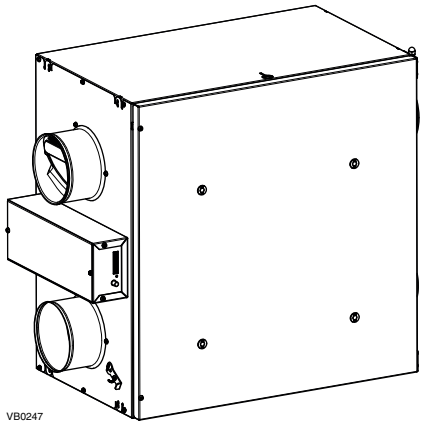
# ENERGY RECOVERY VENTILATOR

**NERV65S**
**Part no. NERV65S**
66 to 129 CFM (0.4 in. w.g.)




## *VERSATILE AND DESIGNED WITH THE INSTALLER IN MIND*

The NERV65S was created to respond to the builder's and contractor's needs for new residential construction and regulatory requirements. While reliable and durable, it is a cost-effective solution that can be installed quickly and easily in medium to large-sized homes, thanks to these features:

- Energy recovery core with a sensible recovery efficiency of 75% at 0°C and -10°C
- Pressure taps, balancing dampers and integrated hooks for quick, effective installation
- No drain tubing required
- Magnetic backdraft damper in the fresh air from outside and the exhaust air from building ports
- Reversible for greater installation flexibility
- 6' power cord
- Very quiet operation
- ENERGY STAR® qualified

### REPAIRS AND MAINTENANCE

All parts of the NERV65S can be removed in less than five minutes, allowing direct access for easy repairs. The low power consumption motor is permanently lubricated. Finally, the electronic circuit board eliminates electromechanical parts, reducing repair time to a minimum.

### WARRANTY

The NERV65S is protected by a 5-year warranty on parts. The energy recovery core is covered by 5-year warranty, with the original proof of purchase.

Available at:

## *Controls*

- This unit is very simple to operate. Once it is installed, press on the push button located on the front of the electrical box to activate it. Press once for low speed, once again for high speed, and once more to stop it.
- For more convenience, this unit can also be controlled by an optional main control, the Deco-Touch. The 20-minute push button auxiliary control can also be used
- For more details about controls, refer to the User and installer manual.

## *Options*

- Deco-Touch main wall control (part no. 40430)
- 20-minute push-button timer (part no. 40385)
- MERV 8 filters (part no. V65683)

## *Defrost Cycles (exhaust only defrost)*

- Choice of regular or extended defrost cycles, according to climatic conditions.
- To set extended defrost cycle, refer to the manual.

| Low Speed Defrost Cycles | | | |
|---|---|---|---|
| Outdoor Temperature* | | Defrost in Minutes / Air Exchange in Minutes | |
| °C | °F | Regular | Extended |
| Warmer than -12 | Warmer than 10 | No defrost | No defrost |
| from -12 to -17 | from 10 to 1 | 6/40 | 12/35 |
| from -17 to -27 | from 1 to -17 | 6/20 | 12/20 |
| -27 and less | -17 and less | 8/12 | 12/15 |

| High Speed Defrost Cycles | | | |
|---|---|---|---|
| Outdoor Temperature* | | Defrost in Minutes / Air Exchange in Minutes | |
| °C | °F | Regular | Extended |
| Warmer than -12 | Warmer than 10 | No defrost | No defrost |
| from -12 to -17 | from 10 to 1 | 9/40 | 12/30 |
| from -17 to -27 | from 1 to -17 | 9/20 | 12/16 |
| -27 and less | -17 and less | 9/12 | 12/12 |

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

## *Energy Recovery Core*

Dimensions: 12" x 12" x 12" (30.5 cm x 30.5 cm x 30.5 cm)

Material: Polymerized paper and aluminium

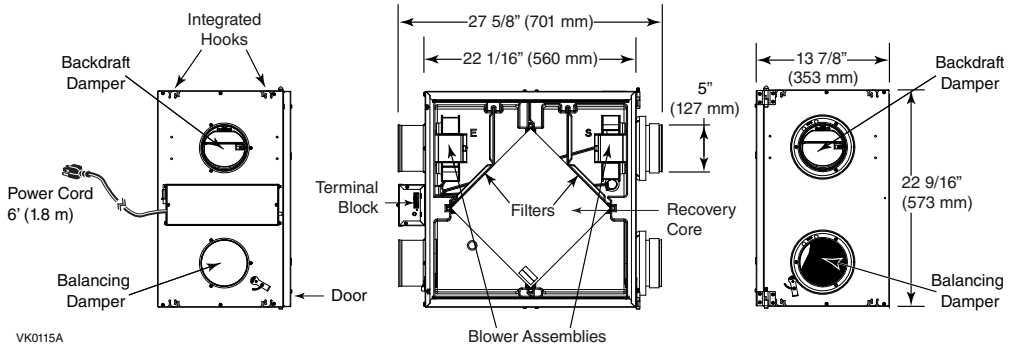
Type: Crossflow core

Warranty: 5 years

## *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

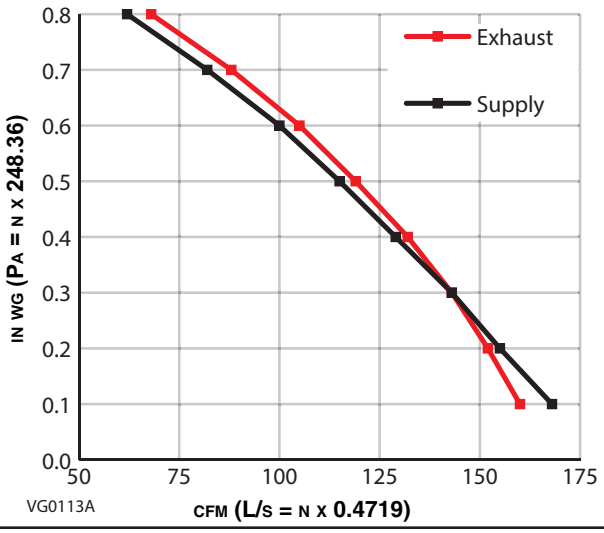
## Dimensions: NERV65S




## Ventilation Performance

| External Static Pressure | | Net Supply Air Flow | | Gross Air Flow | | | |
|---|---|---|---|---|---|---|---|
| | | | | Supply | | Exhaust | |
| Pa | in. w.g. | L/s | CFM | L/s | CFM | L/s | CFM |
| 25 | 0.1 | 79 | 167 | 79 | 167 | 76 | 161 |
| 50 | 0.2 | 73 | 155 | 73 | 155 | 72 | 153 |
| 75 | 0.3 | 67 | 142 | 67 | 142 | 67 | 142 |
| 100 | 0.4 | 61 | 129 | 61 | 129 | 62 | 131 |
| 125 | 0.5 | 54 | 114 | 54 | 114 | 56 | 119 |
| 150 | 0.6 | 47 | 100 | 47 | 100 | 49 | 104 |
| 175 | 0.7 | 39 | 83 | 39 | 83 | 41 | 87 |
| 200 | 0.8 | 29 | 61 | 29 | 61 | 32 | 68 |

*All specifications are subject to change without notice.*




## 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 | | | | | |
| Heating | | | | | | | | |
| 0 | 32 | 30 | 64 | 62 | 75 | 81 | 82 | 0.67 |
| 0 | 32 | 55 | 117 | 120 | 70 | 78 | 78 | 0.60 |
| -10 | 14 | 30 | 64 | 62 | 75 | 79 | 82 | 0.70 |
| -25 | -13 | 30 | 64 | 57 | 60 | 61 | 81 | 0.51 |
| Cooling | | | | | Total recovery efficiency | | Adjusted total recovery efficiency | |
| 35 | 95 | 30 | 64 | 60 | 60 | | 64 | |

** Data not certified by HVI.*

## Specifications and Ratings

- Model: NERV65S
- Part Number: NERV65S
- Total Assembled Weight (incl. core): 44 lb (20 kg)
- Shipping Weight : 50.5 lb (23 kg)
- Filters: Merv 6 washable reticulated foam
  12" x 12" x 0.5"
  (30.5 cm x 30.5 cm x 1.3 cm)
- 5" Round Ports
- Housing: Pre-painted steel
- Insulation: Expanded polystyrene
- Mounting: Suspension by chains
- Supply & Exhaust Blower Motors:
  2 PSC Motors
  - Protection type: Thermally protected
  - Insulation class: B
- Integrated Control: OFF/Low/High.
  Other modes available with Deco-touch optional main wall control.
- Energy Recovery Core:
  - Type: Crossflow
  - Material: Polymerized paper and aluminium
- Unit Electrical Characteristics:
  120 volts, 60 Hz, 1.2 amps, 144 watts

| Project: | REMARKS |
|---|---|
| Location: | |
| Part Number: NERV65S | |
| Quantity: | |
| Submitted by: Date: | |