COOK

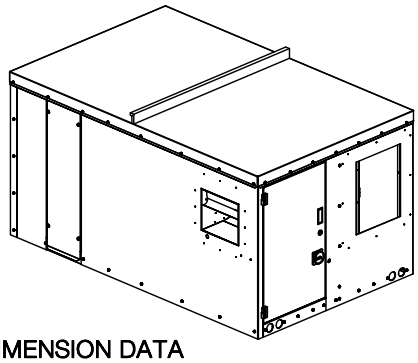
ERV

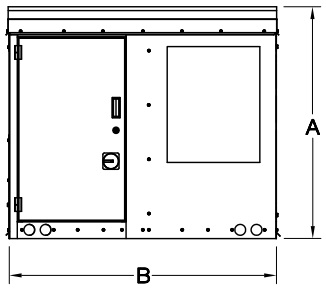
DATE: _____

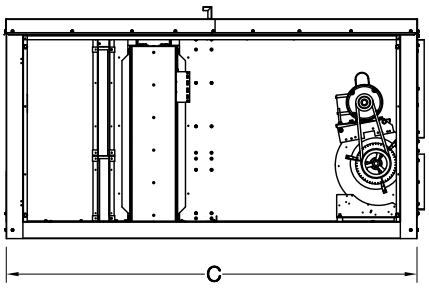
PROJECT: _____

LOCATION: _____

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

1. 13–1/2" HIGH ROOF CURBS
2. DUCT ADAPTERS
3. DUCT FLANGES FOR DISCHARGE OPENINGS
4. DUCT FLANGES FOR INTAKE OPENINGS
5. INTAKE WEATHERHOOD
6. TIERED INTAKE WEATHERHOOD
7. EXHAUST WEATHERHOOD
8. LORENIZED FINISH
9. GRAVITY INTAKE DAMPERS
10. MOTORIZED INTAKE DAMPERS
11. LOW LEAKAGE MOTORIZED INTAKE DAMPERS
12. INSULATED MOTORIZED INTAKE DAMPERS
13. DAMPERS FOR FIELD MOUNTING IN EXHAUST DUCTWORK
14. DAMPERS FOR FIELD MOUNTING IN SUPPLY DUCTWORK
15. HINGED ACCESS DOORS
16. QUARTER TURN LATCHES
17. DOUBLE WALL CONSTRUCTION
18. SENSIBLE ONLY WHEELS
19. ADJUSTABLE PURGE SECTION
20. CEILING MOUNT ISOLATORS
21. FIELD INSTALLED DISCONNECT SWITCHES
22. DIRTY FILTER SENSOR
23. ROTATION SENSOR
24. ECONOMIZER MODE WITH TEMPERATURE SENSOR
25. ECONOMIZER MODE WITH ENTHALPY SENSOR
26. ON/OFF FROST CONTROL
27. EXHAUST ONLY FROST CONTROL
28. PREHEAT FROST CONTROL
29. DX COILS
30. CHILLED WATER COILS
31. HOT WATER COILS
32. ELECTRIC HEAT COIL
33. TWO–SPEED MOTORS
34. VARIABLE FREQUENCY DRIVES
35. 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 componenets – 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, 30% efficient 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	ARR (H,V,C)	FAN INFORMATION								MOTOR INFORMATION						ACCESSORIES
				SUPPLY				EXHAUST				SUP. HP	EXH. HP	VOLTS	HZ	PH	TYPE	
				CFM	EFF	SP	RPM	CFM	EFF	SP	RPM							