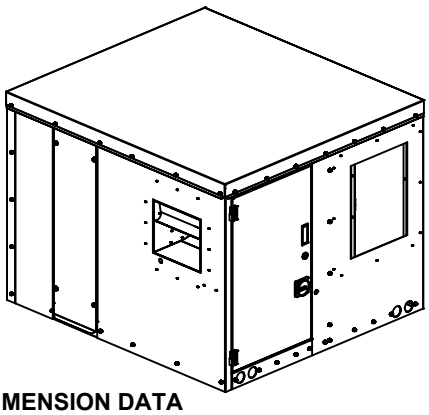
ERV

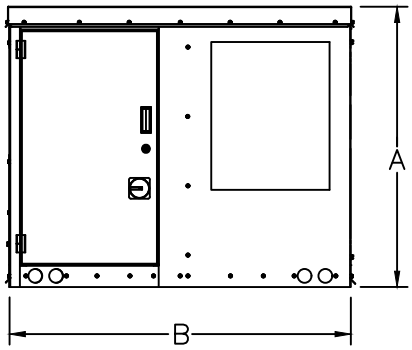
MARK: _____

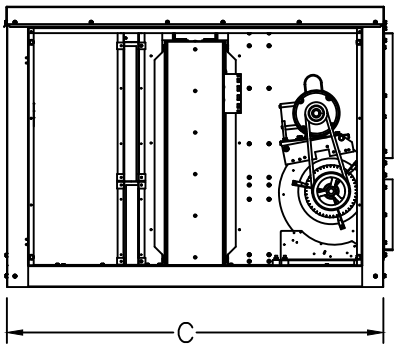
PROJECT: _____

DATE: _____

Energy Recovery Ventilator
Internal Belt Drive







DIMENSION DATA

Size	A	B	C	Wheel Dia.	Ship Wt.
ERV-1500	40-1/2	49-1/4	54-1/4	28	604
ERV-2500	50	52	52	36	722
ERV-3500	59	60-1/2	64-1/2	42	990
ERV-4500	64-1/2	66-1/2	69-1/2	48	1111
ERV-5500	71	66-1/2	69-1/2	54	1235
ERV-7000	76-1/2	80	79-1/2	60	1609
ERV-8500	83	80	79-1/2	66	1734
ERV-10000	90	84-1/2	100	72	2817

ALL DIMENSIONS IN INCHES. WEIGHTS IN LBS., LESS MOTOR.

ACCESSORIES

1. 13-1/2" high roof curbs
2. Duct Adapters
3. Duct Flanges for Discharge Openings
4. Duct Flange 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

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 galvanized 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

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					