

D. ARI Compliance:

1. Capacity ratings for air-to-air energy recovery units shall comply with ARI 1060, "Performance Rating of Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment."

E. UL Compliance:

1. Packaged heat recovery ventilators shall comply with requirements in UL 1812, "Ducted Heat Recovery Ventilators".

1.6 COORDINATION

1. Coordinate installation of roof curbs, equipment supports, and roof penetrations with roof installer.

1.7 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of air-to-air energy recovery units that fail in materials or workmanship within specified warranty period.

1. Energy Recovery Wheel: 5 years.

PART 2 - PRODUCTS

2.1 ROOFTOP ENERGY RECOVERY UNITS WITH ENERGY RECOVERY WHEEL

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. CONSERV
2. Des Champs/Munters
3. Haakon Industries.
4. JCI/York
5. MAFNA Air Technologies
6. McQuay
7. Petra Engineering Industries
8. SEMCO
9. Trane
10. Venmar/CES Group

B. General Fabrication Requirements for Casings:

1. General: Casing deflection shall not exceed a 1:200 ratio when subject to an internal pressure of +/- 6-in. wg. Casing leakage rate shall be less than 1% at 6-in. wg. of nominal unit airflow or 50 CFM, whichever is greater.
2. Sealing: Seal all joints with water-resistant sealant.
3. Exterior Casing: Galvanized steel.
4. Interior Casing: Galvanized steel; solid, perforated in fan sections.
5. Roof: Galvanized steel; minimum pitch of 1/4 inch per foot.
6. Factory Finish for Galvanized-Steel Casings: Immediately after cleaning and pretreating, apply manufacturer's standard two-coat, baked-on enamel finish, consisting of prime coat and thermosetting topcoat.
7. Airstream Surfaces: Surfaces in contact with the airstream shall comply with requirements in ASHRAE 62.1.
8. Provide shipping splits complete with connection components for field assembly where required.
9. Perimeter Base Rail: Minimum 6-inches high.