Energy Recovery Ventilator
Standard with Bypass Economizer

SPECIFICATIONS

Ventilation Type:
Static plate, heat and humidity transfer

Typical Airflow Range: 500-2,200 CFM

AHRI 1060 Certified Core: Two L125-G5

Standard Features:
- TEFC Premium efficiency motors
- Motor starters
- Non-fused disconnect
- 24 VAC transformer/relay package
- Cross-core differential pressure ports

Filters:
- Total qty. 4, MERV 8: 20” x 20” x 2”

Unit Dimensions & Weight:
- 64 1/2” L x 43” W x 35 1/2” H
- 406-619 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):
- 70” L x 47” W x 40” H
- 714 lbs.

Motor(s):
- Qty. 2, Belt drive blower/standard motor packages
  with adjustable sheaves (see table below)

Options:
- Onboard variable frequency drives (VFDs) - one or both airstreams
- Shaft grounding ring on motors with VFDs
- Fused disconnect
- Integrated programmable controls - enhanced, premium
- Bypass economizer damper (see bypass DIM drawing) - dry-bulb temperature controls (standard), enthalpy controls (option)
- Class 1 low leakage motorized isolation dampers - OA, RA or both airstreams
- Qty. 2, Factory mounted filter alarms - both airstreams
- Double wall construction
- Exterior paint - white, custom colors

Accessories:
- Filters - MERV 13, 2” (shipped loose)
- Digital time clock - wall mount (TC7D-W), in exterior enclosure (TC7D-E)
- Carbon dioxide sensor/control - wall mount (CO2-W), duct mount (CO2-D)
- IAQ sensor - wall mount (IAQ-W), duct mount (IAQ-D)
- Motion occupancy sensor/control - ceiling mount (MC-C), wall mount (MC-W)
- Smoke Detector - duct mount (SD-D)
- Electric duct heater - EK series (1–175 kW)
- Indirect gas-fired duct furnace - GH series (50-400 MBH), installed downstream of any fans

**ELECTRICAL DATA**

<table>
<thead>
<tr>
<th>HP</th>
<th>Volts</th>
<th>HZ</th>
<th>Phase</th>
<th>FLA per motor</th>
<th>Min. Cir. Amps</th>
<th>Max. Overcurrent Protection Device</th>
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</thead>
<tbody>
<tr>
<td>1.5</td>
<td>120</td>
<td>60</td>
<td>Single</td>
<td>15.2</td>
<td>34.2</td>
<td>15</td>
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<td></td>
<td>8.2-7.6</td>
<td>18.5</td>
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<td>4.6-4.8</td>
<td>10.8</td>
<td>15</td>
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<td>2.4</td>
<td>5.4</td>
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<td>1.8</td>
<td>4.1</td>
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<td>6.6-5.8</td>
<td>14.9</td>
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</tbody>
</table>

Note: Brake Horse Power (BHP) is for one blower motor package only. Operation in this zone will likely exceed FLA limits. Operation in this zone outside of core airflow limits.

Note: Airflow performance includes effect of clean, standard filter supplied with unit.

**AIRFLOW PERFORMANCE**

<table>
<thead>
<tr>
<th>Motor HP</th>
<th>Blower RPM</th>
<th>Sheave Adj. Turns Open</th>
<th>0.00</th>
<th>0.25</th>
<th>0.50</th>
<th>0.75</th>
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<td>1.0</td>
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<td>2000</td>
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**Specifications may be subject to change without notice.**
HE2XINH Energy Recovery Ventilator  Standard with Bypass Economizer

**ABBR EVATIONS**
- EA: Exhaust Air to outside
- OA: Outside Air Intake
- RA: Room Air to be exhausted
- FA: Fresh Air to inside
- BP: Bypass Air Intake

**IN StALLATION OR IENTATION**
Unit must be installed in orientation shown.

**NOTE**
1. **UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.**
2. **SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.**
3. **MIN. DUCT CLEARANCE FROM DAMPER BLADES WHEN FULLY OPENED TO BE 2'; SMACNA RULES APPLY.**
4. **UNITS WITH BYPASS WILL REQUIRE ADDITIONAL SPACE FOR THE CONNECTION OF THE BYPASS DUCT (BY OTHERS).**
5. **FOR INSTALLATION DETAILS, REFER TO I&O MANUAL SUPPLEMENT FOR BYPASS.**

**AIRFLOW CONFIGURATION**
Available as shown in dimension drawing.

**UNIT MOUNTING & APPLICATION**
Must be mounted as shown. Airstreams can not be switched.