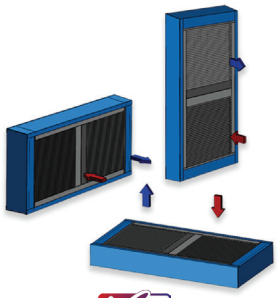
HOW DO THEY STACK UP?

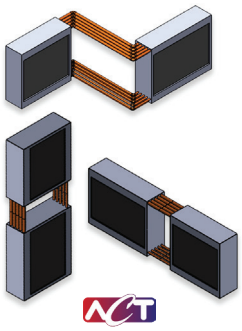
LEARN HOW ENERGY RECOVERY WHEELS COMPARE TO ACT'S AIR-TO-AIR HEAT PIPE HEAT EXCHANGER PRODUCTS

Know what your options are before making a design decision on a new energy recovery system. Take into consideration the updated ASHRE 90.1 clean air requirements as well as maintenance costs and lifetime cost of ownership.

ENERGY WHEEL



AIR-TO-AIR HEAT EXCHANGER

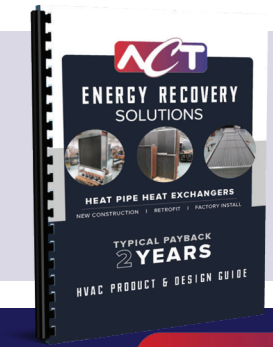


SPLIT LOOP THERMOSYPHON AAHX

	ENERGY WHEEL	AIR-TO-AIR HEAT EXCHANGER	SPLIT LOOP THERMOSYPHON AAHX
NO CROSS AIR CONTAMINATION Prevents contaminants in the exhaust airstream from crossing over into the adjacent supply airstream	✗ Not Possible as airstreams are not separated	✓	✓
ENERGY RECOVERY	Sensible/Latent	Sensible	Sensible
UNIT COST COMPARISON	$	$$	$$$
LIFETIME OWNERSHIP COST Maintenance costs involving motors, drive belts, bearings and heat transfer medium	$$$	$0 Passive AAHX are maintenance free	$0 Passive AAHX are maintenance free
NO ASPECT RATIO LIMITS Systems can be designed with asymmetrical fin lengths and the supply air and exhaust air tunnels can be widely separated	✗	✓	✓

INSTALLATION CONFIGURATION

	ENERGY WHEEL	AIR-TO-AIR HEAT EXCHANGER	SPLIT LOOP THERMOSYPHON AAHX
Variable Distances Between Exhaust Air & Supply Air Streams	✗ Must be Side-by-Side	✓ Up to 12" Separation	✓
Exhaust Air & Supply Air Streams Can be Separated Horizontally	✗ Not Possible	✓ Up to 12" Separation	✓
Exhaust Air & Supply Air Streams Can be Separated Vertically	✗ Not Possible	✓ Single Season	✓
Limitations Size (CFMs)	✗ Not Possible	✓ Coil Size Only Limitation	✓ Coil Size Only Limitation



Scan for the AAHX Selection Tool

Scan for Resources

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