SUBMITTAL DATA SHEET

SINGLE PACKAGE HEAT PUMP, 3 - 10 TONS
MODELS: XYE04-09, XXEA7, XXE08-09, XXE12, XQE04-06

COOLING PERFORMANCE
TOTAL CAPACITY - - - - - - - - - - - - - - _____ MBH
SENSIBLE CAPACITY - - - - - - - - - - - - - - _____ MBH
OUTDOOR DESIGN TMP. - _______ °F DB/WB
TOTAL SUPPLY AIR - - - - - - - - - - - - - - _____ CFM
TEMP. OF AIR ENTERING EVAPORATOR COIL - - - - - - - - - - - - - - _____ °F
POWER INPUT REQ. - - - - - - - - - - - - - - _____ KW
(LESS BLOWER MOTOR)

HEATING PERFORMANCE
CAPACITY
@ 47°F - - - - - - - - - - - - - - - - - - _____ MBH
@ 17°F - - - - - - - - - - - - - - - - - - _____ MBH
COEFFICIENT OF PERFORMANCE
@ 47°F - - - - - - - - - - - - - - - - - - _____ MBH
@ 17°F - - - - - - - - - - - - - - - - - - _____ MBH
ELECTRIC HEAT - - - - - - - - - - - - - - - - - - - - _____ KW

SUPPLY AIR BLOWER PERFORMANCE
TOTAL SUPPLY AIR - - - - - - - - - - - - - - - - - - _____ CFM
EXT. STATIC PRESS. - - - - - - - - - - - - - - - - - - _____ IWG
BLOWER SPEED - - - - - - - - - - - - - - - - - - - - - - _____ RPM
POWER OUTPUT REQ. - - - - - - - - - - - - - - - - - - - - - - _____ BHP
MOTOR RATING - - - - - - - - - - - - - - - - - - - - - - - - - _____ HP
POWER INPUT REQ. - - - - - - - - - - - - - - - - - - - - - - _____ KW

ELECTRICAL DATA
POWER SUPPLY - - - - - - - - - - - - - - - - - - - - - - - - - - -
TOTAL UNIT AMPACITY - - - - - - - - - - - - - - - - - - - - - - - - - - - _____ AMPS
MAX. OVERCURRENT DEVICE
__ FUSE __ BREAKER - - - - - - - - - - - - - - - - - - - - - - - - - - - _____ AMPS

TOTAL UNIT WEIGHT
INCLUDING FACTORY-INSTALLED OPTIONS - - - - - - - - - - - - - - - - - - - - - - - - - - _____ LBS
XYE04-09, XXE08-09 and XXE12 Unit Clearances

<table>
<thead>
<tr>
<th>Direction</th>
<th>Distance (in.)</th>
<th>Direction</th>
<th>Distance (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top^{1}</td>
<td>72</td>
<td>Right</td>
<td>18</td>
</tr>
<tr>
<td>Front</td>
<td>36</td>
<td>Left</td>
<td>12</td>
</tr>
<tr>
<td>Rear</td>
<td>18^{2}/36^{3}</td>
<td>Bottom*</td>
<td>1</td>
</tr>
</tbody>
</table>

1. Units must be installed outdoors. Overhanging structure or shrubs should not obscure condenser air discharge outlet.
2. Units without economizer or power exhaust.
3. Units equipped with an Economizer or Power Exhaust. Flue products must not be discharged within 10 feet of the rear of the unit.
4. Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.

XYE04-06, XQE04-06 and XXAE Unit Roof Curb Dimensions

1RC0456, 1RC0458 Roof Curb Dimensions

<table>
<thead>
<tr>
<th>Direction</th>
<th>Distance (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top^{1}</td>
<td>72</td>
</tr>
<tr>
<td>Front</td>
<td>36</td>
</tr>
<tr>
<td>Left</td>
<td>12</td>
</tr>
<tr>
<td>Rear</td>
<td>18^{2}/36^{3}</td>
</tr>
<tr>
<td>Bottom^{*}</td>
<td>1</td>
</tr>
</tbody>
</table>

1. Units must be installed outdoors. Overhanging structure or shrubs should not obscure condenser air discharge outlet.
2. Units without economizer or power exhaust.
3. Units equipped with an Economizer or Power Exhaust. Flue products must not be discharged within 10 feet of the rear of the unit.
4. Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.

Notes:
1. Sides, ends and cross support are 18-G90. Deck pans, R/A & S/A supports are 20-G90.
2. Full perimeter wood nailing.
3. Insulated deck pans.

Unit Models used with 1RC0456, 1RC0458 Roof Curb

- XYE/XQE04
- XYE/XQE05
- XYE/XQE06
- XXEA7

NOTE: If utilities are required thru the base of the unit or thru the roof curb the following field installed accessories can be purchased thru your dealer or contractor:

1TB0401 - Thru the base electrical and thru the curb gas
1TB0403 - Thru the base electrical and gas
XYE07-09, XXE08-09 and XXE12 Unit Roof Curb Dimensions

1RC0457, 1RC0459 Roof Curb Dimensions

**Notes:**
1. Sides, ends, unit locator and cross support are 18-G90. Deck pans, R/A & S/A supports are 20-G90.
2. Full perimeter wood nailer.
3. Insulated deck pans.

**Unit Models used with 1RC0457, 1RC0459 Roof Curb**

<table>
<thead>
<tr>
<th>Unit Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>XYE07</td>
<td></td>
</tr>
<tr>
<td>XYE/XXE08</td>
<td></td>
</tr>
<tr>
<td>XYE/XXE09</td>
<td></td>
</tr>
<tr>
<td>XXE12</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** If utilities are required thru the base of the unit or thru the roof curb the following field installed accessories can be purchased thru your dealer or contractor:

1TB0404 - Thru the base electrical
3/4" X 1-1/4" WIDE GASKETING FOR CURB FRAME AND ALL DUCT SUPPORT SURFACES

UNIT BASE

WOOD NAILER

8" MIN. ABOVE FINISHED ROOF

CURB FRAME

INSULATION

UNIT BASE RAILS

COUNTERFLASHING

CAN'T STRIP

INSULATION AND ROOFING MATERIAL

ROOF DECK AND SUPPORT STRUCTURE
## Economizer Options

### Economizer Usage

<table>
<thead>
<tr>
<th>Application</th>
<th>Description</th>
<th>Accessory Kit Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economizer Vertical Flow</td>
<td>Econ, DB, Vertical Flow, Small Footprint</td>
<td>2EE04706724</td>
</tr>
<tr>
<td></td>
<td>Econ, DB, Vertical Flow, Large Footprint</td>
<td>2EE04706824</td>
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<tr>
<td>Economizer Horizontal Flow</td>
<td>Econ, DB, Horizontal Flow, Small Footprint, Short Cabinet</td>
<td>2EE04707024</td>
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<td></td>
<td>Econ, DB, Horizontal Flow, Small Footprint, Tall Cabinet</td>
<td>2EE04707124</td>
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<td>Econ, DB, Horizontal Flow, Large Footprint, Short Cabinet</td>
<td>2EE04707224</td>
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<tr>
<td></td>
<td>Econ, DB, Horizontal Flow, Large Footprint, Tall Cabinet</td>
<td>2EE04707324</td>
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<tr>
<td></td>
<td>Power Exhaust Vert Flow Small Footprint 208V-230V 3-ph</td>
<td>2PE04704225</td>
</tr>
<tr>
<td></td>
<td>Power Exhaust Vert Flow Small Footprint 460V 3-ph</td>
<td>2PE04704246</td>
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<tr>
<td></td>
<td>Power Exhaust Vert Flow Small Footprint 575V 3-ph</td>
<td>2PE04704258</td>
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<tr>
<td></td>
<td>Power Exhaust Vert Flow Large Footprint 208V-230V 1-ph</td>
<td>2PE04704306</td>
</tr>
<tr>
<td></td>
<td>Power Exhaust Vert Flow Large Footprint 208V-230V 3-ph</td>
<td>2PE04704325</td>
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<tr>
<td></td>
<td>Power Exhaust Vert Flow Large Footprint 460V 3-ph</td>
<td>2PE04704346</td>
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<tr>
<td></td>
<td>Power Exhaust Vert Flow Large Footprint 575V 3-ph</td>
<td>2PE04704358</td>
</tr>
<tr>
<td></td>
<td>Power Exhaust Horiz Flow Small Footprint 208V-230V 3-ph</td>
<td>2PE04704425</td>
</tr>
<tr>
<td></td>
<td>Power Exhaust Horiz Flow Small Footprint 460V 3-ph</td>
<td>2PE04704446</td>
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<tr>
<td></td>
<td>Power Exhaust Horiz Flow Small Footprint 575V 3-ph</td>
<td>2PE04704458</td>
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<tr>
<td></td>
<td>Power Exhaust Horiz Flow Large Footprint 208V-230V 1-ph</td>
<td>2PE04704506</td>
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<td>Power Exhaust Horiz Flow Large Footprint 208V-230V 3-ph</td>
<td>2PE04704525</td>
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<td></td>
<td>Power Exhaust Horiz Flow Large Footprint 460V 3-ph</td>
<td>2PE04704546</td>
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<tr>
<td></td>
<td>Power Exhaust Horiz Flow Large Footprint 575V 3-ph</td>
<td>2PE04704558</td>
</tr>
</tbody>
</table>

### Field Installed Vertical Flow Economizer

![Vertical Economizer Diagram](image-url)

**VERTICAL ECONOMIZER**

2EE04706724 SHOWN
Field Installed Vertical Flow Economizer W/Power Exhaust

POWER EXHAUST VERTICAL ECONOMIZER
2PE04704206 SHOWN

Field Installed Horizontal Flow Economizer

HORIZONTAL ECONOMIZER
2EE04707024 SHOWN
Field Installed Horizontal Flow Economizer W/Power Exhaust

POWER EXHAUST HORIZONTAL ECONOMIZER
2PE04704405 SHOWN
### FACTORY INSTALLED OPTIONS

- **ELECTRIC HEATER MODEL** - KW _____ VOLTS ______ □
- **STAINLESS STEEL DRAIN PAN** - □
- **ECONOMIZER, DOWNFLOW, END RETURN HORIZONTA**L - □
- **POWER EXHAUST** - □
- **MOTORIZED AIR DAMPER** - □
- **HIGH STATIC INDOOR BLOWER MOTOR** - □
- **DISCONNECT SWITCH** - □
- **CONVENIENCE OUTLET, POWERED** - □
- **CONVENIENCE OUTLET, NON-POWERED** - □
- **SMOKE DETECTOR (RETURN)** - □
- **SMOKE DETECTOR (SUPPLY)** - □
- **PHASE MONITOR** - □
- **COIL GUARD** - □
- **DIRTY FILTER SWITCH** - □
- **FILTERS, 2” PLEATED, MERV 7** - □
- **FILTERS, 4” PLEATED, MERV 13** - □
- **PHENOLIC COATED EVAPORATOR COILS** - □
- **PHENOLIC COATED CONDENSER COILS** - □
- **E-COAT EVAPORATOR COILS** - □
- **E-COAT CONDENSER COILS** - □
- **BAS OPTION**
  - Smart Equipment™ w/Communication □
  - BACnet MS/TP (programmable to Modbus or N2 protocols) □
  - Verasys □

### FIELD INSTALLED ACCESSORIES

- **ROOF CURB, 8”** - □
- **ROOF CURB, 14”** - □
- **TRANSITION ROOF CURB** - □
- **COIL GUARD** - □
- **HAIL GUARD** - □
- **PERMANENT FILTERS** - □
- **METAL FILTER FRAME KIT** - □
- **DIRTY FILTER SWITCH** - □
- **AIR PROVING SWITCH** - □
- **BURGLAR BARS (DOWNFLOW ONLY)** - □
- **LOW AMBIENT KIT** - □
- **SMOKE DETECTOR (RETURN)** - □
- **SMOKE DETECTOR (SUPPLY)** - □
- **CO2 SENSOR** - □
- **PHASE MONITOR** - □
- **ECONOMIZER, DOWNFLOW, END RETURN HORIZONTA**L - □
- **ECONOMIZER, HORIZONTAL** - □
- **SINGLE ENTHALPY** - □
- **DUAL ENTHALPY** - □
- **POWER EXHAUST** - □
- **MOTORIZED OUTDOOR AIR DAMPER** - □
- **MANUAL OUTDOOR AIR DAMPER** - □
- **ELECTRIC HEATER MODEL - KW _____ VOLTS ______** □
- **WALL MOUNT TEMPERATURE SENSOR** - □
- **WALL MOUNT TEMPERATURE SENSOR WITH OVERRIDE** - □
- **WALL MOUNT TEMPERATURE SENSOR WITH OVERRIDE & SET POINT ADJ.** - □
- **HUMIDITY SENSOR** - □

1. Phase monitor standard on units with scroll compressors.

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