Model FC150HRV  
Heat Recovery Ventilator  
30 CFM (14 L/s) to 160 CFM (76 L/s)  
Part No. 60510006150

**Features**  
- 3 operating modes (Intermittent, Continuous & High)  
- 100% variable speed  
- ISF™ 6" (152.5 mm) dia. collar system  
- Proportional defrost sequence  
- SPM™ Single Person Mounting system  
- Permanent lubrication of PSC motors  

**Applicable Requirements**  
- HVI Certified  
- CSA C439 Standard - Packaged Heat/Energy Recovery Ventilators (HRV/ERV)  
- CSA Standard CSA 22.2 N.113-10 - Fans and ventilators  
- UL Standard 1812 2nd Ed. Ducted Heat/Energy Recovery Ventilators (HRV/ERV)  

**Optional Accessories**  
- MERV 8 Inline 6" (152.5 mm) filter box  
- R-2 Style high performance supply & exhaust ventilation hoods  

**Cabinet**  
- 20 gauge galvanized pre-painted steel corrosion resistant  
- Cabinet liner: Molded Expanded Polystyrene (EPS) 
  Rated UL94 HF-1  

**Electronic Components**  
- Electrical Input Voltage: 120 VAC/60Hz / 1-Phase.  
- Electrical Input Current: 1.5 Amps Max  
- Circuit output voltage: 5VDC nominal  
- Integrated auxiliary furnace interlock relay  
- RoHs compliant  

**Motors**  
- Two permanent sealed, lubricated variable speed PSC Motors. (Maintenance free)  
- Maximum RPM 2695 / Horsepower; 3/32 HP.  
- Class F, thermally protected  
- CSA 22.2 #113-10, clause 8.3.5  
  – Backup protection – totally enclosed motor  

**Polypropylene HRV Core**  
- Dimensions 12"x 12"x 10" depth  
  (304.8 mm x 304.8 mm x 254 mm)  
- Corrugated cross-flow polypropylene layers, rated UL94 HB & HF-1  
- Cross-flow that transfers sensible heat  
- Endure harsh temperatures; effective in cold climates  
- Water washable  

**Defrost**  
- Advanced Proportional supply fan shut down defrost sequence  
- Defrost type: Evacuation  
  Activated automatically at -5°C (23°F)  

**Duct Connections**  
- Insert Slide & Fix (ISF™), removable collars system  
- Four (4) 6" (152.5 mm) dia. round double collar.  

**Mounting**  
- Adjustable mounting strap system  

**Filters**  
- Two (2) Fiberbond washable - 11 11/16"x 9 3/4"x 5 7/8"  
  (297 mm x 248 mm x 15.9 mm)  
- UL Class 2  

**Warranty**  
- 5 year limited warranty  
- Visit fieldcontrols.com/warranty for complete warranty statement  

**Airflow**  
- Fresh Air From Outside  
- Exhaust Air To Outside  
- Exhaust Air From Home  
- Fresh Air To Home 

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Field Controls  
2630 Airport Road  
Kinston, NC 28504  
Customer Service: 252 522-3031  
Fax: 1 (800) 367-7942  
Visit us at: www.fieldcontrols.com  

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### DIMENSIONS DATA

#### Front View

- 2.8” (72.4 mm)
- 5” (126 mm)
- 21.5” (545.9 mm)
- 6” (152.5 mm)
- 23.9” (606.3 mm)
- 11.7” (297.6 mm)
- 5.5” (140.5 mm)

#### Top View

- 12” (305 mm)
- 3” (76.2 mm)
- 15” (381 mm)

#### Minimum plug clearance

- 3” (76.2 mm)
- 15” (381 mm)

#### Minimum clearance data for drain fitting

- Recommended minimum clearance for “P” trap of 10” (254 mm)

### MINIMUM CLEARANCE DATA

#### Wall clearance

- Minimum door clearance
- 12” (305 mm)
- 15” (381 mm)
- 3” (76.2 mm)

### VENTILATION PERFORMANCE

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Air Flow</th>
<th>Gross Air Flow Supply</th>
<th>Gross Air Flow Exhaust</th>
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<tbody>
<tr>
<td>Pa</td>
<td>in. wg</td>
<td>L/s</td>
<td>CFM</td>
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### ENERGY PERFORMANCE

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<th>Apparent Sensible</th>
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<td>72</td>
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</table>

### OPTIONAL WALL CONTROLS

- **Mechanical**
  - RD1 Part # 60510010030
  - RD4P Part # 60510010031
- **Timers**
  - T3 Part # 60510010050 (20, 40, 60 minutes)