ETAIROS HVAC

Aaon Selection Request

Please fill out all the requested information to allow us to provide you with the appropriate selection.

Your Name:		Company:	
Your Email:		Your Phone #:	
Job Name:		Location:	

Application Information

Type of Application

- ☐ CAV – Constant Air Volume
- ☐ VAV – Variable Air Volume
- ☐ SZ VAV – Single Zone VAV
- ☐ ERV – Energy Recovery
- ☐ DOAS – Dedicated Outside Air Unit
  - ☐ 100% OSA – No Return
  - ☐ 100% OSA w/ ERV

OSA Configuration Options

- ☐ Manual Outside Air
- ☐ 2 Position OSA Damper
- ☐ Economizer w/ Barometric Relief
- ☐ Economizer with Power Exhaust
- ☐ CO2 Override Economizer Control
- ☐ ERV – Energy Recovery
- ☐ 100% Return Air

Condenser Type

- ☐ Air Cooled
- ☐ Water Cooled
- ☐ Water Source Heat Pump
- ☐ Evaporative Cooled (45 Tons and larger)

Unit Filter Type

- ☐ 2” MERV 8
- ☐ 4” MERV 8
- ☐ 4” MERV 11
- ☐ 4” MERV 13
- ☐ 4” MERV 14
- ☐ Final Filters ☐ No ☐ Yes

Type & Rating? _____

Heating Type

- ☐ No Heat - Cooling Only
- ☐ Natural Gas
- ☐ LP Gas
- ☐ Cooling w/ Electric Heat
- ☐ Hot Water Heat
- ☐ Heat Pump w/ Aux Elec Heat
- ☐ Heat Pump w/ Aux Nat Gas Heat
- ☐ Heat Pump w/ Aux HW Heat

Stages? _____

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Will Hot Gas Re-Heat / Humidity Control be required? ☐ Yes ☐ No
(This will be a true MODULATING hot gas reheat coil for dehumidification, not 2-position or dedicated heat pump.)

Is this application in a coastal environment ☐ Yes ☐ No
(Used to determine if coil coatings are needed)

Electrical Service

☐ 208-230-1-60 ☐ 208-230-3-60 ☐ 460-3-60

Factory Disconnect Required? ☐ Yes ☐ No

Phase & Brownout Protection? ☐ Yes ☐ No

KAIC Rating – * ☐ 5 KAIC (std) ☐ 10KAIC ☐ 65 KAIC ☐ Other ____

Dual Power Connections? ☐ No ☐ Yes Method ☐ 1 ☐ 2
(See notes below)

Design Conditions	db	wb
Design Summer Ambient Air Temp *		
Design Winter Ambient Air Temp *		
Design Summer Return Air Temp *		
Design Winter Return Air Temp *		
Supply Air CFM *		
Supply Air Ext S.P Required *		
Return / Exhaust Air CFM *		
Return Air Ext S.P Required *		
What is your design space % RH or Dewpoint?		

Duct Orientation ☐ Down ☐ Horizontal

Unit Mounted on grade? ☐ Yes ☐ No

Seismic Rating? ☐ No ☐ Yes ☐ Curb Only ☐ Entire Unit Assembly

OSHPD? ☐ No ☐ Yes

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Options

115 Volt Outlet? ☐ No ☐ Yes ☐ Factory Wired ☐ Field Wired

Firestat? ☐ No ☐ Yes – Where? _____

Smoke Detector ☐ No ☐ Yes – Where? _____

uV Lights? ☐ No ☐ Yes ☐ Coil Cleaning ☐ Single Pass Disinfection

Condensate Overflow Safety Switch? ☐ Yes ☐ No

Factory Selection Notes

- Head Pressure Control is always provided for Dedicated Outside Air Applications.
- Hot gas bypass is required on all Variable Air Volume (VAV) and Makeup Air (MUA) units without variable capacity or VFD controlled variable speed scroll compressors. Hot gas bypass on the lag circuits is recommended on all VAV and MUA units with variable capacity or VFD controlled variable speed scroll compressors on only the lead circuits.
- **DUAL POINT POWER - WIRING METHOD #1.**
  - 1ST POWER CIRCUIT WIRED TO POWER COMPRESSORS, CONDENSER FANS & (OPTIONAL) HEAT WHEEL, E/A OR R/A FANS IF SELECTED.
  - 2ND POWER CIRCUIT POWERS SUPPLY FAN, OPTIONAL HEATING, CONTROLS & PHASE & BROWN OUT OPTION IF SELECTED.
- **DUAL POINT POWER - WIRING METHOD #2.**
  - 1ST CIRCUIT POWERS COMPRESSORS & CONDENSER FANS.
  - 2ND CIRCUIT POWERS SUPPLY FAN, CONTROLS, (OPTIONAL) EXHAUST/RETURN FANS, (OPTIONAL) HEAT, (OPTIONAL) HEAT WHEEL & PHASE & BROWN OUT PROTECTION IF ORDERED.

Any Additional Requirements?

Please return this form to your salesperson or to support@etairoshvac.com