

INTERNAL HEAT RECOVERY VENTILATOR

Model 20LCi

Part no. 1610538



VB0036

ENERGY AND COST SAVING IN VENTILATION

Suitable for a wide range of applications, this unit delivers 2000 cfm (944 l/s) of ventilation air at 1" w.g. (250 Pa) of external static pressure. The 20LCi features a powerful set of belt-driven blowers and rugged polypropylene core and recovers sensible energy.

- Indoor installation
- Belt-driven blowers
- Quiet operation
- Removal of major serviceable parts in less than 7 minutes

This product is designed for indoor installation in a mechanical room or suspended from a ceiling. It has been developed to deliver the level of ventilation required to solve a range of indoor air quality problems while saving energy. The 20LCi heat recovery ventilator saves on operating costs, decreases demand load and considerably reduces capital costs for heating equipment.

Available at:

Controls

- The basic control is made with terminal strips to select ventilation mode. For optional remote controls, the terminal strips will allow on/off control from remote contacts. Please note that the optional controls can only be installed with 2-speed units.
- Optional remote controls are:
 - Venta (off/min/max and dehumidistat) no. 40310
 - Basic (off/min/max and dehumidistat) no. 40210

Heat Recovery Core

Type: Plate to plate

Material: Polypropylene or aluminum (optional)

Sensible effectiveness: 56%

Service: Easily removable on co-extruded tracks for cleaning

Cross-leakage: Less than 1%

Warranty: 15-year warranty

Optional Features and Accessories

- Recirculation Defrost no. 14055
- Aluminum Core no. 04812
- Motor: 208/230/1/60, 1.5 hp, 2 speeds no. 04868
- Motor: 208/230/1/60, 2 hp, 1 speed no. 04813
- Flow Measuring Station no. 1605135

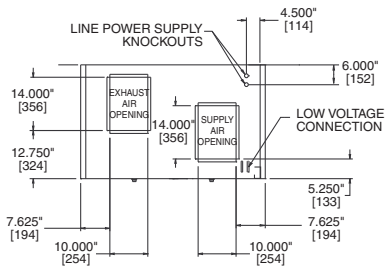
Requirements and Standard

- Complies with CSA C22.2 and UL 1812
- CETL and ETL approved
- Airflow data complies with AMCA 210 method of testing
- Insulation complies with NFPA 90A requirements for flame spread and smoke generation
- Polypropylene heat recovery core complies with UL standard 94-HB

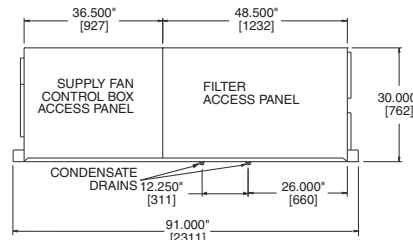
Warranty

The 20LCi unit is fully protected by a 2-year warranty on all parts, excluding heat recovery core.

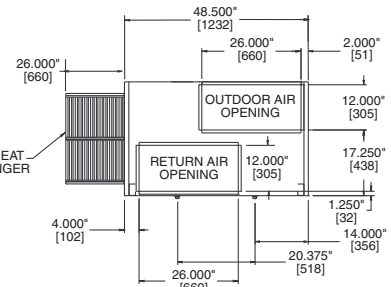
Dimensions and clearance: 20LCi



VK0032A LEFT SIDE



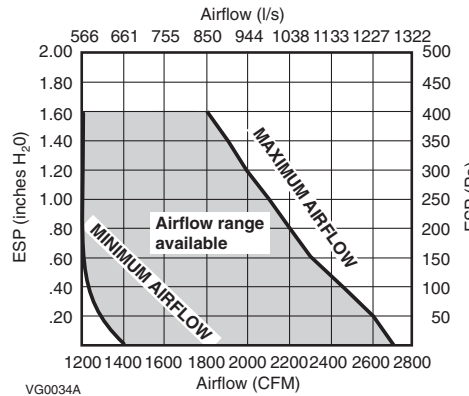
FRONT



RIGHT SIDE

NOTES: 1. A minimum of 26" clearance from any obstruction is required for removal of plate heat exchanger, fans and filters.
2. Dimensions in brackets are in millimeters.

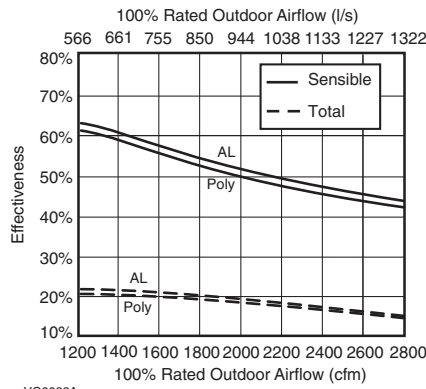
Ventilation Performances



VG0034A

NOTES: 1. Airflow range is achieved by various pulley and motor combinations.
2. Airflow based on supply motor.

Energy Performances



VG0032A

Polypropylene Core (Poly)

Conditions	Heating Season		Cooling Season	
	75% of rated flow	100% of rated flow	75% of rated flow	100% of rated flow
Effectiveness at:	75% of rated flow	100% of rated flow	75% of rated flow	100% of rated flow
Sensible	56%	50%	54%	48%
Latent	0%	0%	0%	0%
Total	38%	33%	19%	17%

Aluminum Core (Al)

Conditions	Heating Season		Cooling Season	
	75% of rated flow	100% of rated flow	75% of rated flow	100% of rated flow
Effectiveness at:	75% of rated flow	100% of rated flow	75% of rated flow	100% of rated flow
Sensible	59%	53%	57%	51%
Latent	0%	0%	0%	0%
Total	39%	35%	20%	18%

NOTE: Latent effectiveness = 0. Base airflow rate at 2000 cfm.

Specifications and Ratings

- Model: 20LCi
- Part number: 1610538 (with polypropylene core)
- Total assembled weight: 700 lb
- Dampers: Non-insulated spring return supply damper, non motorized exhaust damper
- Housing: White, pre-painted steel
- Defrost: Exhaust only, available with non-insulated spring return only
- Filtration: Standard
- Motor: Single phase, 1.5 hp, 1 speed
- Unit electrical characteristics:
 - Voltage: 208 volts ac
 - Frequency: 60 Hz

Submitted by:		Date:	Project:
Quantity:	Model number:	Remarks:	Location:
			Architect:
			Engineer:
			Contractor:

