5 warranty

RESERVE · NEXT SHIPMENT

CAD 1,549

per unit · $100 deposit per unit
Balance on pickup or delivery

INSTALLER PRICE

CAD 1,317

Registered installers · free account at vybuild.ca/installer-season-account/

Why this unit

- Holds its rated output where the winter actually bites, not just on the data sheet.
- Gold-coated anti-corrosive fin on **both** coils – specified for salt air.
- Base-pan heater fitted as standard, not an option box.
- ENERGY STAR and AHRI listed, so the provincial rebate can actually be claimed.

DELIVERY WINDOW

Next shipment: expected February–March 2027. $100 deposit per unit. Cancel free of charge until the container arrives; we return your deposit. Balance on pickup or delivery.

INCLUDED

Indoor unit with mounting plate · outdoor unit · infrared remote · drain hose and fittings · manual in English and French · base-pan heater fitted

CERTIFICATION

ENERGY STAR certified · AHRI reference 218372889 · both entries public and checkable before you order

VY Build Inc. · 27A Third Street, Charlottetown, PE C1E 3V4
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VY-12 · 12,000 BTU/H

TECHNICAL DATA

Heating curve and full specification

25.0
SEER2

12,000
BTU/H AT −15 °C

−30 °C
KEEPS HEATING TO

Heating output by temperature

OUTDOOR TEMPERATURE	HEATING OUTPUT
47 °F · 8.3 °C	**12,000 Btu/h**
17 °F · −8 °C	**14,000 Btu/h**
5 °F · −15 °C	**12,000 Btu/h**
−5 °F · −20 °C	**10,800 Btu/h**
−13 °F · −25 °C	**9,100 Btu/h**
−22 °F · −30 °C	**7,100 Btu/h**

Sizing

Roughly 500–550 sq ft of cooling. As the only heat source in a well-insulated room through a PEI winter, size it at 300–400 sq ft.

Pick by the heating load, never the cooling load. An oversized unit short-cycles: it blasts, stops, blasts again, never reaches steady state, and pulls almost no moisture out of the air in a humid July.

Certification

ENERGY STAR certified · AHRI reference 218372889. Both entries are public. Look them up in the ENERGY STAR product finder and the AHRI directory before you order anything from us. Canadian rebate programs require an AHRI number; a unit without one cannot be claimed, which is how a cheaper box ends up costing more. The electrical safety mark and the NRCan verification are issued against the production run – you get the number in writing before the balance is due.

SPECIFICATION	VY-12
Model	KWSM-12IR454BHS25R
Rated cooling	12,000 Btu/h
SEER2	25.0
HSPF2, Region IV / V	10.5 / 9.0
EER2	13.0
Heating range	−30 °C to 24 °C
Refrigerant	R-454B (A2L), GWP 466, 1,000 g
Compressor	GMCC KSN140D53UFZ3 twin-rotary
Power supply	208/230 V, 60 Hz, 1 ph
MCA / max fuse	12 A / 20 A
Indoor sound	46 – 30 dB(A)
Outdoor sound	57 dB(A)
Indoor unit W×D×H	920 × 195 × 306 mm (36.2 × 7.7 × 12.0 in)
Outdoor unit W×D×H	863 × 349 × 602 mm (34.0 × 13.7 × 23.7 in)
Weight, indoor / outdoor	10.5 kg (23 lb) / 32 kg (71 lb)
Pipe connections	3/8″ gas · 1/4″ liquid
Heat exchanger	Gold-coated anti-corrosive fin, both coils
Base-pan heater	Fitted as standard
Control	Infrared remote; Wi-Fi app optional
Warranty	Ten years compressor, five years parts

HOW TO BUY

Reserve at CAD 1,549 per unit with a $100 deposit per unit. Cancel free of charge until the container arrives. Balance on pickup or delivery. Installers: CAD 1,317.

NOT INCLUDED

Line set · wall sleeve and cover · condensate pump · outdoor bracket · disconnect and wiring · installation

INSTALLATION

R-454B is an A2L refrigerant. In Canada it must be handled by a technician holding a valid refrigerant handling certificate. We do not install.

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STANDARD LINE

STANDARD VY-12S

VY-12S · 12,000 Btu/h

SEER2 24 and R-454B at budget-brand money.

The cheap mini split on the shelf beside this one is SEER2 20 on R-32 and is not listed as a cold-climate machine. This one is both. The working size for a supplementary head: a room with a furnace or a stove behind it, a rental unit, a shop office.



RATED COOLING	12,000 Btu/h
RATED HEATING, 47 °F	12,600 Btu/h
HEATING AT −15 °C	**9,100 Btu/h**
HEATING AT −25 °C	6,680 Btu/h
SEER2 / HSPF2 REGION V	24 / 8.6
REFRIGERANT	R-454B (A2L), GWP 466
POWER SUPPLY	208/230 V, 60 Hz, 1 ph
BREAKER	15 A
OUTDOOR UNIT	810 × 305 × 549 mm
OUTDOOR SOUND	52 dB(A)
WARRANTY	Ten years compressor, five years parts

WHAT THE MARKET CHARGES

Senville LETO 12k · SEER2 20.8, R-32	1,199
VY-12S regular price, per unit	1,199
VY-12S installer price	1,019
not cold-climate listed	

RESERVE · NEXT SHIPMENT

CAD 1,199

per unit · $100 deposit per unit
Balance on pickup or delivery

INSTALLER PRICE

CAD 1,019

Registered installers · free account at vybuild.ca/installer-season-account/

Why this unit

- SEER2 23–24 and R-454B where the budget brands still sell SEER2 20 on R-32.
- Gold-coated anti-corrosive fin on **both** coils – specified for salt air.
- ENERGY STAR certified and NEEP cold-climate listed, AHRI number public.
- The right buy when the head works alongside a furnace, a stove or baseboard.

DELIVERY WINDOW

Next shipment: expected February–March 2027. $100 deposit per unit. Cancel free of charge until the container arrives; we return your deposit. Balance on pickup or delivery.

INCLUDED

Indoor unit with mounting plate · outdoor unit · infrared remote · drain hose and fittings · manual in English and French

CERTIFICATION

ENERGY STAR certified · AHRI reference 217617840 · both entries public and checkable before you order

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VY-12S · 12,000 BTU/H

TECHNICAL DATA

Heating curve and full specification

24
SEER2

9,100
BTU/H AT −15 °C

−25 °C
KEEPS HEATING TO

Heating output by temperature

OUTDOOR TEMPERATURE	HEATING OUTPUT
47 °F · 8.3 °C	**12,600 Btu/h**
17 °F · −8 °C	**8,100 Btu/h**
5 °F · −15 °C	**9,100 Btu/h**
−5 °F · −20 °C	**8,100 Btu/h**
−13 °F · −25 °C	**6,680 Btu/h**

Sizing

Roughly 500–550 sq ft of cooling. As the only heat source in a well-insulated room through a PEI winter, size it at 250–325 sq ft.

Pick by the heating load, never the cooling load. An oversized unit short-cycles: it blasts, stops, blasts again, never reaches steady state, and pulls almost no moisture out of the air in a humid July.

Certification

ENERGY STAR certified · AHRI reference 217617840. Both entries are public. Look them up in the ENERGY STAR product finder and the AHRI directory before you order anything from us. Canadian rebate programs require an AHRI number; a unit without one cannot be claimed, which is how a cheaper box ends up costing more. The electrical safety mark and the NRCan verification are issued against the production run – you get the number in writing before the balance is due.

SPECIFICATION	VY-12S
Model	KWSM-12IR454BHS24R
Rated cooling	12,000 Btu/h
SEER2	24
HSPF2, Region IV / V	10.0 / 8.6
EER2	13
Heating range	−25 °C to 24 °C
Refrigerant	R-454B (A2L), GWP 466, 1,000 g
Compressor	GMCC KSK103D33UEZC3 rotary
Power supply	208/230 V, 60 Hz, 1 ph
MCA / max fuse	11 A / 15 A
Indoor sound	46/44/36/32/30 dB(A)
Outdoor sound	52 dB(A)
Indoor unit W×D×H	920 × 306 × 195 mm
Outdoor unit W×D×H	810 × 305 × 549 mm
Weight, indoor / outdoor	10.5 kg / 26.5 kg
Pipe connections	3/8″ gas · 1/4″ liquid
Heat exchanger	Gold-coated anti-corrosive fin, both coils
Base-pan heater	Optional
Control	Infrared remote; Wi-Fi app optional
Warranty	Ten years compressor, five years parts

HOW TO BUY

Reserve at CAD 1,199 per unit with a $100 deposit per unit. Cancel free of charge until the container arrives. Balance on pickup or delivery. Installers: CAD 1,019.

NOT INCLUDED

Line set · wall sleeve and cover · condensate pump · outdoor bracket · disconnect and wiring · installation

INSTALLATION

R-454B is an A2L refrigerant. In Canada it must be handled by a technician holding a valid refrigerant handling certificate. We do not install.

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COLD CLIMATE LINE

COLD CLIMATE VY-18

VY-18 · 18,000 Btu/h

17,800 of 18,000 Btu/h at −15 °C.

Ninety-nine percent of rated output at the temperature an Atlantic January actually sits at. A unit that drops to 11,000 at the same temperature hands the difference to your baseboard at roughly three times the running cost. This is the size that replaces the most electric heat in a typical bungalow, on one head.



RATED COOLING	18,000 Btu/h
RATED HEATING, 47 °F	18,000 Btu/h
HEATING AT −15 °C	**17,800 Btu/h**
HEATING AT −30 °C	9,800 Btu/h
SEER2 / HSPF2 REGION V	23.5 / 8.8
REFRIGERANT	R-454B (A2L), GWP 466
POWER SUPPLY	208/230 V, 60 Hz, 1 ph
BREAKER	30 A
OUTDOOR UNIT	927 × 380 × 699 mm (36.5 × 15.0 × 27.5 in)
OUTDOOR SOUND	58 dB(A)
WARRANTY	Ten years compressor, five years parts

WHAT THE MARKET CHARGES

Senville AURA 18k · SEER2 21.4	2,099
VY-18 regular price, per unit	1,949
VY-18 installer price	1,657

our SEER2 is 2.1 points higher

RESERVE · NEXT SHIPMENT

CAD 1,949

per unit · $100 deposit per unit
Balance on pickup or delivery

INSTALLER PRICE

CAD 1,657

Registered installers · free account at vybuild.ca/installer-season-account/

Why this unit

- Holds its rated output where the winter actually bites, not just on the data sheet.
- Gold-coated anti-corrosive fin on **both** coils – specified for salt air.
- Base-pan heater fitted as standard, not an option box.
- ENERGY STAR and AHRI listed, so the provincial rebate can actually be claimed.

DELIVERY WINDOW

Next shipment: expected February–March 2027. $100 deposit per unit. Cancel free of charge until the container arrives; we return your deposit. Balance on pickup or delivery.

INCLUDED

Indoor unit with mounting plate · outdoor unit · infrared remote · drain hose and fittings · manual in English and French · base-pan heater fitted

CERTIFICATION

ENERGY STAR certified · AHRI reference 218399920 · both entries public and checkable before you order

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VY-18 · 18,000 BTU/H

TECHNICAL DATA

Heating curve and full specification

23.5
SEER2

17,800
BTU/H AT −15 °C

−30 °C
KEEPS HEATING TO

Heating output by temperature

OUTDOOR TEMPERATURE	HEATING OUTPUT
47 °F · 8.3 °C	**18,000 Btu/h**
17 °F · −8 °C	**15,500 Btu/h**
5 °F · −15 °C	**17,800 Btu/h**
−5 °F · −20 °C	**15,400 Btu/h**
−13 °F · −25 °C	**12,300 Btu/h**
−22 °F · −30 °C	**9,800 Btu/h**

Sizing

Roughly 700–800 sq ft of cooling. As the only heat source in a well-insulated room through a PEI winter, size it at 450–600 sq ft.

Pick by the heating load, never the cooling load. An oversized unit short-cycles: it blasts, stops, blasts again, never reaches steady state, and pulls almost no moisture out of the air in a humid July.

Certification

ENERGY STAR certified · AHRI reference 218399920. Both entries are public. Look them up in the ENERGY STAR product finder and the AHRI directory before you order anything from us. Canadian rebate programs require an AHRI number; a unit without one cannot be claimed, which is how a cheaper box ends up costing more. The electrical safety mark and the NRCan verification are issued against the production run – you get the number in writing before the balance is due.

SPECIFICATION	VY-18
Model	KWSM-18IR454BHS23.5R
Rated cooling	18,000 Btu/h
SEER2	23.5
HSPF2, Region IV / V	10.0 / 8.8
EER2	12.5
Heating range	−30 °C to 24 °C
Refrigerant	R-454B (A2L), GWP 466, 1,300 g
Compressor	SANYO C-6RZ210H1EBF rotary
Power supply	208/230 V, 60 Hz, 1 ph
MCA / max fuse	20 A / 30 A
Indoor sound	48 – 34 dB(A)
Outdoor sound	58 dB(A)
Indoor unit W×D×H	1,097 × 222 × 332 mm (43.2 × 8.7 × 13.1 in)
Outdoor unit W×D×H	927 × 380 × 699 mm (36.5 × 15.0 × 27.5 in)
Weight, indoor / outdoor	14 kg (31 lb) / 48 kg (106 lb)
Pipe connections	1/2″ gas · 1/4″ liquid
Heat exchanger	Gold-coated anti-corrosive fin, both coils
Base-pan heater	Fitted as standard
Control	Infrared remote; Wi-Fi app optional
Warranty	Ten years compressor, five years parts

HOW TO BUY

Reserve at CAD 1,949 per unit with a $100 deposit per unit. Cancel free of charge until the container arrives. Balance on pickup or delivery. Installers: CAD 1,657.

NOT INCLUDED

Line set · wall sleeve and cover · condensate pump · outdoor bracket · disconnect and wiring · installation

INSTALLATION

R-454B is an A2L refrigerant. In Canada it must be handled by a technician holding a valid refrigerant handling certificate. We do not install.

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STANDARD LINE

STANDARD VY-18S

VY-18S · 18,000 Btu/h

SEER2 23, ENERGY STAR, cold-climate listed.

13,600 Btu/h still on tap at –15 °C and heating down to –25 °C, on R-454B rather than the R-32 the budget brands use. A main floor where there is already another heat source in the building.



RATED COOLING	18,000 Btu/h
RATED HEATING, 47 °F	19,000 Btu/h
HEATING AT –15 °C	**13,600 Btu/h**
HEATING AT –25 °C	9,200 Btu/h
SEER2 / HSPF2 REGION V	23 / 8.2
REFRIGERANT	R-454B (A2L), GWP 466
POWER SUPPLY	208/230 V, 60 Hz, 1 ph
BREAKER	20 A
OUTDOOR UNIT	927 × 380 × 699 mm
OUTDOOR SOUND	53 dB(A)
WARRANTY	Ten years compressor, five years parts

WHAT THE MARKET CHARGES

Senville LETO 18k	1,399
VY-18S regular price, per unit	1,549
VY-18S installer price	1,317

R-32, not cold-climate listed

RESERVE · NEXT SHIPMENT

CAD 1,549

per unit · $100 deposit per unit
Balance on pickup or delivery

INSTALLER PRICE

CAD 1,317

Registered installers · free account at vybuild.ca/installer-season-account/

Why this unit

- SEER2 23–24 and R-454B where the budget brands still sell SEER2 20 on R-32.
- Gold-coated anti-corrosive fin on **both** coils – specified for salt air.
- ENERGY STAR certified and NEEP cold-climate listed, AHRI number public.
- The right buy when the head works alongside a furnace, a stove or baseboard.

DELIVERY WINDOW

Next shipment: expected February–March 2027. $100 deposit per unit. Cancel free of charge until the container arrives; we return your deposit. Balance on pickup or delivery.

INCLUDED

Indoor unit with mounting plate · outdoor unit · infrared remote · drain hose and fittings · manual in English and French

CERTIFICATION

ENERGY STAR certified · AHRI reference 217617841 · both entries public and checkable before you order

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VY-18S · 18,000 BTU/H

TECHNICAL DATA

Heating curve and full specification

23
SEER2

13,600
BTU/H AT −15 °C

−25 °C
KEEPS HEATING TO

Heating output by temperature

OUTDOOR TEMPERATURE	HEATING OUTPUT
47 °F · 8.3 °C	**19,000 Btu/h**
17 °F · −8 °C	**11,000 Btu/h**
5 °F · −15 °C	**13,600 Btu/h**
−5 °F · −20 °C	**11,000 Btu/h**
−13 °F · −25 °C	**9,200 Btu/h**

Sizing

Roughly 700–800 sq ft of cooling. As the only heat source in a well-insulated room through a PEI winter, size it at 380–500 sq ft.

Pick by the heating load, never the cooling load. An oversized unit short-cycles: it blasts, stops, blasts again, never reaches steady state, and pulls almost no moisture out of the air in a humid July.

Certification

ENERGY STAR certified · AHRI reference 217617841. Both entries are public. Look them up in the ENERGY STAR product finder and the AHRI directory before you order anything from us. Canadian rebate programs require an AHRI number; a unit without one cannot be claimed, which is how a cheaper box ends up costing more. The electrical safety mark and the NRCan verification are issued against the production run – you get the number in writing before the balance is due.

SPECIFICATION	VY-18S
Model	KWSM-18IR454BHS23R
Rated cooling	18,000 Btu/h
SEER2	23
HSPF2, Region IV / V	10.0 / 8.2
EER2	12.5
Heating range	−25 °C to 24 °C
Refrigerant	R-454B (A2L), GWP 466, 1,290 g
Compressor	SANYO C-6RZ146H1DJ rotary
Power supply	208/230 V, 60 Hz, 1 ph
MCA / max fuse	12 A / 20 A
Indoor sound	50/47/43/38/34 dB(A)
Outdoor sound	53 dB(A)
Indoor unit W×D×H	1,097 × 332 × 222 mm
Outdoor unit W×D×H	927 × 380 × 699 mm
Weight, indoor / outdoor	14 kg / 41 kg
Pipe connections	1/2″ gas · 1/4″ liquid
Heat exchanger	Gold-coated anti-corrosive fin, both coils
Base-pan heater	Optional
Control	Infrared remote; Wi-Fi app optional
Warranty	Ten years compressor, five years parts

HOW TO BUY

Reserve at CAD 1,549 per unit with a $100 deposit per unit. Cancel free of charge until the container arrives. Balance on pickup or delivery. Installers: CAD 1,317.

NOT INCLUDED

Line set · wall sleeve and cover · condensate pump · outdoor bracket · disconnect and wiring · installation

INSTALLATION

R-454B is an A2L refrigerant. In Canada it must be handled by a technician holding a valid refrigerant handling certificate. We do not install.

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COLD CLIMATE LINE

COLD CLIMATE VY-24

VY-24 · 24,000 Btu/h

Full output held flat to –8 °C.

24,000 Btu/h held, then 22,400 at –15 and 12,000 at –30. Where that load would otherwise be split across two outdoor units, this does it with one set of line penetrations, one condensate run and one disconnect.



RATED COOLING	24,000 Btu/h
RATED HEATING, 47 °F	24,000 Btu/h
HEATING AT –15 °C	**22,400 Btu/h**
HEATING AT –30 °C	12,000 Btu/h
SEER2 / HSPF2 REGION V	22.5 / 8.6
REFRIGERANT	R-454B (A2L), GWP 466
POWER SUPPLY	208/230 V, 60 Hz, 1 ph
BREAKER	30 A
OUTDOOR UNIT	978 × 421 × 803 mm (38.5 × 16.6 × 31.6 in)
OUTDOOR SOUND	61 dB(A)
WARRANTY	Ten years compressor, five years parts

WHAT THE MARKET CHARGES

Senville AURA 24k · SEER2 21.0	2,399
VY-24 regular price, per unit	2,199
VY-24 installer price	1,869

our SEER2 is 1.5 points higher

RESERVE · NEXT SHIPMENT

CAD 2,199

per unit · $100 deposit per unit
Balance on pickup or delivery

INSTALLER PRICE

CAD 1,869

Registered installers · free account at vybuild.ca/installer-season-account/

Why this unit

- Holds its rated output where the winter actually bites, not just on the data sheet.
- Gold-coated anti-corrosive fin on **both** coils – specified for salt air.
- Base-pan heater fitted as standard, not an option box.
- ENERGY STAR and AHRI listed, so the provincial rebate can actually be claimed.

DELIVERY WINDOW

Next shipment: expected February–March 2027. $100 deposit per unit. Cancel free of charge until the container arrives; we return your deposit. Balance on pickup or delivery.

INCLUDED

Indoor unit with mounting plate · outdoor unit · infrared remote · drain hose and fittings · manual in English and French · base-pan heater fitted

CERTIFICATION

ENERGY STAR certified · AHRI reference 218399921 · both entries public and checkable before you order

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Prices in CAD, ex warehouse Charlottetown, before freight and tax.

VY-24 · 24,000 BTU/H

TECHNICAL DATA

Heating curve and full specification

22.5
SEER2

22,400
BTU/H AT −15 °C

−30 °C
KEEPS HEATING TO

Heating output by temperature

OUTDOOR TEMPERATURE	HEATING OUTPUT
47 °F · 8.3 °C	**24,000 Btu/h**
17 °F · −8 °C	**24,000 Btu/h**
5 °F · −15 °C	**22,400 Btu/h**
−5 °F · −20 °C	**20,500 Btu/h**
−13 °F · −25 °C	**15,000 Btu/h**
−22 °F · −30 °C	**12,000 Btu/h**

Sizing

Roughly 950–1,100 sq ft of cooling. As the only heat source in a well-insulated room through a PEI winter, size it at 600–800 sq ft.

Pick by the heating load, never the cooling load. An oversized unit short-cycles: it blasts, stops, blasts again, never reaches steady state, and pulls almost no moisture out of the air in a humid July.

Certification

ENERGY STAR certified · AHRI reference 218399921. Both entries are public. Look them up in the ENERGY STAR product finder and the AHRI directory before you order anything from us. Canadian rebate programs require an AHRI number; a unit without one cannot be claimed, which is how a cheaper box ends up costing more. The electrical safety mark and the NRCan verification are issued against the production run – you get the number in writing before the balance is due.

SPECIFICATION	VY-24
Model	KWSM-24IR454BHS22.5R
Rated cooling	24,000 Btu/h
SEER2	22.5
HSPF2, Region IV / V	10.0 / 8.6
EER2	12.0
Heating range	−30 °C to 24 °C
Refrigerant	R-454B (A2L), GWP 466, 1,580 g
Compressor	GMCC KTM240D43UMT2 twin-rotary
Power supply	208/230 V, 60 Hz, 1 ph
MCA / max fuse	21 A / 30 A
Indoor sound	49 – 32 dB(A)
Outdoor sound	61 dB(A)
Indoor unit W×D×H	1,097 × 222 × 332 mm (43.2 × 8.7 × 13.1 in)
Outdoor unit W×D×H	978 × 421 × 803 mm (38.5 × 16.6 × 31.6 in)
Weight, indoor / outdoor	14 kg (31 lb) / 60 kg (132 lb)
Pipe connections	5/8″ gas · 1/4″ liquid
Heat exchanger	Gold-coated anti-corrosive fin, both coils
Base-pan heater	Fitted as standard
Control	Infrared remote; Wi-Fi app optional
Warranty	Ten years compressor, five years parts

HOW TO BUY

Reserve at CAD 2,199 per unit with a $100 deposit per unit. Cancel free of charge until the container arrives. Balance on pickup or delivery. Installers: CAD 1,869.

NOT INCLUDED

Line set · wall sleeve and cover · condensate pump · outdoor bracket · disconnect and wiring · installation

INSTALLATION

R-454B is an A2L refrigerant. In Canada it must be handled by a technician holding a valid refrigerant handling certificate. We do not install.

VY Build Inc. · 27A Third Street, Charlottetown, PE C1E 3V4
902-916-8523 · fabian@vybuild.ca · **vybuild.ca**
Prices in CAD, ex warehouse Charlottetown, before freight and tax.

STANDARD LINE

STANDARD VY-23S

VY-23S · 23,000 Btu/h

The two-ton class without the two-ton price.

Certified at 23,000 Btu/h – not 24,000. It sits in the two-ton class and replaces a nominal 24,000 Btu/h unit in almost every application, but we quote the number the certificate carries, not the one on the carton. 18,600 Btu/h still available at –15 °C.



RATED COOLING	23,000 Btu/h
RATED HEATING, 47 °F	25,000 Btu/h
HEATING AT –15 °C	**18,600 Btu/h**
HEATING AT –25 °C	13,800 Btu/h
SEER2 / HSPF2 REGION V	23 / 8.2
REFRIGERANT	R-454B (A2L), GWP 466
POWER SUPPLY	208/230 V, 60 Hz, 1 ph
BREAKER	25 A
OUTDOOR UNIT	978 × 421 × 803 mm
OUTDOOR SOUND	54 dB(A)
WARRANTY	Ten years compressor, five years parts

WHAT THE MARKET CHARGES

Senville LETO 24k	1,699
VY-23S regular price, per unit	1,849
VY-23S installer price	1,572

R-32, not cold-climate listed

RESERVE · NEXT SHIPMENT

CAD 1,849

per unit · $100 deposit per unit
Balance on pickup or delivery

INSTALLER PRICE

CAD 1,572

Registered installers · free account at vybuild.ca/installer-season-account/

Why this unit

- SEER2 23–24 and R-454B where the budget brands still sell SEER2 20 on R-32.
- Gold-coated anti-corrosive fin on **both** coils – specified for salt air.
- ENERGY STAR certified and NEEP cold-climate listed, AHRI number public.
- The right buy when the head works alongside a furnace, a stove or baseboard.

DELIVERY WINDOW

Next shipment: expected February–March 2027. $100 deposit per unit. Cancel free of charge until the container arrives; we return your deposit. Balance on pickup or delivery.

INCLUDED

Indoor unit with mounting plate · outdoor unit · infrared remote · drain hose and fittings · manual in English and French

CERTIFICATION

ENERGY STAR certified · AHRI reference 215747791 · both entries public and checkable before you order

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VY-23S · 23,000 BTU/H

TECHNICAL DATA

Heating curve and full specification

23
SEER2

18,600
BTU/H AT −15 °C

−25 °C
KEEPS HEATING TO

Heating output by temperature

OUTDOOR TEMPERATURE	HEATING OUTPUT
47 °F · 8.3 °C	**25,000 Btu/h**
17 °F · −8 °C	**14,000 Btu/h**
5 °F · −15 °C	**18,600 Btu/h**
−5 °F · −20 °C	**15,600 Btu/h**
−13 °F · −25 °C	**13,800 Btu/h**

Sizing

Roughly 950–1,100 sq ft of cooling. As the only heat source in a well-insulated room through a PEI winter, size it at 500–650 sq ft.

Pick by the heating load, never the cooling load. An oversized unit short-cycles: it blasts, stops, blasts again, never reaches steady state, and pulls almost no moisture out of the air in a humid July.

Certification

ENERGY STAR certified · AHRI reference 215747791. Both entries are public. Look them up in the ENERGY STAR product finder and the AHRI directory before you order anything from us. Canadian rebate programs require an AHRI number; a unit without one cannot be claimed, which is how a cheaper box ends up costing more. The electrical safety mark and the NRCan verification are issued against the production run – you get the number in writing before the balance is due.

SPECIFICATION	VY-23S
Model	KWSM-24IR454BHS23R
Rated cooling	23,000 Btu/h
SEER2	23
HSPF2, Region IV / V	9.5 / 8.2
EER2	12
Heating range	−25 °C to 24 °C
Refrigerant	R-454B (A2L), GWP 466, 1,560 g
Compressor	SANYO C-6RZ210H1EBF rotary
Power supply	208/230 V, 60 Hz, 1 ph
MCA / max fuse	17 A / 25 A
Indoor sound	50/47/43/38/34 dB(A)
Outdoor sound	54 dB(A)
Indoor unit W×D×H	1,097 × 332 × 222 mm
Outdoor unit W×D×H	978 × 421 × 803 mm
Weight, indoor / outdoor	14 kg / 47.5 kg
Pipe connections	5/8″ gas · 1/4″ liquid
Heat exchanger	Gold-coated anti-corrosive fin, both coils
Base-pan heater	Optional
Control	Infrared remote; Wi-Fi app optional
Warranty	Ten years compressor, five years parts

HOW TO BUY

Reserve at CAD 1,849 per unit with a $100 deposit per unit. Cancel free of charge until the container arrives. Balance on pickup or delivery. Installers: CAD 1,572.

NOT INCLUDED

Line set · wall sleeve and cover · condensate pump · outdoor bracket · disconnect and wiring · installation

INSTALLATION

R-454B is an A2L refrigerant. In Canada it must be handled by a technician holding a valid refrigerant handling certificate. We do not install.

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WHAT THE MARKET OFFERS

COMPARISON & HOW TO BUY

The whole range, beside the brand you already know

Senville prices as published on senville.ca and homedepot.ca, 9 October 2026. The AURA series is the fair comparison for our Cold Climate line – R-454B, rated to –30 °C, ENERGY STAR. The LETO series is the fair comparison for our Standard line, except that LETO runs on R-32 and is not cold-climate listed.

MODEL	LINE	SEER2	HSPF2 V	HEATS TO	PRICE PER UNIT	INSTALLER PRICE	COMPARABLE
VY-12	Cold Climate	25.0	9.0	–30 °C	**1,549**	**1,317**	Senville AURA 1,699
VY-12S	Standard	24	8.6	–25 °C	**1,199**	**1,019**	Senville LETO 1,199
VY-18	Cold Climate	23.5	8.8	–30 °C	**1,949**	**1,657**	Senville AURA 2,099
VY-18S	Standard	23	8.2	–25 °C	**1,549**	**1,317**	Senville LETO 1,399
VY-24	Cold Climate	22.5	8.6	–30 °C	**2,199**	**1,869**	Senville AURA 2,399
VY-23S	Standard	23	8.2	–25 °C	**1,849**	**1,572**	Senville LETO 1,699
27k + 2	Multi-zone	20	–	–	**2,549**	**2,167**	–
27k + 3	Multi-zone	20	–	–	**2,899**	**2,464**	–

How reserving works

Reserve from the next shipment. The containers are ordered. You reserve a specific unit in your name at the price shown, with a $100 deposit per unit. You can cancel free of charge until the container arrives and we return your deposit. The balance is due on pickup or delivery in Charlottetown. The next shipment is expected in February–March 2027, and we send a status update at each step. Single units from stock are sold out until then.

Installer price. Registered installers pay the installer price shown in the table. A trade account is free: sign up at vybuild.ca/installer-season-account/ and we approve it after checking your business and refrigerant handling certificate. We sell units only and do not install.

Which line

If the head is the **only** heat in the room, buy Cold Climate. It holds its rated output at –15 °C and keeps running to –30 °C, and it ships with the base-pan heater fitted. If the unit works alongside a furnace, a stove or baseboard you are happy to run on the coldest twenty days, Standard is the better buy and the difference stays in your pocket.

What you can check before you buy

Every single-zone size in this range is **ENERGY STAR certified** and carries its own **AHRI reference number,** printed beside it on its own page. Both registers are public. Look the number up before you order, not after – Canadian rebate programs require it, and a unit without one cannot be claimed. The multi-zone sets are priced per set; for their specification see the product page.

We quote an electrical safety certificate number only once it has been issued against the production run. We do not inflate a capacity either: the 23,000 Btu/h unit is sold as 23,000 Btu/h, not as a two-ton, because that is the figure on its certificate. And where a competitor beats us on a number – the AURA 12k is 0.4 of a SEER2 point ahead of the VY-12 – it is in the table above rather than left out of it.

> All competitor figures as published by the manufacturer and its retailers, 9 October 2026. VY Build Inc. is not affiliated with any other company named here.

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