

AVENTUS Semi-Custom Split DOAS for a School

MARKET: School

Specifically designed for a school, this AVENTUS semi-custom split-DOAS features non-corrosive aluminum construction, 100% outdoor air, an energy efficient sensible crossflow flat plate heat exchanger, hot water coils, and highly efficient filters throughout for indoor air quality.

CONSTRUCTION

- Outdoor unit
- **Thermal break construction** with 2" double wall casing and injected foam (R-value 14) insulation; 0.063 aluminum outer casing; 0.063 aluminum interior casing
- 6" c-channel structural aluminum base frame with welded lifting lugs
- 0.080 aluminum floor with 2" polyiso foam (R-value 6.0/in) insulation
- 304 stainless steel drain pan

FEATURES

- **Full unit controls with BACnetMS/TP**
- Plumbing and electrical chase
- Modulating crossflow bypass damper with actuator
- SA Fan: EC motor with 1" spring vibration isolation

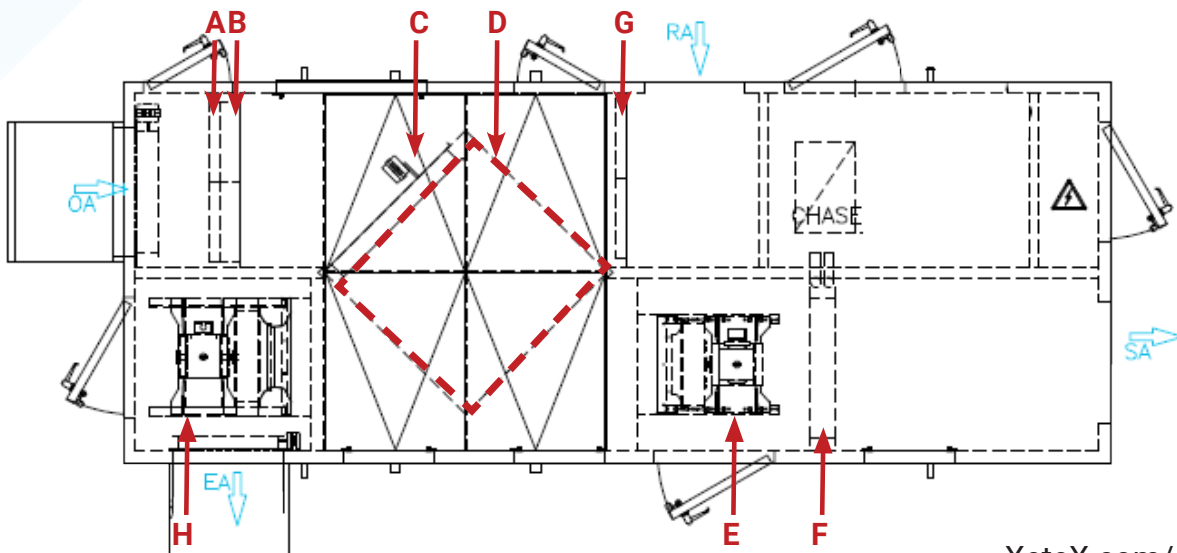
COMPONENTS

- A. OA 2" MERV 8 filters with aluminum filter rack
- B. OA 4" MERV 13 filters with aluminum filter rack
- C. Modulating crossflow bypass damper with actuator
- D. Aluminum sensible crossflow plate heat exchanger
- E. SA premium plenum fan
- F. Hot water coil
- G. RA 2" MERV 8 filters with aluminum filter rack
- H. EA premium plenum fan

Model:	AVT-EC-40-60-HW-RC
Dimensions:	95"H x 201"L x 76"W
Weight:	3,150 lbs
Supply CFM:	6,400 CFM
Energy Recovery:	Sensible Crossflow Plate
Energy Effectiveness:	Winter: 64.9% / Summer: 61.3%
Heat Type:	Hot Water Coils
Heating Capacity:	306 MBH



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



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