

### AVENTUS Semi-Custom Split System DOAS for a School

#### MARKET: Education

This AVENTUS by Xetex project showcases an outdoor semi-custom split system dedicated outdoor air system (DOAS) for a high school. It is one of two units for this project. A sensible crossflow plate heat exchanger provides energy efficiency. The split system includes DX cooling, hot water coils, and high-efficiency filters (SA/RA) to capture airborne particles for indoor air quality.

#### CONSTRUCTION

- Outdoor unit
- 2" double wall casing with 2" injected foam (R-14) insulation
- 20ga galvanized metal exterior casing with acrylic paint
- 20ga galvanized metal interior casing
- Welded 6" structural steel base with lifting lugs and acrylic paint
- 18ga galvanized steel floor with 2" injected foam (R-14) insulation

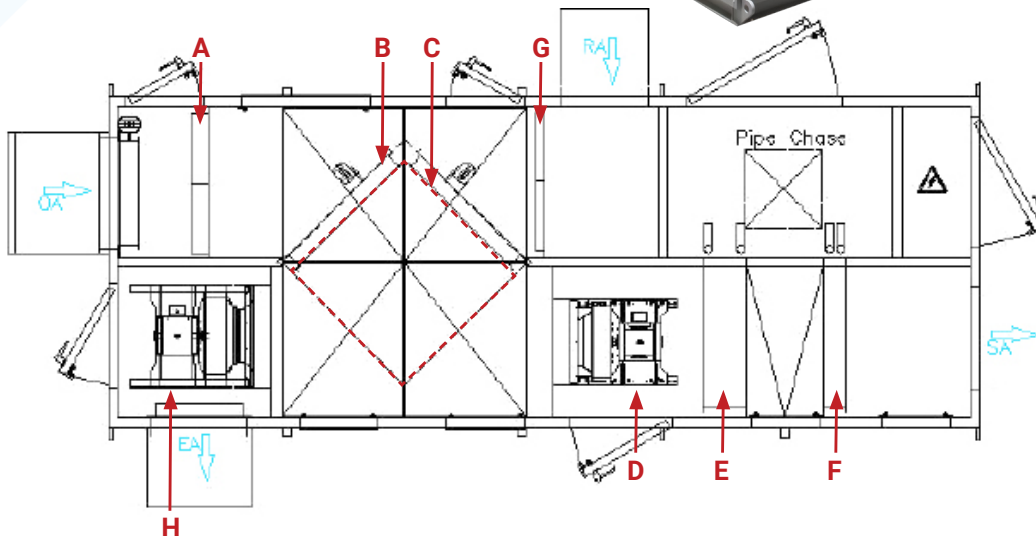
#### FEATURES

- **Modulating crossflow bypass damper with actuator**
- **Modulating recirculation damper**
- **SA/EA EC motors**
- **Field wired GFI service outlet**
- **LED lights in the fan and electrical sections**

#### COMPONENTS

- A. SA 4" MERV 13 filters
- B. Modulating bypass damper with actuator
- C. Sensible crossflow plate heat exchanger
- D. SA fan
- E. DX coil
- F. Hot water coil
- G. RA 2" MERV 8 filters
- H. EA fan

<b>Model:</b>	AVT-DC-40-60-RT-BP-DX-HW-RC
<b>Dimensions:</b>	95"H x 201"L x 76"W
<b>Weight:</b>	5,900 lbs
<b>Supply CFM:</b>	6,450 CFM
<b>Cooling Type:</b>	Split-System DX Cooling Coil
<b>Cooling Capacity:</b>	372 MBH
<b>Heating Type:</b>	Hot Water Coil
<b>Heating Capacity:</b>	653 MBH
<b>Energy Recovery:</b>	Sensible Crossflow Plate HX
<b>Energy Effectiveness:</b>	Winter: 77%



Contact Xetex for your next AVENTUS Semi-Custom DOAS or ERV!

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