

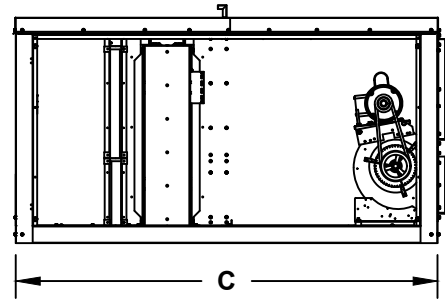
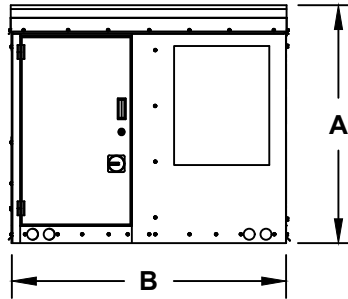
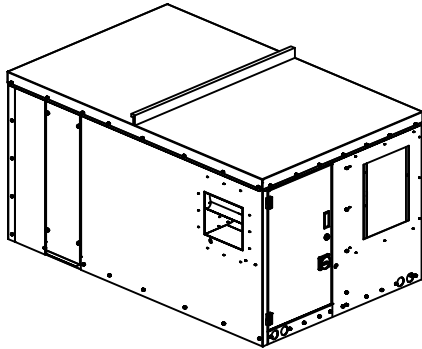
MARK: \_\_\_\_\_

PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_



## Energy Recovery Ventilator Internal Belt Drive With Heating/Cooling Coils



### DIMENSION DATA

Size	A	B	C	Wheel Dia.	Approx Ship Wt
ERV-1500	42-5/8	49-1/4	90-1/4	28	1000
ERV-2500	52-5/8	52	88	36	1100
ERV-3500	59	60-1/2	100-1/2	42	1245
ERV-4500	64-1/2	66-1/2	105-1/2	48	1470
ERV-5500	71	66-1/2	105-1/2	54	1590
ERV-7000	76-1/2	80	115-1/2	60	1985
ERV-8500	83	80	115-1/2	66	2105
ERV-10000	90	84-1/2	136	72	3200

All dimensions in inches. Weight in pounds, less motors, coils and accessories.

### ACCESSORIES

- 13-1/2" high roof curbs
- Duct Adapters
- Duct Flanges for Discharge Openings
- Duct Flange for Intake Openings
- Intake Weatherhood
- Tiered Intake Weatherhood
- Exhaust Weatherhood
- Lorenized Finish
- Gravity Intake Dampers
- Motorized Intake Dampers
- Low Leakage Motorized Intake Dampers
- Insulated Motorized Intake Dampers
- Dampers for Field Mounting in

- Exhaust Ductwork
- Dampers for Field Mounting in Supply Ductwork
- Hinged Access Doors
- Quarter Turn Latches
- Double Wall Construction
- Sensible only Wheels
- Adjustable Purge Section
- Ceiling Mount Isolators
- Field Installed Disconnect Switches
- Dirty Filter Sensor
- Rotation Sensor
- Economizer Mode with Temperature Sensor
- Economizer Mode with Enthalpy Sensor
- On/Off Frost Control
- Exhaust Only Frost Control
- Preheat Frost Control
- DX Coils
- Chilled Water Coils
- Hot Water Coils
- Electric Heat Coil
- Two-Speed Motors
- Variable Frequency Drives
- Timed Exhaust Frost Control

### STANDARD CONSTRUCTION FEATURES:

Energy recovery wheel constructed of fluted synthetic media containing water selective molecular sieve desiccant - Cassette assembly slides out for easy access and consists of energy recovery wheel, drive motor, and drive components - Removable access doors provide access to all internal components - Ventilator cabinet consisting of a minimum 18 gauge galvanized steel housing mounted to a minimum 16 gauge welded steel base - Cabinet internally lined with 1" thick, 3 lb. density, FSK insulation - Two DWDI forward curved steel blowers mounted on vibration isolators - Blower wheel bearings rated at 200,000 hours average life - Blower wheels are factory adjusted to specified RPM - Standard size 2" thick, MERV 8 filters in supply and exhaust air streams - All electrical components pre-wired for single point power connection - Interlock disconnect on hinged control panel door - All coils consist of a casing constructed of galvanized steel with a minimum material thickness of 0.06" - All coil tubing shall be seamless copper with a minimum of 0.016" wall thickness and aluminum plate fin material thickness of 0.006" with 12 fpi or less - All coils provided with recessed vent and drain located on exterior connections - Cooling coils provided with a s/s drain pan with a condensate drain & supply side double-wall construction - Dx coils provided with distributors to receive expansion valves at the liquid connections - An access door is provided to allow DX coil liquid connections to be made in the interior of unit - Electric Post-heat requires a separate power connection from the ERV control panel.

QTY	MARK	CATALOG NUMBER	FAN INFORMATION								MOTOR INFORMATION							ACCESSORIES
			SUPPLY				EXHAUST				SUP	EXH	VOLTS	HZ	PH	TYPE		
			CFM	EFF	SP	RPM	CFM	EFF	SP	RPM	HP	HP						