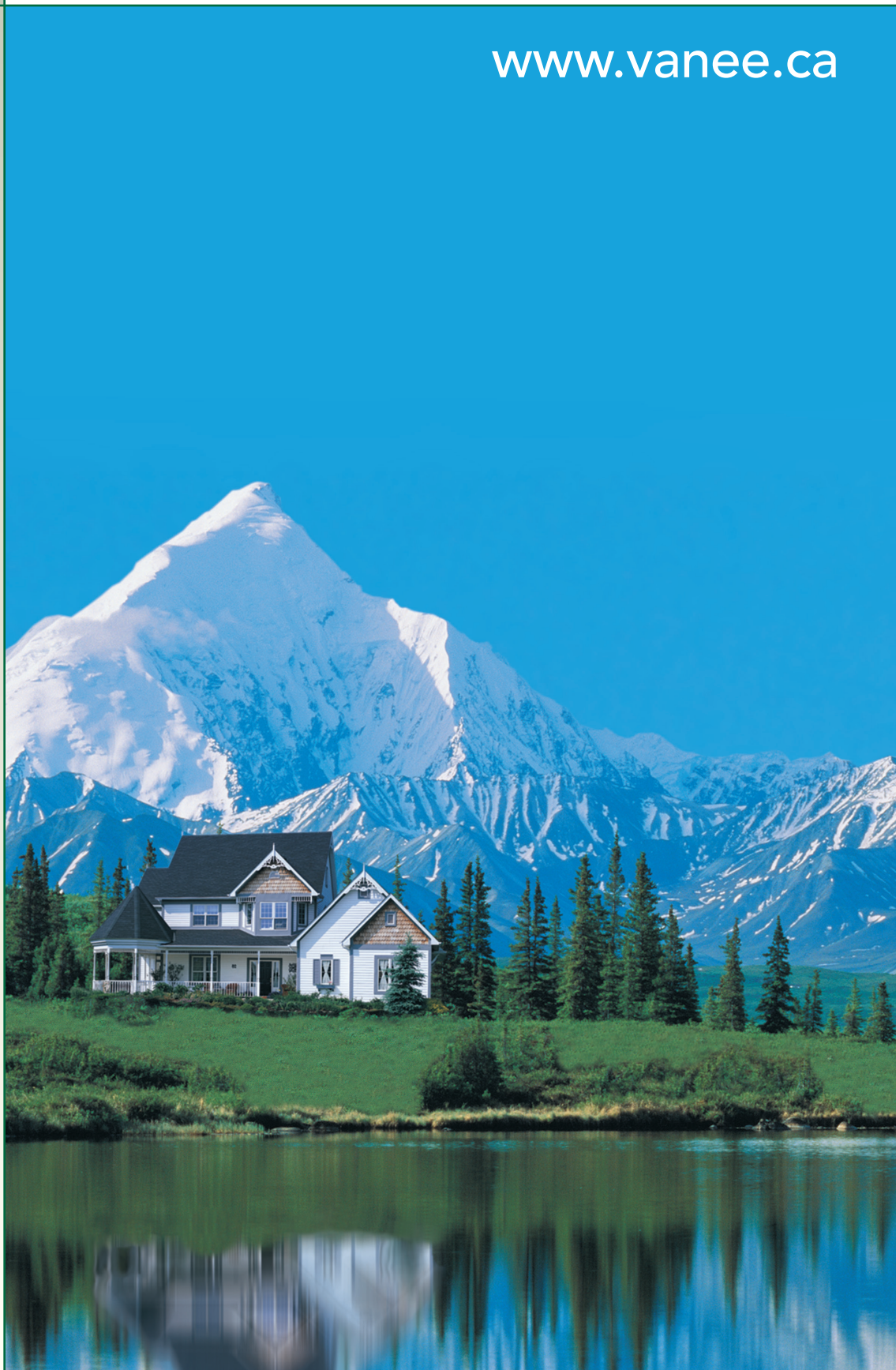




Indoor Air Quality Product Brochure

www.vanee.ca



Ventilation: A vital system for a healthy home

All homes require adequate ventilation for the safety of their occupants and to remove excess humidity, airborne pollutants and odors. As homes across the country are built and renovated with energy conservation in mind, they are more air-tight, and the need for balanced mechanical ventilation is even more obvious. Without fresh air, carbon dioxide, odors, dust, airborne pollutants and excess humidity are kept indoors, potentially causing or aggravating problems to occupants' health and comfort, and encouraging mold growth. Clearly, effective ventilation is a vital system in a healthy home. A balanced mechanical ventilation system with heat or energy recovery is an ideal way to meet both building codes and the requirements of many energy efficiency programs such as LEED®, ENERGY STAR®* for New Homes, Novoclimat™, BuiltGreen™, R2000 and many more.

vänEE®: Leading the way in indoor air quality technology

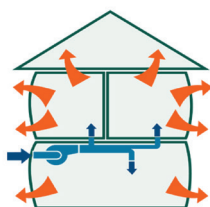
For over 30 years, vänEE has redefined ventilation by combining innovative technology, expertise and quality manufacturing to offer the most advanced and extensive lines of heat and energy recovery ventilators available. Our HRVs and ERVs will meet the ventilation requirements of practically all builders, remodelers and homeowners across North America.

vänEE units can be installed with multiple air intake and air exhaust grilles so they can revitalize every corner of a home. They can easily be integrated with the existing forced-air system or be installed independently. vänEE is a symbol of quality: all units are HVI and cUL certified and most are ENERGY STAR®* qualified. vänEE has been a member of the Home Ventilating Institute (HVI) since 1991, assuring customers that our products meet strict performance standards. vänEE is also a member of the Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI) who offers leadership and training programs for the advancement of its members' business and promotes a code of ethics for consumer protection and safety.

Before choosing a vänEE air exchanger model there are a few things homeowners and builders must consider, such as the importance of maintaining neutral indoor air pressure and how climate plays a crucial role in determining which type of air exchanger will provide the most benefit to a home indoor air environment.

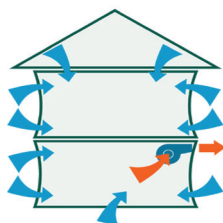
Equalizing indoor air pressure: a crucial balancing act

It is important not to neglect the impact of an unbalanced ventilation system. If an air exchange unit does not expel and intake equal amounts of air, a negative or positive air pressure imbalance occurs.



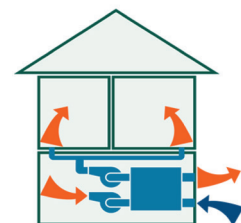
Positive air pressure

- Pushes hot and/or humid air into walls and insulation; condensation can lead to mold, mildew and rot
- Heat loss



Negative air pressure

- Infiltration of unconditioned air increases risks of mold and higher energy costs
- Potential backdraft from combustion appliances



Equal air pressure

- Supply airflow is equal (CFM) to stale air exhaust
- Balancing is required on all units unless specified otherwise.

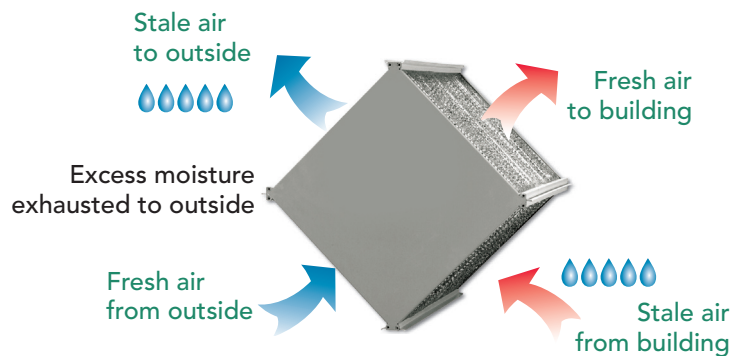
* This product earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

Which type of ventilator will respond best to the homeowners' environment? HRV or ERV?

Depending on your home geographical location, you will need to install one of the following categories of air exchanger: A Heat Recovery Ventilator (HRV) or an Energy Recovery Ventilator (ERV).

HRV - Heat Recovery Ventilator - Ideal for colder climates

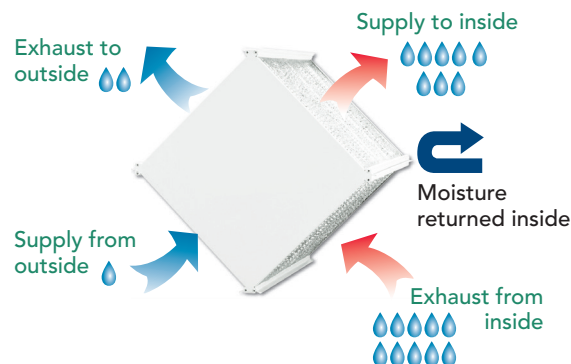
In colder climates, where home heating is essential, the heat recovery ventilator (HRV) is the proper choice. The HRV keeps the home supplied with a steady flow of fresh outdoor air. As stale, warm air is expelled, the heat recovery core warms the incoming fresh, colder air before it is distributed throughout the home. The result is a constant supply of fresh air, no unpleasant drafts and greater home comfort. In addition to heat recovery and improved air quality, the HRV provides necessary ventilation while controlling excess humidity.



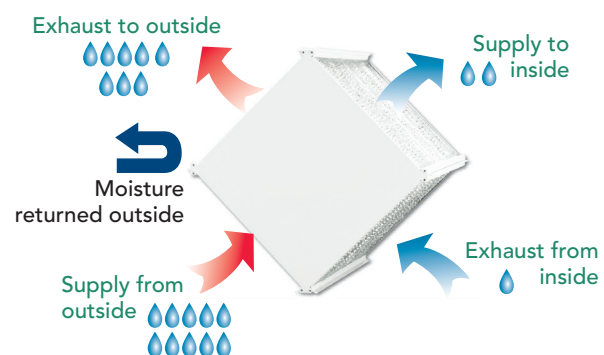
ERV - Energy Recovery Ventilator - Year-round ventilation

ERVs are suitable for all climates including those with hot, humid summers, where homes are air-conditioned and possibly dehumidified during large parts of the year. As the HRV, the ERV recovers the heat in cold season, however, it also recuperates the energy trapped in moisture, which greatly improves the overall recovery efficiency. The ERV process is as follows: In humid climates and air conditioned homes, when it is more humid outside than inside, the ERV limits the amount of moisture coming into your home. In dry climates and humidified homes, when the humidity level is reversed, the ERV limits the amount of moisture expelled from your home.

Heating Season



Cooling Season



Bronze Series

HRV - ERV - HORIZONTAL - VERTICAL

*The Complete Line
of Air Exchangers:
Economical and
Designed for New
Constructions*



Model No. 1601510
Dehumidistat no. 40240 included.

Air exchanger

- Ideal for bungalows or small surface areas
- Basic ventilation system, economic and robust, that controls excess humidity
- 2-year warranty on parts
- Mechanical air filtration



Model No. 44602

Model No. 44250

40H / 40E / 40H+ / 50H

- Ideal for condos, lofts and small homes
- Up to 90 CFM* according to model selection
- Our lowest priced HRV and ERV
- Fit almost anywhere such as a closet or above a hot water tank
- Available with horizontal or vertical ports (factory-configured)
- Quick and easy to balance and install with integrated hooks and drain fitting, chain and spring kit included
- Optional wall mount bracket available
- Quiet and efficient blower
- Energy efficient
- 5-year warranty on parts and ERV core; limited lifetime warranty on HRV core
- Washable core filters

60H HRV / 60H ERV / 60H+ HRV / 60H+ ERV

- Ideal choice for new single family small to mid-size homes, high-rise condos and other limited space applications
- Up to 120 CFM* according to model selection
- Simple to install in a bulkhead or closet with its unique slim design and compact footprint
- Easy to balance with integrated dampers and pressure taps
- Available with horizontal or vertical ports (factory-configured)
- 2-year warranty on parts (for 60H HRV / 60H ERV); 5-year warranty on parts (for 60H+ HRV / 60H+ ERV); limited lifetime warranty on HRV core
- Washable foam filters



Model No. 41600



Model No. 41606



Model No. 41656

70E / 70E+ / 70E+H

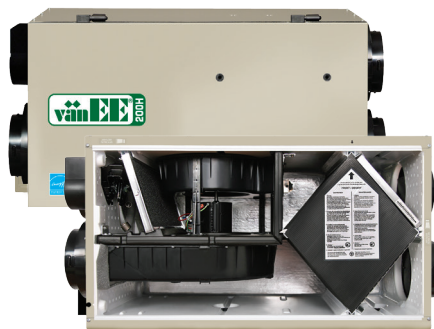
- Ideal for condos, lofts and small homes
- Ultra-slim; only 9 inches thick. The slimmest ERV available for high-rise towers
- The most energy efficient in its class
- The only Energy Star[®] qualified in its category
- The quietest in its category
- Innovative snap-fit and self-damping ceiling mountings for fast and easy installation
- No drain required
- Equipped with the ColdShield[™] cold protection system
- 5-year warranty on parts and ERV core
- Washable core filters



Model No. 41800

Model No. 41802

RESIDENTIAL VENTILATION SYSTEMS



Model No. 1601708

100H / 200H

- Ideal for mid to large size homes
- Offer ventilation features to meet codes and standards at a value-conscious price.
- Quick, effective installation: pressure taps, balancing dampers, integrated "snap-in" drain system and straps for insulated ducts
- Equipped with a heat recovery core (limited lifetime warranty)
- 5-year warranty on parts
- Washable foam filters







Model No. 1601717

Novo+™ 100H / 200H

(Available only in Quebec)

- Meet the requirements of the Novoclimat™ program for homes in Quebec
- Offer a recirculation mode for a continuous airflow
- Quick and effective installation
- 5-year warranty on parts

Bronze Series Specifications

	Model No.	Port location	Port size	Rate of air flow (cfm)* (low-high)	Power consumption (low speed)	Apparent sensible effectiveness at 0°C (low speed)	Dimensions (Height) (Width) (Depth)	Weight (approx.)	Quantity per Skid
E.A.	1601510	Sides	6" round (15 cm)	50	200 W	s.o.	12 1/4" (31.1 cm) 18 1/4" (46.6 cm) 15" (38.1 cm)	40 lb. (18 kg)	24
40H	44250***	Top	4" round (10.2 cm)	35-70	40 W	70%	16 1/4" (41.28 cm) 15 1/2" (39.37 cm) 15 5/8" (39.69 cm)	30 lb. (13.6 kg)	18
40E	44262	Top	4" round (10.2 cm)	35-70	34 W	77%	16 1/4" (41.28 cm) 15 1/2" (39.37 cm) 15 5/8" (39.69 cm)	34 lb. (15.4 kg)	18
	44263	Sides	4" round (10.2 cm)	35-70	34 W	77%	16 1/4" (41.28 cm) 15 1/2" (39.37 cm) 15 5/8" (39.69 cm)	34 lb. (15.4 kg)	12
40H+	 44252	Top	4" round (10.2 cm)	37-77	37 W	80%	16 1/4" (41.28 cm) 15 1/2" (39.37 cm) 15 5/8" (39.69 cm)	30 lb. (13.6 kg)	18
	 44253	Sides	4" round (10.2 cm)	37-77	37 W	80%	16 1/4" (41.28 cm) 15 1/2" (39.37 cm) 15 5/8" (39.69 cm)	30 lb. (13.6 kg)	12
50H	 44600	Top	4 po rond (10,2 cm)	47-90	39 W	75%	16 1/4" (41.28 cm) 15 1/2" (39.37 cm) 15 5/8" (39.69 cm)	30 lb. (13.6 kg)	18
	 44602	Sides	4 po rond (10,2 cm)	47-90	39 W	75%	16 1/4" (41.28 cm) 15 1/2" (39.37 cm) 15 5/8" (39.69 cm)	30 lb. (13.6 kg)	12

Bronze Series Specifications

	Model No.	Port location	Port size	Rate of air flow (cfm)* (low-high)	Power consumption (low speed)	Apparent sensible effectiveness at 0°C (low speed)	Dimensions (Height) (Width) (Depth)	Weight (approx.)	Quantity per Skid
60H HRV	 ** 41600	Sides	oval, fit 5" round (12.5 cm)	39-98	43 W	74%	12 3/16" (31 cm) 27 1/16" (68.8 cm) 19 13/16" (50.3 cm)	42 lb. (19 kg)	12
	 ** 41602	Top	oval, fit 5" round (12.5 cm)	39-98	43 W	74%	14 11/16" (37.3 cm) 22 9/16" (57.4 cm) 19 13/16" (50.3 cm)	42 lb. (19 kg)	10
60H ERV	 ** 41604	Sides	oval, fit 5" round (12.5 cm)	45-105	42 W	79%	12 3/16" (31 cm) 27 1/16" (68.8 cm) 19 13/16" (50.3 cm)	45 lb. (20.4 kg)	12
	 ** 41606	Top	oval, fit 5" round (12.5 cm)	45-105	42 W	79%	14 11/16" (37.3 cm) 22 9/16" (57.4 cm) 19 13/16" (50.3 cm)	45 lb. (20.4 kg)	10
60H+ HRV	 ** 41650	Sides	oval, fit 5" round (12.5 cm)	64-115	43 W	74%	16 1/4" (41.3 cm) 27 1/16" (68.8 cm) 19 13/16" (50.3 cm)	42 lb. (19 kg)	10
	 ** 41652	Top	oval, fit 5" round (12.5 cm)	64-115	43 W	74%	16 1/4" (41.3 cm) 23 3/4" (60.3 cm) 19 13/16" (50.3 cm)	42 lb. (19 kg)	12
60H+ ERV	 ** 41654	Sides	oval, fit 5" round (12.5 cm)	64-120	42 W	79%	12 3/16" (31 cm) 27 1/16" (68.8 cm) 19 13/16" (50.3 cm)	45 lb. (20.4 kg)	12
	 ** 41656	Top	oval, fit 5" round (12.5 cm)	64-120	42 W	79%	14 11/16" (37.3 cm) 22 9/16" (57.4 cm) 19 13/16" (50.3 cm)	45 lb. (20.4 kg)	10
70E	41800	Sides	5" round (12.7 cm)	50-100	44 W	75%	9" (22.86 cm) 27 1/8" (68.9 cm) 20" (50.8 cm)	32 lb. (14.5 kg)	12
70E+ ERV	 ** 41802	Sides	5" round (12.7 cm)	50-100	40 W	75%	9" (22.86 cm) 27 1/8" (68.9 cm) 23 1/8" (58.7 cm)	35 lb. (15.9 kg)	12
70En+	 ** 41806	Sides	5" round (12.7 cm)	50-100	40 W	75%	9" (22.86 cm) 27 1/8" (68.9 cm) 23 1/8" (58.7 cm)	35 lb. (15.9 kg)	12
100H	 ** 1601706	Sides	6" round (15 cm)	66-150	67 W	79%	16 1/2" (42 cm) 35" (89.1 cm) 17 1/8" (43.5 cm)	65 lb. (29.5 kg)	9
200H	 ** 1601708	Sides	6" round (15 cm)	82-192	71 W	75%	16 1/2" (42 cm) 35" (89.1 cm) 17 1/8" (43.5 cm)	65 lb. (29.5 kg)	9
Novo+ 100H	 ** 1601717	Sides	6" round (15 cm)	66-150	67 W	79%	16 1/2" (42 cm) 35" (89.1 cm) 17 1/8" (43.5 cm)	65 lb. (29.5 kg)	9
Novo+ 200H	 ** 1601719	Sides	6" round (15 cm)	82-192	71 W	75%	16 1/2" (42 cm) 35" (89.1 cm) 17 1/8" (43.5 cm)	65 lb. (29.5 kg)	9

* CFM at 0.4 in. w.g. (100 Pa)

** This product earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

*** Dehumidistat control included with 44250 model.

Refer to p.16 for a detailed list of compatible wall controls.

40H/40E/50H: Wall mount bracket kit No. 19255 (sold separately).

Silver Series

*The Most Efficient
and Environmentally-
Friendly Air Exchangers*





HRV - ERV - VERTICAL



60H-V+ / 90H-V+ 90H-V ECM HRV / 90H-V ECM ERV

- Ideal for high performance small to large-size homes
- Equipped with 2 powerful and reliable PSC motors or 2 state-of-the-art ECM motors providing significant electrical consumption savings (67% average compared to standard motors)
- All aspects designed to facilitate air flow balancing and simplify installation
- No drain required for most climate zones (ERV only)
- 5-year warranty on parts and ERV core; limited lifetime warranty on HRV core
- Washable core filters

Silver Series Specifications

	Model No.	Port location	Port size	Rate of air flow (cfm)* (low-high)	Power consumption (low speed)	Apparent sensible effectiveness at 0°C (low speed)	Dimensions (Height) (Width) (Depth)	Weight (approx.)	Quantity per Skid
60H-V+	 ** 1601620	Top	oval, fit 6" round (15 cm)	50-105	42 W	84%	24 9/16" (62.4 cm) 23 9/16" (59.9 cm) 14 15/16" (38 cm)	52 lb. (23.6 kg)	10
90H-V+	 ** 1601635	Top	oval, fit 6" round (15 cm)	65-155	54 W	83%	24 9/16" (62.4 cm) 23 9/16" (59.9 cm) 14 15/16" (38 cm)	52 lb. (23.6 kg)	10
90H-V ECM HRV	 ** 43906	Top	oval, fit 6" round (15 cm)	40-80 40-125 55-125 65-157 85-157	24 W to 49 CFM 32 W to 81 CFM	83% to 49 CFM 78% to 81 CFM	24 9/16" (62.4 cm) 23 9/16" (59.9 cm) 14 15/16" (38 cm)	52.4 lb. (23.8 kg)	10
90H-V ECM ERV	 ** 43916	Top	oval, fit 6" round (15 cm)	40-80 40-125 55-125 65-140 85-140	24 W to 52 CFM 36 W to 83 CFM	73% to 52 CFM 71% to 83 CFM	24 9/16" (62.4 cm) 23 9/16" (59.9 cm) 14 15/16" (38 cm)	65 lb. (29.5 kg)	10

* CFM at 0.4 in. w.g. (100 Pa)

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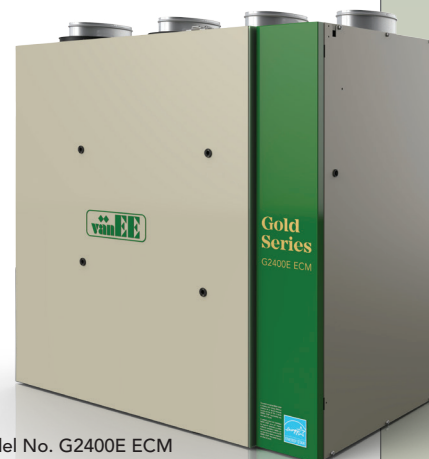
Refer to p.16 for a detailed list of compatible wall controls.

Gold Series

The Peak of Fresh Air is here

G2400H ECM / G3000H ECM G2400E ECM / G3000E ECM





- Up to 60% less power consumption¹
- Highest heat recovery in cold conditions²
- Up to 3 times beyond current ENERGY STAR® requirements³
- Merv 6 grade filters and optional HEPA filtration
- Electronic balancing and no balancing dampers
- Exclusive X-Touch wall control



Model No. G2400E ECM

- 1 Based on the CFM/Watt performance of the ENERGY STAR product lists of heat/energy recovery ventilators posted on December 2015.
 2 G2400HE model. Based on the SRE% performance at -25°C of the ENERGY STAR product lists of heat/energy recovery ventilators posted on December 2015.
 3 CFM/Watt requirement of the heat/energy recovery ventilation (HRVs) and (ERVs)-ENERGY STAR technical specifications. Version 2.0.

Gold Series Specifications

		Model No.	Port location	Port size	Rate of air flow (cfm)* (low/high)	Power consumption (low speed)	Apparent Sensible Effectiveness at 0°C (low speed)	Dimensions (Height) (Width) (Depth)	Weight (approx.)	Quantity per Skid
New	G2400H ECM	 ** G2400HE	Top	oval, fit 6" round (15 cm)	50-226	19 W	80%	31" (78.74 cm) 32" (81.28 cm) 20" (50.8 cm)	82 lb. (37.3 kg)	3
New	G2400E ECM	 ** G2400EE	Top	oval, fit 6" round (15 cm)	50-210	22 W	84%	31" (78.74 cm) 32" (81.28 cm) 20" (50.8 cm)	96 lb. (43.6 kg)	3
New	G3000H ECM	 ** G3000HE	Top	oval, fit 6" round (15 cm)	50-241	18 W	75%	31" (78.74 cm) 32" (81.28 cm) 20" (50.8 cm)	84 lb. (38.2 kg)	3
New	G3000E ECM	 ** G3000EE	Top	oval, fit 6" round (15 cm)	50-250	18 W	75%	31" (78.74 cm) 32" (81.28 cm) 20" (50.8 cm)	81 lb. (36.8 kg)	3

* CFM at 0.4 in. w.g. (100 Pa)

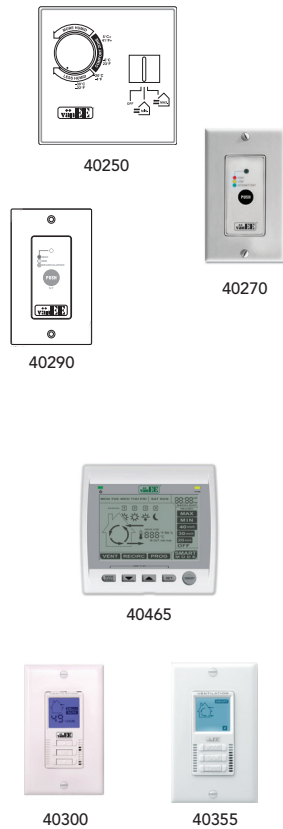
** This product earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

Refer to p.16 for a detailed list of compatible wall controls.

RESIDENTIAL VENTILATION SYSTEMS

Wall Controls

Main Wall Controls

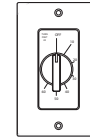


Part Number	Model	Compatibility
40250	Bronze (OFF, low/high exchange speed, dehumidistat)	40E / 40H+ / 50H 60H HRV / 60H ERV / 60H+ HRV / 60H+ ERV 70E / 70E+ / 70EN+ 100H / 200H 60H-V+ / 90H-V+
40270	Lite-Touch Bronze (OFF, low/high exchange speed, intermittent 20 min/h)	40E / 40H+ / 50H 60H HRV / 60H ERV / 60H+ HRV / 60H+ ERV 70E / 70E+ / 70EN+ 100H / 200H 60H-V+ / 90H-V+
40290	Simple-Touch Bronze (OFF, low/high exchange speed, recirculation)	40E / 40H+ / 50H 60H HRV / 60H ERV / 60H+ HRV / 60H+ ERV 70E+ / 70EN+
40465	Platinum (Programmable, SMART mode, LCD display)	40E / 40H+ / 50H 60H HRV / 60H ERV / 60H+ HRV / 60H+ ERV 70E+ / 70EN+ Novo+ 100H / 200H 60H-V+ / 90H-V+ 90H-V ECM HRV / 90H-V ECM ERV 1001 HRV / 1001 ERV 2001 HRV / 2001 ERV 2000 HE / 3000 HE
40300	Deco-Touch (OFF, min/max exchange speed, intermittent 20 min/h, recirculation, dehumidistat override)	40E / 40H+ / 50H 60H HRV / 60H ERV / 60H+ HRV / 60H+ ERV 70E (no recirculation) 70E+ / 70EN+ 100H / 200H (no recirculation) Novo+ 100H / 200H 60H-V+ / 90H-V+ 90H-V ECM HRV / 90H-V ECM ERV 1001 HRV / 1001 ERV 2001 HRV / 2001 ERV 2000 HE / 3000 HE
40355	Gold-Touch (standby, recirculation, 20 min/h, continuous, turbo, smart, smart ECO, dehumidistat)	G2400H ECM / G2400E ECM G3000H ECM / G3000E ECM

Optional Wall Controls

Optional Controls

Part Number	Model	Compatibility
00910	60-minute mechanical timer (up to 60 minutes of high speed operation)	All models
200694	Dehumidistat 24 V / 120 V	All models
1806110	20-minute lighted push button (20 min. of high speed ventilation)	All models
03701	20/40/60-minute lighted push button (20/40/60 minutes of high speed ventilation)	40E / 40H+ / 50H Novo+ 100H / 200H 70E+ / 70EN+ 60H-V+ / 90H-V+ 90H-V ECM HRV / 90H-V ECM ERV 11001 HRV / 1001 ERV 2001 HRV / 2001 ERV 2000 HE / 3000 HE G2400H ECM / G2400E ECM G3000H ECM / G3000E ECM
21894	Round knob for control dehumidistat	40250 / 200694
21895	Sliding switch for wall controls	40250



00910



200694



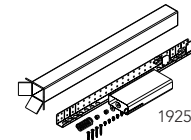
1806110



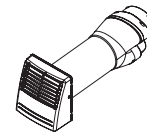
03701

Installation Accessories

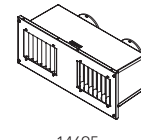
Part Number	Model	Compatibility
19255	40H / 40E / 40H+ / 50H wall mount bracket kit	40H / 40E / 40H+ / 50H units
14690	Condensed kit (Y-Tandem, complete exterior vent, screws))	Bronze 60H
14695	Simplified metal installation kit (tandem)	Bronze 60H



19255



14690



14695



We know air inside out

**Leading the way in
indoor air quality technology.**



With many years of experience and innovation, vănEE is a manufacturer of residential ventilation and filtration systems, and light commercial ventilation systems, whose products are sold exclusively in Canada.

vănEE

550 Lemire Blvd.
Drummondville, Quebec
J2C 7W9

 A Nortek Company

Customer Service

Phone: 1-800-567-3855
Fax: 1-800-567-1715

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