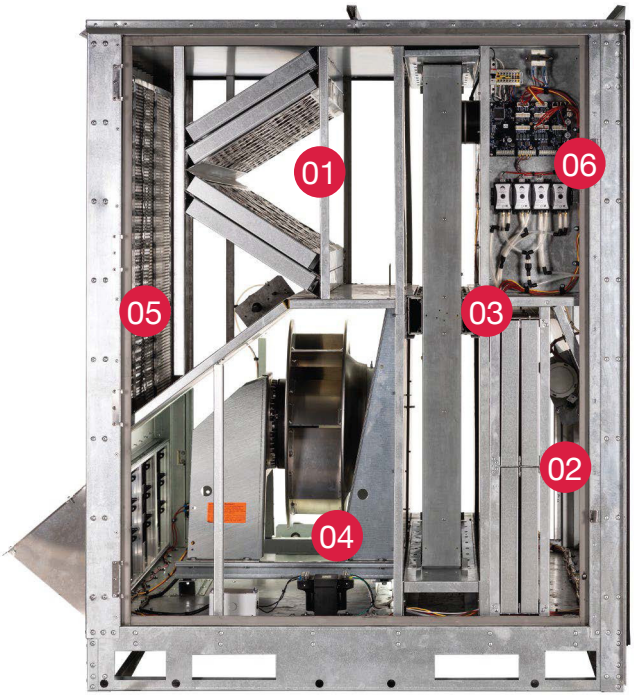
ENERGY RECOVERY

YANMAR



BENEFITS

- Significant Energy Savings
- Reduced Heating/Cooling Load
- Improved Indoor Air Quality (IAQ)
- Reduced HVAC Equipment Sizing & Capital Costs
- Enhanced Occupant Comfort
- Reduced Carbon Footprint
- Eligibility for Green Building Certifications
- Reduced Operational Costs

FOR MORE INFORMATION:

YANMAR ENERGY SYSTEMS
101 INTERNATIONAL PARKWAY
ADAIRSVILLE, GA 30103

P 770.877.9894
WWW.YANMARENERGYSYSTEMS.COM

01 OUTDOOR AIR FILTRATION

- Standard 4” filtration with 2” metal mesh and 2” MERV-13 filters ensures the wheel remains clean and provides excellent Indoor Air Quality (IAQ)

02 RETURN/EXHAUST AIR FILTRATION

- Standard 4” filtration with 2” MERV-8 and 2” MERV-13 filters ensures the exhaust side of the energy wheel remains clean and prevents any potential contaminants from reaching the fresh air stream

03 POLYMER TOTAL ENERGY WHEEL

- Multiple control modes for heating, cooling, dehumidification, cleaning and defrost
- EC drive motor maximizes efficiency
- Purge segment ensures no exhaust air reaches the fresh supply air
- Segmented wheel with removable/replaceable segments ensures easy cleaning and replacement
- Ultra-high-molecular-weight, ultra-low friction strips under the energy wheel for easy removal

04 ECM EXHAUST FAN

- Highly efficient fan includes multiple control methods: Building pressure, manual speed, analog input, pressure balance

05 HEAVY DUTY CONSTRUCTION

- Double wall G90 galvanized housing with 2” R13 closed cell foam insulation for durability and efficiency
- Louvered intake with integral drains prevents water in filtration during inclement weather without need for an intake hood
- Integrated barometric relief damper seals the intake when exhaust is not active
- Fully gasketed doors prevent air from bypassing wheel and filters

06 INTEGRATED CONTROLS

- Optimally tuned software and PID loops ensure the unit always saves energy while operating, and prevents energy load increases on the base unit during shoulder seasons
- Frost control and wheel purge modes ensure the wheel never freezes or becomes stagnant
- All points and controls are monitored by CASLink, allowing for remote diagnosis and set point adjustments
- Temperature, RH, and pressure readings at every quadrant