



RESIDENTIAL

HRV

H120-TQG

HEAT RECOVERY VENTILATOR

108 CFM at 0.20 in.w.g (ESP)



C22.2 no113
UL 1812



CORE

UNIT

PRODUCT DESCRIPTION

The H120-TQG has been thoughtfully engineered for simple installation in apartments, condos, and small houses. The 4-inch removable collars are top-mounted, which makes the unit both narrow and shallow enough to fit inside standard closets and other tight spaces.

The H120-TQG features recirculation defrost using four ports, and can be adjusted to deliver balanced airflows between 50 and 108 CFM.



Recovery Core

Material: Polypropylene

Casing

Material: Pre-painted 24-gauge galvanized steel

Drain Connection: Ø 3/8" (Ø 10 mm)

Duct Connections: Ø 4po (Ø 102 mm)

Insulation: Molded EPS

Width: 23-1/8" (587 mm)

Height: 16-3/4" (425 mm)

Depth: 12-3/8" (314 mm)

Weight: 32 lb (15 kg); Poids d'expédition: 40 lb (18 kg)

Supply Damper: Motorized

Exhaust Damper: Gravity



Mounting

Suspended by chains with vibration-isolating springs

Wall-mounting accessory available (P/N 608575)



Electrical requirement

120 VAC, 60Hz, 1.45A, 145W

Cord Set: 48" (1219 mm) with ground



Frost control

Automatic timed recirculation, four port

Cycles controlled by a temperature sensor when the outdoor temperature drops below 23°F (-5°C)



Filters

Type : Two MERV6 filters (P/N 612409)

Option : Two MERV13 filters (P/N 612410)



Blowers

Motorized impellers (backward-inclined)

KEY FEATURES

Electronically and independently adjustable supply and exhaust blowers (FLEXControl)

Gauge ports on the door for fast and reliable airflow readings

Exclusive EvacMax™ feature that provides on-demand boost for maximum ventilation

Non-dust-loading backward-inclined impellers on totally enclosed motors

Twist-in collars for easy flex-duct attachment

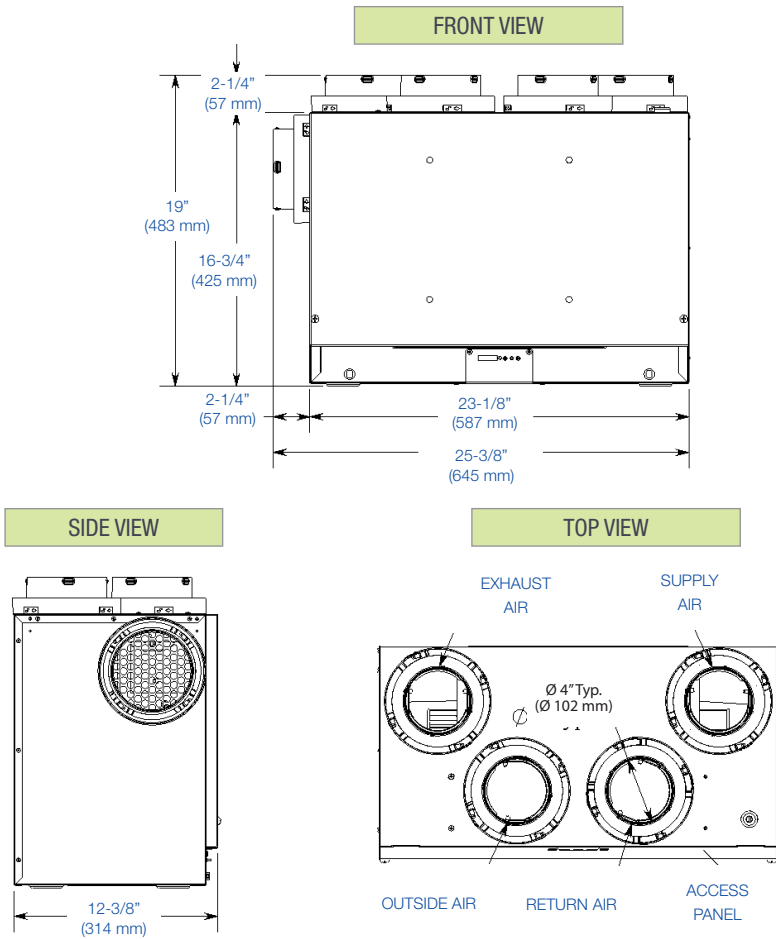
Easy access to core and filters for cleaning

Extremely durable polypropylene core

Recirculation defrost to maintain a neutral pressure in the home, and using only the four duct connections. No fifth duct connection required

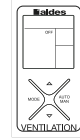


Dimensions

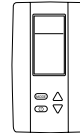


Controls

Low voltage dry contact (24VAC) for interlock with heating/cooling systems.



Digital Multifunction Control (# 611242) and (#611242-FC)



LCD Electronic Multifunction Control (P/N 611227)



20/40/60 Minute Timer (P/N 611228)



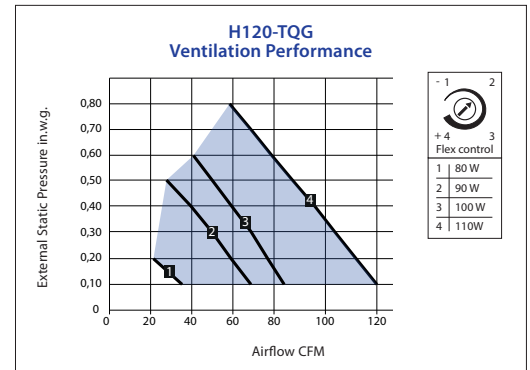
Speed Control (Low/Intermittent/High) (P/N 611229)



Mode Control (Recirculation) (P/N 611230)

Performance

Supply Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency
°F	°C	CFM	L/s			
32	0	47	22	44	67%	74%
32	0	61	29	52	64%	70%
32	0	74	35	80	61%	68%
-13	-25	49	23	65	54%	58%



Project:		Architect:	
Location:		Engineer:	
Model #:		Contractor:	
Quantity:		Comments:	
Submitted By:			
Date:			

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