

AVENTUS Semi-Custom Split DOAS with VRF Air Source Heat Pump

MARKET: Hospitality

This AVENTUS by Xetex project showcases one of three semi-custom split-DOAS units for a hospitality application providing 10 tons of energy efficient cooling and indoor air quality. Unique features include an VRF air source heat pump (provided by others and installed by Xetex), an 8" energy wheel, and high-efficiency filters (OA/RA).

CONSTRUCTION

- Outdoor unit
- 2" double wall casing and polyiso foam (R-value 6.0/in) insulation
- 20ga galvalneal steel outer casing with acrylic paint
- 20ga galvanized steel interior casing
- 4" c-channel structural steel base frame with welded lifting lugs and acrylic paint
- 16ga galvanized steel floor with 2" (R-12) foam board panel insulation

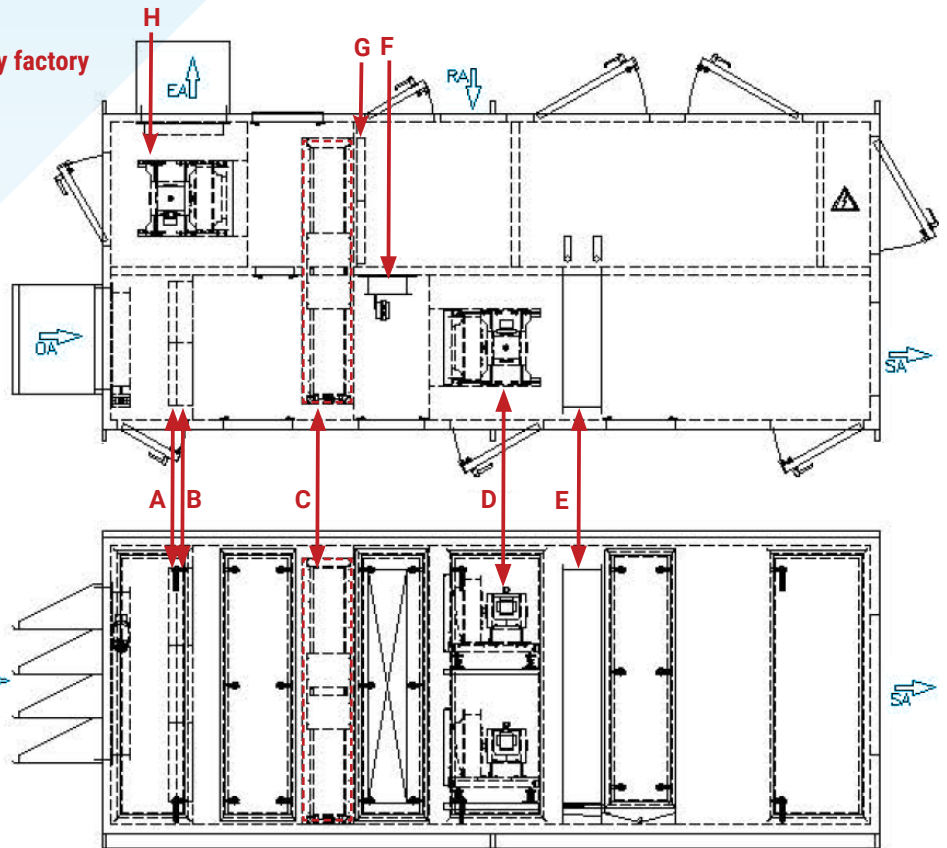
FEATURES

- Split-system VRF ASHP coil provided and installed by factory
- AIRotor 8" aluminum energy wheel with a VFD and rotation detector
- SA/EA EC motors
- SA/EA with airflow monitoring
- Galvanized steel coil casings

COMPONENTS

- A. OA 2" MERV 8 filter galvanized filter rack
- B. OA 4" MERV 13 filter galvanized filter rack
- C. AIRotor 8" aluminum energy wheel with a VFD and rotation detector
- D. SA fan
- E. VRF ASHP coil
- F. Recirculation damper
- G. RA 2" MERV 8 filter galvanized filter rack
- H. EA fan

Model:	AVT-DC-1800-RT-DX-RC
Dimensions:	84"H x 182"L x 81"W
Weight:	5,800 lbs
Supply CFM:	4,610 CFM
Energy Recovery:	Energy Wheel
Energy Effectiveness:	Winter: 94% / Summer: 92%
Cooling Type:	VRF DX ASHP
Cooling Capacity:	10 Tons



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

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