

# MODEL B ENGINEERING SPECIFICATIONS



## 1. SPECIFICATIONS

- Corrugated aluminum matrix air-to-air rotary exchanger.
- Exchanger media face shall be controlled to reduce wear on inner seal surfaces and to minimize cross leakage.
- Exchanger seals shall be brush type.
- Brush seals shall be included to separate fresh air from exhaust air across the entire surface of the air entering side, the air leaving side, and around the outer band.
- Casing shall be fabricated of heavy duty, free rolled galvanized steel.
- Rotor shall be supported by internally mounted sealed ball bearings.
- Drive system shall consist of an AC gear motor driving a self-adjusting round or multi-link belt.
- Exchanger to rotate below 25 rpm.

## 2. MEDIA OPTIONS

- Aluminum: Aluminum matrix for sensible energy recovery in non-corrosive environments.
- Epoxy: Self sealing epoxy coated aluminum matrix for sensible energy recovery in corrosive environments.
- Hybrid Hygroscopic: Aluminum and silica gel coated aluminum matrix for sensible and latent energy recovery.
- Molecular Sieve: 3A molecular sieve desiccant coated aluminum matrix for sensible and latent energy recovery.
- Adsorption: Silica gel coated aluminum matrix for sensible and latent energy recovery.

## 3. OPTIONS

- Purge section.
- Variable Frequency Drive for economizer and frost prevention.
- Multi-Link type drive belt available on all wheel diameter sizes.