

**vănEE G3000E ECM**

**Part no. G3000EE**

50 to 241 CFM (0.4 in. w.g.)



VB0233

**THE PEAK OF FRESH AIR IS HERE**

The whole home ventilation system is a centerpiece of today's energy-efficient homes. vănEE introduces its new Gold Series that combines the best performance with the best energy efficiency to provide fresher, purer air in your home at a lower overall operating cost. That's Pure Efficiency.

The G3000E ECM is the perfect solution for mid to large size homes in need for the most energy-efficient ventilation solution.

- Up to 241 CFM at 0.4 in. w.g.
- High efficiency energy recovery core with a sensible recovery efficiency of 75% at 0°C (32°F) and 65% at -25°C (-13°F)
- German-made ECM\* motors
- Minimal power consumption of 18W and 3.6 CFM/Watt at 64 CFM
- Merv 6 grade filters and optional HEPA filtration
- Electronic balancing and no balancing dampers
- Included wall mounting bracket

\*Electronically Commutated Motor.

**REPAIRS AND MAINTENANCE**

The G3000E ECM high output ECM motors are permanently lubricated. The electronic circuit board eliminates electromechanical parts, reducing repair time to a minimum.

**WARRANTY**

The G3000E ECM is protected by a 5-year warranty on parts only, except for the energy recovery core, which is covered by a 10-year warranty, with the original proof of purchase.

Available at:

**ENERGY RECOVERY VENTILATOR**

**Controls**

The exclusive Gold-Touch wall control is the only compatible wall control with the new Gold Series. At installation, balance the unit with the help of the Gold-Touch main control to perform electronic balancing, without balancing dampers!

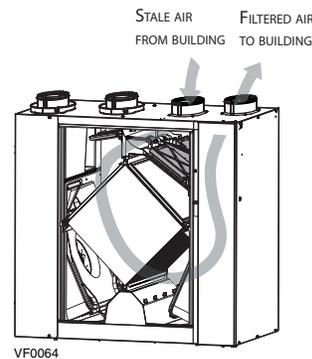
For more details about the control, refer to the User Guide - Main and auxiliary wall controls available at [www.vanee.ca](http://www.vanee.ca).

**Options**

HEPA Filter 21996

Additional 0.3 in. w.g. static pressure at highest speed to be considered. Refer to the HEPA filter instructions for more details.

**Homeshield™ Defrosting System**



The G3000E ECM uses a unique defrosting method. No negative pressure is created by air exhausted to the outdoors, as the air is recirculated into the house, helping to prevent any backdraft.

With the help of the Gold-Touch wall control, this unit allows 3 defrost modes:

- Standard (factory set regular mode)
- Plus (extended defrost for colder areas)
- Discretion (keeps the same speed when performing defrost as performing ventilation)

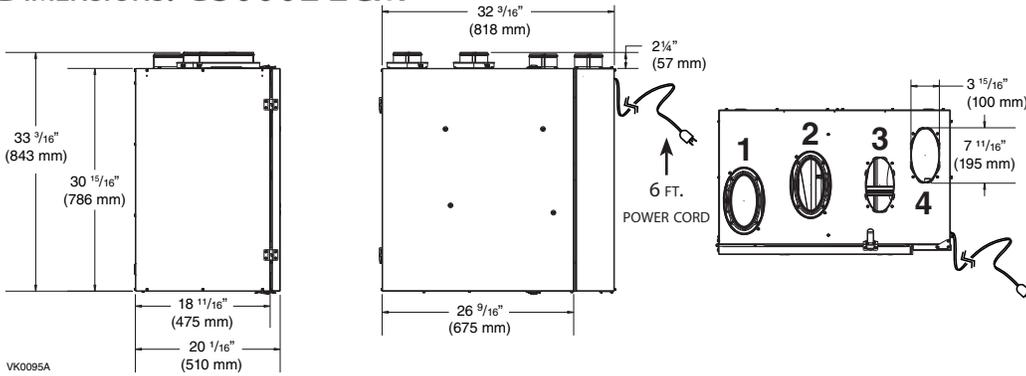
OUTDOORS TEMPERATURE*		DEFROST IN MINUTES / AIR EXCHANGE IN MINUTES					
		STANDARD		DISCRETION		PLUS	
°C	°F	CONTINUOUS MODE	TURBO FUNCTION	CONTINUOUS MODE	TURBO FUNCTION	CONTINUOUS MODE	TURBO FUNCTION
-27 and less	-17 and less	10/25	10/20	18/25	18/20	15/20	15/15
-20 to -27	-4 to -17	8/28	8/23	16/28	16/23	12/20	12/15
-15 to -20	5 to -4	8/35	8/30	16/35	16/30	10/25	10/20
-10 to -15	14 to 5	8/45	8/40	16/45	16/40	10/30	10/25
<b>WARMER THAN -10</b>	<b>WARMER THAN 14</b>	<b>NO DEFROST</b>					

\*Outdoor temperature is read by a thermistor located inside the unit, next to fresh air from outside port.

**Requirements and standards**

- Complies with the UL 1812 requirements regulating the installation of Energy Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA F326 requirements regulating the installation of Energy Recovery Ventilators
- Technical data was obtained from published results of tests relating to CSA C439 Standards
- HVI certified and ENERGY STAR® qualified

# DIMENSIONS: G3000E ECM



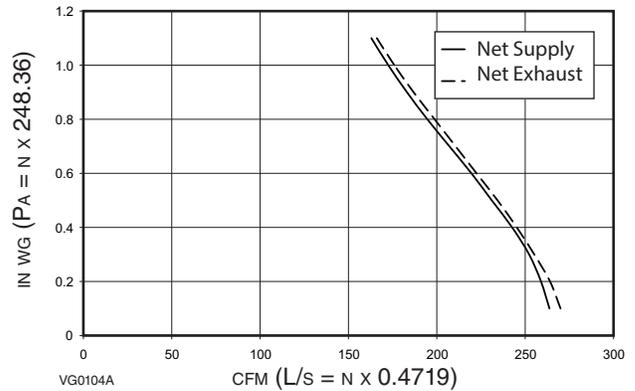
NOTE: ALL UNITS PORTS WERE CREATED TO BE CONNECTED TO DUCTS HAVING A MINIMUM OF 6" DIAMETER, BUT IF NEEDED, THEY CAN BE CONNECTED TO BIGGER SIZED DUCTS BY USING AN APPROPRIATE TRANSITION (E.G.: 6" DIAMETER TO 7" DIAMETER TRANSITION).

- 1: EXHAUST AIR TO OUTSIDE PORT
- 2: FRESH AIR FROM OUTSIDE PORT
- 3: EXHAUST AIR FROM BUILDING PORT
- 4: FRESH AIR TO BUILDING PORT

## VENTILATION PERFORMANCE

EXTERNAL STATIC PRESSURE		NET SUPPLY AIR FLOW			GROSS AIR FLOW					
					SUPPLY			EXHAUST		
PA	IN. W.G.	L/S	CFM	M <sup>3</sup> /H	L/S	CFM	M <sup>3</sup> /H	L/S	CFM	M <sup>3</sup> /H
25	0.1	125	265	448	126	267	455	128	271	459
50	0.2	122	259	440	124	263	447	125	265	448
75	0.3	119	252	428	121	256	433	121	256	433
100	0.4	115	244	413	116	246	418	116	246	418
125	0.5	109	231	392	111	235	399	111	235	399
150	0.6	104	220	374	105	222	379	105	222	379
175	0.7	98	208	352	99	210	357	100	212	358
200	0.8	92	195	331	93	197	336	94	199	338
225	0.9	87	184	311	88	186	316	88	186	318
250	1.0	82	174	294	82	174	297	83	176	299
275	1.1	77	163	277	78	165	282	78	165	282

## FAN CURVES ACCORDING TO SPEED



FULLY ADJUSTABLE SPEED RANGE FROM 50 CFM TO MAXIMUM SPEED.

## ENERGY PERFORMANCE

SUPPLY TEMPERATURE		NET AIR FLOW			POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS*	LATENT RECOVERY/MOISTURE TRANSFER
°C	°F	L/S	CFM	M <sup>3</sup> /H					
HEATING									
0	32	30	64	109	18	75	76	80	0.62
0	32	55	117	199	31	72	73	77	0.52
0	32	80	170	289	67	68	71	74	0.46
-25	-13	30	64	109	29	65	66	82	0.65
-25	-13	52	110	187	49	60	62	79	0.53
COOLING									
35	95	30	64	107	18	65		66	
35	95	70	148	253	55	55		56	

\*Data not certified by HVI.

NOTE: All specifications are subject to change without notice.

## SPECIFICATIONS

- Model: G3000E ECM
- Part Number: G3000EE
- Total Assembled Weight (including polymerized paper core): 96 lb. (44 kg)
- Oval shaped ports; fit 6" round ducts
- Drains: Optional
- Core Filters: 2 washable Merv 6 filters
- Housing: Pre-painted steel
- Optional HEPA Filter
- Insulation: Expanded polystyrene
- Mounting: Suspension by chains and springs or wall bracket system
- Supply and Exhaust Blower Motors:
  - 2 German-made ECM motors
  - Protection type: Thermally protected
- Gold-Touch wall control offering 5 manual modes: Recirculation, 20 MIN/H, Continuous, Smart and Turbo
- Energy Recovery Core:
  - Dimensions: 12" x 12" x 16.6" (30.5 cm x 30.5 cm x 42.2 cm)
  - Exchange surface: 168 ft.<sup>2</sup> (15.6 m<sup>2</sup>)
  - Weight: 14 lb. (6.4 kg)
  - Type: Cross flow
  - Material: Polymerized paper
  - Warranty: 10 years
- Unit Electrical Characteristics:
 

Volts	Frequency	Amps	Watts
120	60 Hz	2.2	135

Project:	REMARKS
Location:	
Part no.: G3000EE	
Qty.:	
Submitted by: _____ Date: _____	



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www.vanee.ca

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