

Quote number: JH-1186-02

Revision #: 2

Revision Date: 11/7/2023

Date: 7/11/2023

Customer: Dana Polojarvi

Attention:

Phone: 207-469-2623

Email: DPolojarvi@gmail.com

Project: Polojarvi House

Street: 35 Cross St

City: Orland

State: ME

Zip: 04472

CA200L ERV: Internal Preheater, Installed

Air Distribution Schedule

This table describes and details the layout of your quoted Zehnder system. The various sections of the table are described below. The table has four additional values, located under the main table. The Air Changes/Hour value is the amount of air the unit moves per hour as a percentage of the buildings total volume. The estimated Average Duct Run and Ceiling Height are used to make some calculations in the Air Distribution Schedule. The CFM/Tube value is used similarly.

Floor and Room Columns

Describe the areas receiving direct ventilation.

Number of Tubes Column

Shows the number of ducting tubes that will need to be run from the unit to the room listed.

Termination Columns

Describes the register box style, the register cover, and register location for each room.

Area, Height, and Volume Columns

Calculate the size of the project and the total air volume of the space.

Air Volume Columns

Shows the amount of air (either blue for supply or red for return) the unit services the listed rooms (in cubic feet per minute).

Control/Sensor Column

Shows any additional electrical components located in the listed room, if any.

Floor	Room	Area	Height	Volume	# of Tubes	Air Volume (CFM)		Termination			Control/Sensor
						Supply	Return	Register	Cover	Location	
Basement	Open										
	Open										
First Floor	Kitchen										
	Bath										
	Living				3		50	RB-2	Luna-E	Ceiling	
	Dining										
Second Floor	Bed 1				1	18		CLD 2T	Roma (WT)	High Wall	
	Bed 2				1	18		CLD 2T	Roma (WT)	High Wall	
	Bed 3				1	18		CLD 2T	Roma (WT)	High Wall	
Attic	Open				1			CLD 2T	Roma (WT)	High Wall	ComfoSense
Attic	Open				1	11		CLD 2T	Roma (WT)	High Wall	
Total		1,600				13,120	8	65			65

Air Changes/Hour: 0.30

Est. Ave. Ceiling Ht.: 8.20 ft.

Houseside Ducting: ComfoTube

Est. Ave. Duct Run: 40 ft.

CFM/Tube: 15

Unit Size:

CA200

Unit Type: ERV
Unit Orientation: Left
Preheat Option: Internal

ComfoWell Mount: Direct
ComfoWell Ports: 6
Unit Mount: Ceiling

Unit Ducting: ComfoPipe
Quantities: Standard

Control Options

Description: The CA units are controlled by the ComfoSense Controller, a wall mounted control unit that gives the user access to the system's functions, and is hard wired back to the unit.

Filtration

Category: Standard

Description: F7 (MERV 13) filter is provided to filter the supply air and a G4 (MERV 7/8) filter is used on the exhaust side to protect the unit.

Commissioning

Category: Harriman Vent. Discount

Description: A \$100 Discount on Commissioning Fee is Offered to Harriman Ventilation Customers. A qualified Harriman Ventilation agent will be sent to the project site, after installation is complete and interior surfaces are installed, to balance the system and ensure that the air flows shown in the table above are achieved. Additionally, the system settings will be configured to provide optimal ventilation to the space.

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Detailed Parts List Available Upon Request

Section 1: ComfoAir Ventilation Unit and Required Components	CA200	TOTAL	\$ 3,577
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Contains the HRV or ERV unit, the preheating component, the drainage component, and the unit filters. Please verify unit orientation before completing order.

Section 2: ComfoSense and Other Controls		TOTAL	\$ 237
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Contains the required unit controller, bathroom boost switches, and other sensor options. Locations are shown on the Air Distribution Layout Table.

Section 3: ComfoPipe and Exterior Grills		TOTAL	\$ 471
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Contains all components needed to penetrate the building envelope and connect the unit to the outside. The Exterior Wall Grills, Rolflex Gasket, and single piece of ComfoPipe are necessary for rough in.

Section 4: ComfoWell Components		TOTAL	\$ 1,411
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Contains the components required to connect the internal ducting to the unit, including the silencer and manifold.

Section 5: ComfoFresh Ducting		TOTAL	\$ 800
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Contains the ducting from the ComfoWell to the rooms. Ducting lengths are approximated, please verify quantities. This entire section is necessary for rough in.

Section 6: ComfoFresh Register Boxes		TOTAL	\$ 436
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Contains the register box styles shown in the Air Distribution Layout Table. This entire section is necessary for rough in.

Section 7: ComfoFresh Register Covers		TOTAL	\$ 367
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Contains the register cover styles shown in the Air Distribution Layout Table.

Section 8: Filtration	Standard	TOTAL	\$ 57
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Contains all filters and filter accessories.

Section 10: Miscellaneous Parts		TOTAL	\$ 153.50
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Contains all other parts necessary to complete the system design.

Estimated Labor		TOTAL	\$ 3,650.00
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Color Key:	Customer to Verify Orientation	
	Customer to Verify Quantity	

EQUIPMENT TOTAL	\$ 7,509.50
Commissioning Fee	\$ 300.00
Tax @ 5.5%	413.02
Shipping	TBD
Estimated Labor	\$3,650.00
PROJECT TOTAL	\$ 11,872.52

Terms:

Remarks:	Confirm layouts and LEFT/RIGHT version of ERV/HRV prior to ordering. Amounts of ducting (both for intake/exhaust and distribution, if included) have been estimated site unseen based only on assumptions and averages and must be confirmed by customer prior to ordering. Air volume shown in cubic feet per minute (CFM).
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Conditions:	Quotation valid for 30 days from date above. The materials quotation is applicable solely for the materials listed and in the quantities shown and is based upon the system design as understood at the time of the quotation. The estimated labor is based on the typical cost of labor on a system of this size and design, and may differ from the actual cost. Changes to the system design, deviations in the actual construction or in the expected installation process may result in additional material requirements and/or additional labor costs which are not included in this quotation. A 23% restocking fee will be charged for returned items. A \$55/line change fee will be assessed on changes made after an order has been placed.
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Shipping:	FOB Buffalo, NY or Port of Entry. Zehnder will select a carrier unless otherwise requested by customer. This quote does not include shipping cost which can vary widely and will be calculated when ordering. Local pick-up available at the warehouse in Buffalo, NY. A lead time of 12 weeks is required on orders containing four or more ventilation units.
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Payment:	Equipment Payment due on order, shipping and Installation as per contract. Maine orders are subject to state sales tax requirements. Check/Money order or Credit/Debit Card unless otherwise agreed upon
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