

Addressing Energy Recovery Competitor's Specs

Specification Item	How to Handle
Purge	Greenheck does not promote the use of purge. This option is designed for the industrial market. Refer to Product Application Guide ERA/103-00, "Gaseous Carryover and Cross Leakage in Energy Recovery Wheels". If there is no other way to appease the engineer, Greenheck will provide purge through an SDR (special design request).
Labyrinth Seals	A seal option offered by Semco. All manufacturers provide different types of seals for their wheels. The labyrinth seals were designed for industrial applications, require high maintenance, and are difficult to adjust properly to maintain low leakage.
Airflow Monitoring	Greenheck can provide dual analog output airflow measurement for each airstream. Airflow measurements can be read as points through Bacnet or Modbus protocols.
Stop/Jog Economizer	This feature will turn the energy wheel on periodically during economizer mode to promote self-cleaning and assist in removing any moisture build up.
Competitor Energy Wheel Description (Aluminum, Synthetic Fiber, 3 Angstrom, Molecular Sieve, etc.)	The wheel description written in the specification will depend upon which manufacturer the unit was written around. You will need to call out what our basic wheel construction is; polymer media with a silica gel desiccant. Please reference our dynamic unit specifications in CAPS for specifiable language based on model.
Spring Isolation on Blowers	Not available on model RV/E but are selectable on models ERCH and ERT. Available through SDR on models ERV, ERVe, and ECV with belt driven forward curved fans only.
Fused Disconnect	Greenheck does not provide a fused disconnect. If field installing an additional disconnect switch, please reference the unit IOM. Greenheck can offer branch circuit fusing on certain models, which provides better protection than a fused disconnect.
Welded Structural Frame	This feature is derived from custom-type units. Exception can be taken for this type of construction since it is not required. Welded construction will also

	require painting. Greenheck construction requires no welding and thus no painting creating a more economical unit.
Warranty	Greenheck offers a 5-year warranty on the energy wheel cassette assembly (less motor) and a 1-year warranty on the entire unit as standard. A 2-year (1-year extended) warranty is available in CAPS. 5-year compressor warranty and/or 5/10-year heat exchanger warranties are also available on packaged units.
Coatings	All manufacturers offer different standard coatings. Greenheck offers Permator (2500 hr. salt spray) and Hi-Pro Poly (5000 hr. salt spray). Hi-Pro Poly is available in seven standard colors or a match color chip option. Either is satisfactory for the commercial market.
Variable Speed Energy Recovery Wheel	Used as a frost control method or an economizer mode, a variable Frequency Drive (VFD) is mounted on the wheel motor to vary the wheel rotational speed. When frosting occurs, the wheel VFD will decrease the rotational speed of the wheel allowing it to spend more time in the warm exhaust air of the unit. During economizer, the wheel VFD will modulate the wheel speed to maintain a leaving wheel temperature of 55° F (adjustable).
Filters (other than 2-inch pleated or aluminum)	Availability of non-standard filters varies by model. Consult factory for options on other models.
2-Inch Pleated Filters (Exhaust and/or Supply Filters)	When selected, the unit will be provided with standard MERV 8 (30% efficient) pleated filters mounted in the outdoor airstream. Consult factory for options on other models.
Floor Drains	Floor drains are not required in energy recovery units at the wheel or core because water does condense off of the device. Typically, this feature is required on sensible only, plate type energy recovery equipment. Drain pans are provided under all cooling coils.
Vibration Isolation Curb	Greenheck does not provide curb isolation. This product is better suited to curb manufacturers that have the expertise to design the proper isolation.
Recirculation Defrost	Recirculation defrost allows part of the exhaust air to circulate into the supply intake to warm cold outdoor air to a temperature that will defrost the wheel. This type of frost control does not make sense as it purposely brings exhaust air back into the space. Greenheck does not provide this option. Greenheck offers timed exhaust frost control, modulating wheel and electric preheat on wheel units and timed exhaust and electric preheat on core units.
DDC Controls	Greenheck provides a control center that includes integral door interlocking disconnect switch, motor starters, control circuit fusing, control transformer for

	24 VAC circuit, and terminal strip – all single point wired. The Greenheck units only need a simple control signal to tell the unit to turn on and off. The DDC controls are another way of controlling the unit, but are not necessary.
Flame Spread & Smoke Development	Greenheck meets all requirements that we've seen in specifications. Refer to Technical Article, "Fire Safety Standards and Greenheck Energy Recovery Ventilators".
Tested in accordance with ASHRAE Standard 84	Greenheck meets this requirement.
Tested in accordance to AMCA Standard 210	Greenheck meets this requirement.
Tested in accordance to AHRI 1060	Greenheck meets this requirement.
Certified per AHRI 1060	Greenheck meets this requirement. The AHRI certificate for the energy wheel and/or core will print within your submittal. You can also locate the AHRI certificate for your model in the AHRI Directory.
AMCA Licensed Air Performance	Greenheck meets this requirement.