**CABINET**
- 20 gauge galvanized pre-painted steel corrosion resistant

**ELECTRONIC COMPONENTS**
- Electrical Input Voltage: 120 VAC/60Hz / 1-Phase
- Electrical Input Current: 5 Amps Max
- Circuit output voltage: 5 VDC nominal
- Integrated auxiliary furnace interlock relay
- Integrated 24V connection
- 24V/40A transformer, 24 VAC 10-15A UL/CSA relay
- RoHs compliant

**MOTORS**
- Two permanent sealed, lubricated variable speed PSC Motors. (Maintenance free)
- Maximum RPM 3065/Horsepower; ½ HP, Class F, thermally protected
- CSA 22.2 #113-10, clause 8.3.5 – Backup protection – totally enclosed motor

**dpoint ERV CORE**
- Dimensions (3) 12” x12” x15” depth (304.8 mm x 304.8 mm x 381 mm)
- Corrugated aluminum layers, combined with advanced polymer membrane, UL94 HF-1
- Cross-flow that transfers both sensible & latent heat.
- Endure harsh temperatures; effective in warm and cold climates
- Water washable
- Meets ASHRAE 90.1

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

**DUCT CONNECTIONS**
- (4) 8”x 20” (203 mm x 508 mm)

**MOUNTING**
- Saddle installation
- Suspended installation with threaded rod (not included)

**FILTERS**
- Six (6) Fiberbond washable - 115 \( \frac{8}{8} \)” x 15” x 5 \( \frac{8}{8} \)” (295.3 mm x 381 mm x 15.9 mm)
- UL Class 2 rated

**WARRANTY**
- 2 year limited warranty on motors
- 2 year limited warranty on parts
- 15 year limited warranty on Heat Recovery Core

**AIRFLOW** (Top View)
- Fresh Air From Outside
- Exhaust Air From Dwelling
- Fresh Air To Dwelling
- Exhaust Air To Outside
**ENGINEERING DATA LCH 70.1200C HRV**

### SPECIFICATIONS

**LCH 70.1200C HRV**

- **Dimensions**: 47.4" x 38.8" x 25.3" (1204 mm x 986 mm x 642.9 mm)
- **Duct Connections**: Four (4) 8" x 20" (203 mm x 508 mm)
- **Airflow Rates**: 700 CFM (330 L/s) to 1200 CFM (566 L/s)
- **Motor**: Two (2) PSC variable speed backward curved
- **Voltage**: 120 VAC @ 60 Hz / 1 Phase
- **Amperage**: 5A / 490 Watts
- **Type of heat exchanger**: (3) dipoint Cross-flow (Enthalpic Polymer Membrane)
- **Exchange surface**: 381 ft² (35.4 m²)
- **Defrost type**: Evaporation
- **Filters**: Six (6) Fiberbond washable
- **Drain Connection**: Two (2) ⅜" (12.7 mm)
- **Actual Weight**: 235 lbs (107 Kg)
- **Shipping Weight**: 308 lbs (140 Kg)
- **Certification**: cCSAus, CSA 22.2 Nr.113

### TEST DATA CONDITIONS

- **Outside Temperature Data**: 0°C (32°F)
- **Outside Relative Humidity**: 60% RH
- **Inside Temperature Data**: 22°C (72°F)
- **Inside Relative Humidity**: 40% RH

### OPTIONAL WALL CONTROLS

- **Mechanical**: RD1 Part # 60510010030
- **RD4P Part # 60510010032**
- **TT3 Part # 60510010050** (20, 40, 60 minutes)

### WALL CONTROL DIMENSIONS

- **Mechanical**
- **TT3 Timer**

### DIMENSIONS DATA

- **Front View**
- **Top View**

### MINIMUM CLEARANCE DATA

- **Front View**
- **Top View**

### 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>
</tr>
<tr>
<td>---</td>
<td>---</td>
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<td>1001</td>
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### ENERGY PERFORMANCE CORE*

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<th>Net Air Flow</th>
<th>Enthalpic Effectiveness</th>
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<tbody>
<tr>
<td>L/s</td>
<td>CFM</td>
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<td>400</td>
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<td>283</td>
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<tr>
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<td>1000</td>
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<tr>
<td>566</td>
<td>1200</td>
</tr>
</tbody>
</table>

*Actual performance may vary pending conditions

Quoted by: 

Date: 

Project: 

Remarks: 

Quantity: 

Model: 

Site: 

Architect: 

Engineer: 

Contractor: 

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1. **Efficacité (%)**
2. **Débit d’air (PCM)**
3. **Enthalpic Effectiveness (%)**
4. **Sensible Effectiveness (Heating)**
5. **Efficacité sensible (Chauffage)**
6. **Efficacité (%)**
7. **Débit d’air (PCM)**
8. **Enthalpic Effectiveness (%)**
9. **Sensible Effectiveness (Heating)**
10. **Efficacité sensible (Chauffage)**
11. **Actual performance may vary pending conditions**