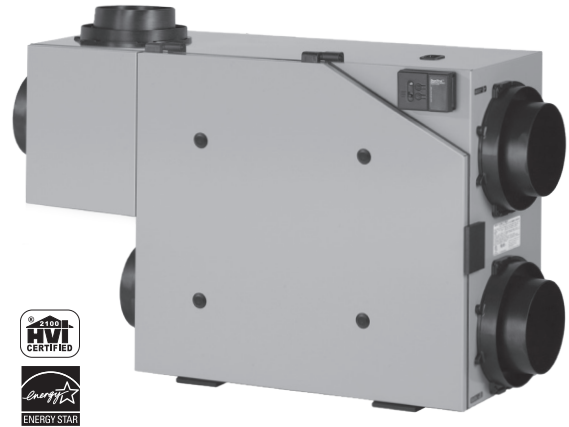


ENGINEERING DATA

XDH 7.15 HRV Model

Heat Recovery Ventilator with Recirculation
30 CFM (14 L/s) to 150 CFM (71 L/s)

Item No. 463005 (XDH 7.15 Greentek)



FEATURES

- 5 operating modes (Econo, Intermittent, Continuous, Recirculation* & High)
 - 100% variable speed
 - Integrated door pressure balancing taps
 - ISF™ 6" (152.5 mm) dia. collar system
 - Proportional defrost sequence
 - SPM™ Single Person Mounting system
 - Permanent lubrication PSC motors
- *Recirculation mode available with optional Vectra EHC 1.5 Control*

APPLICABLE REQUIREMENTS

- HVI Certified
- CSA C439 Standard - Packaged Heat/Energy Recovery Ventilators (HRV/ERV)
- CSA Standard CSA 22.2 N°.113 - Fans and ventilators
- UL Standard 1812. Ducted Heat/Energy Recovery Ventilators (HRV/ERV)
- ENERGY STAR®, SRE, TRE and fan efficacy minimum requirements

OPTIONAL ACCESSORIES

- MERV 8 Inline 6" (152.5 mm) filter box
- R-2 Style high performance supply & exhaust ventilation hoods

CABINET

- 20 gauge galvanized pre-painted steel corrosion resistant
- Cabinet liner: Polyethylene Foam Rated UL94 HF-1

ELECTRONIC COMPONENTS

- Electrical Input Voltage: 120 VAC/60Hz / 1-Phase.
- Electrical Input Current: 1.0 Amps Max
- Circuit output voltage: 5VDC nominal
- Integrated auxiliary furnace interlock relay
- RoHs compliant

MOTORS

- Two permanent sealed, lubricated variable speed PSC Motors. (Maintenance free)
- Maximum RPM 2695 / Horsepower; 3/32 HP. Class F, thermally protected
- CSA 22.2 #113-10, clause 8.3.5
– Backup protection – totally enclosed motor

POLYPROPYLENE HRV CORE

- Dimensions 12" x 12" x 10" depth (304.8 mm x 304.8 mm x 254 mm)
- Corrugated cross-flow polypropylene layers, rated UL94 HB & HF-1
- Cross-flow that transfers sensible heat
- Endure harsh temperatures; effective in cold climates
- Water washable

DUOTROL™ BALANCING SYSTEM

- The system is balanced by adjusting each motor independently
- No balancing dampers required
- Connection terminals for optional wall controls
- Quiet and energy efficient

DEFROST

- Advanced 5th port damper defrost sequence
- Defrost type: Recirculation Activated automatically at -5°C (23°F)
- Recirculation of warm ambient air throughout the home

DUCT CONNECTIONS

- Insert Slide & Fix (ISF™), removable collars system
- Five (5) 6" (152.5 mm) dia. round double collar.

MOUNTING

- Adjustable mounting strap system

FILTERS

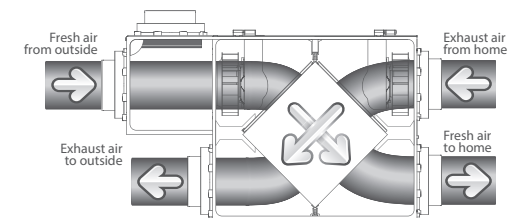
- Two (2) Fiberbond washable - 11¹/₁₆" x 9³/₄" x 5⁸/₁₆" (297 mm x 248 mm x 15.9 mm)
- UL Class 2

WARRANTY

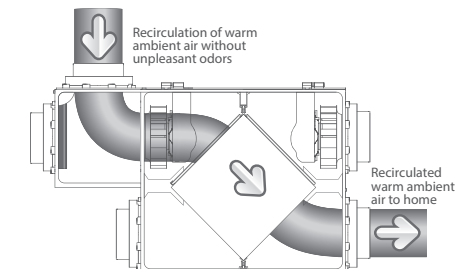
- 10 year limited warranty on motors
- 5 year limited warranty on parts
- Lifetime limited warranty on Heat Recovery Core

AIRFLOW

Continuous Ventilation Mode



Advanced Defrost Sequence / Recirculating Mode



Greentek
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ENGINEERING DATA XDH 7.15 HRV

SPECIFICATIONS XDH 7.15 HRV

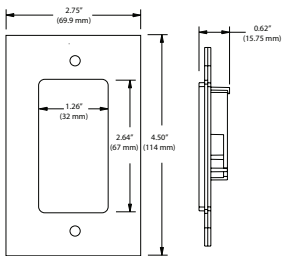
Dimensions	37½" x 24¼" x 11⅞" (952.5 mm x 616 mm x 287 mm)
Duct Connections	Five (5) 6" (152.5 mm) dia. ISF double collar system
Airflow Rates	30 CFM (14 L/s) to 150 CFM (71 L/s)
Motor	Two (2) PSC variable speed backward curved
Voltage	120 VAC @ 60 Hz / 1 Phase
Amperage	1.0 A / 100 watts
Type of heat exchanger	Cross-flow Polypropylene
Exchange surface	85 ft² (7.9 m²)
Defrost type	Recirculation
Filters	Two (2) Fiberbond washable
Drain Connection	½" (12.7 mm)
DuoTrol	Integrated Balancing System
Actual Weight	50.5 lbs (22 Kg)
Shipping Weight	56 lbs (25 Kg)
Certification	HVI, ENERGY STAR, cCSAUS, CSA 22.2 N°113 Complies with UL 1812

OPTIONAL WALL CONTROLS

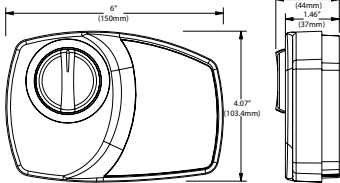
Digital	EHC1.0TC and EHC1.5DC
Mechanical	RD-1, RD-2, RD-3P and RD-4P
Timers	T3 (20, 40, 60 minutes)

WALL CONTROL DIMENSIONS

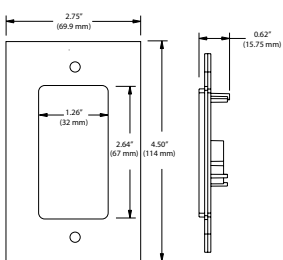
EHC1.0 & EHC1.5



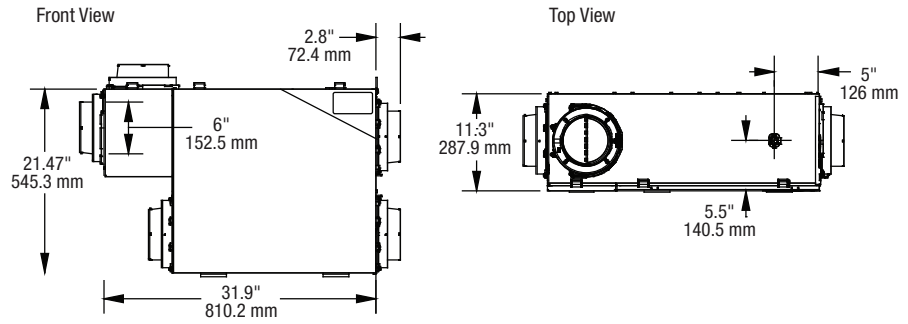
Mechanical



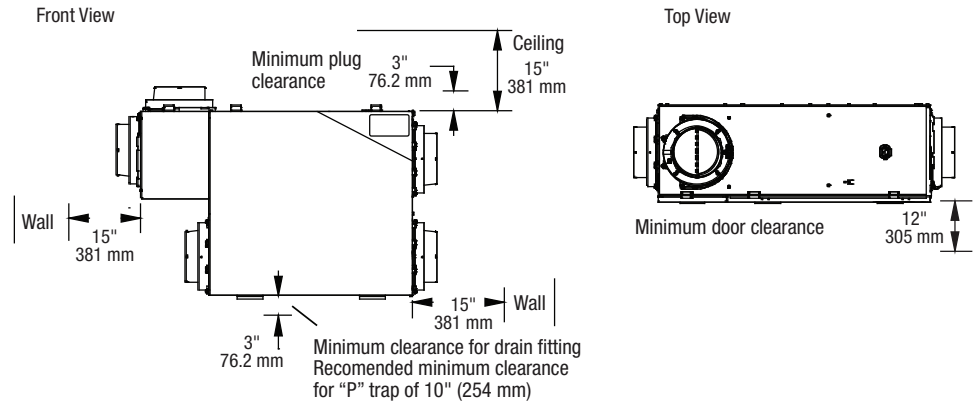
T3 Timer



DIMENSIONS DATA

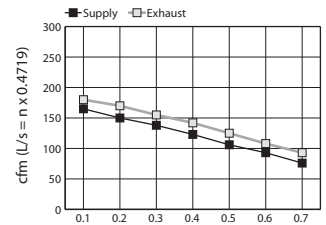


MINIMUM CLEARANCE DATA



VENTILATION PERFORMANCE

External Static Pressure	Net Supply Air Flow		Gross Air Flow Supply		Gross Air Flow Exhaust	
	Pa	in. wg	L/s	CFM	L/s	CFM
25	0.1	77	163	78	165	85
50	0.2	70	148	71	150	80
75	0.3	64	136	65	138	73
100	0.4	57	121	58	123	67
125	0.5	50	106	50	106	59
150	0.6	44	93	44	93	51
175	0.7	36	76	36	76	44



This product earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

ENERGY PERFORMANCE

	Supply Temperature		Net Air Flow		Power Consumed	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency
	°C	°F	L/s	CFM	Watts	SRE %	ASRE %
HEATING	0	32	30	64	52	71	76
	0	32	40	85	60	68	73
	0	32	50	106	72	65	69
	-25	-13	32	68	59	64	67

Quoted by:	Date:
Project:	Remarks:
Quantity:	
Model:	
Site:	
Architect:	
Engineer:	
Contractor:	