**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 3095/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 (2) 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 14” (203 mm x 355 mm)

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

**FILTERS**
- Four (4) Fiberbond washable - 11¾” x 15” x ¾”
  (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
- 3 year limited warranty on Heat Recovery Core

**BALANCING THE SYSTEM**
- The system is balanced by adjusting each motor independently
- No balancing dampers required
- Connection terminals for optional wall controls
- Quiet and energy efficient

**FEATURES**
- 3 operating modes (Intermittent, Continuous & High)
- 100% variable speed
- Proportional defrost sequence
- Permanent lubrication of PSC motors

**APPLICABLE REQUIREMENTS**
- CSA C439 Standard - Packaged heat/energy recovery ventilators (HRV/ERV)
- CSA Standard CSA 22.2 N113-10 - Fans and ventilators
- UL Standard 1812 2nd Ed. Ducted heat/energy recovery ventilators (HRV/ERV)

**ENGINEERING DATA**

**LCH 30.700C ERV**
Heat Recovery Ventilator
300 CFM (142 L/s) to 700 CFM (330 L/s)
Part #: 60510009070

**AIRFLOW**
(Top View)
ENGINEERING DATA LCH 30.700C ERV

SPECIFICATIONS

LCH 30.700C ERV

Dimensions: 34.4" x 30" x 25.3" (874.7 mm x 762.5 mm x 641.9 mm)

Duct Connections: Four (4) 8" x 14" (203 mm x 355 mm)

Airflow Rates: 300 CFM (142 L/s) to 700 CFM (330 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: (2) dpoint Cross-flow (Enthalpic Polymer Membrane)

Exchange surface: 254 ft² (23.6 m²)

Defrost type: Evacuation

Filters: Four (4) Fiberbond washable

Drain Connection: Two (2) 1/2" (12.7 mm)

Actual Weight: 142 lbs (64.4 Kg)

Shipping Weight: 205 lbs (93 Kg)

Certification: cCSAus, CSA 22.2 N131

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: TT3 Part # 60510010050

Timers: TT3 Part # 60510010050

(T2, 40, 60 minutes)

WALL CONTROL DIMENSIONS

Mechanical

T3 Timer

DIMENSIONS DATA

Front View

Top View

MINIMUM CLEARANCE DATA

Front View

Top View

Minimum clearance for drain fitting
Recommended minimum clearance for "P" trap of 10" (254 mm)

Minimum door clearance

VENTILATION PERFORMANCE

| External Static Pressure | Net Supply Air Flow | Gross Air Flow | Gross Air Flow
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pa</td>
<td>in. wg</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td>---</td>
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<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>25</td>
<td>0.1</td>
<td>312</td>
<td>662</td>
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<tr>
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<td>0.9</td>
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ENERGY PERFORMANCE CORE*

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<tr>
<th>Net Air Flow</th>
<th>Sensible</th>
<th>Enthalpic</th>
<th>Effectiveness</th>
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<tbody>
<tr>
<td>L/s</td>
<td>CFM</td>
<td>Latent</td>
<td>Total</td>
</tr>
<tr>
<td>---</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
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<tr>
<td>142</td>
<td>300</td>
<td>64</td>
<td>36</td>
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<tr>
<td>189</td>
<td>400</td>
<td>61</td>
<td>32</td>
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<tr>
<td>236</td>
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<td>57</td>
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<tr>
<td>284</td>
<td>600</td>
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<tr>
<td>330</td>
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<td>52</td>
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</table>

*Actual performance may vary pending conditions

HEATING

<table>
<thead>
<tr>
<th>Sensible Effectiveness (Heating)</th>
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<tbody>
<tr>
<td>Airflow (CFM)</td>
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<tr>
<td>40% RH</td>
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<tr>
<td>60% RH</td>
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</table>

Quoted by:

Date:

Remarks:

Project:

Quantity:

Model:

Site:

Architect:

Engineer:

Contractor: