



RESIDENTIAL

HRV

H190-TQG

HEAT RECOVERY VENTILATOR

198 CFM at 0.40 in.w.g (ESP)



C22.2 no113
UL 1812



(Canada)



CORE

UNIT

PRODUCT DESCRIPTION

Compact size, large performance. The H190-TQG heat recovery ventilator exchanges up to 198 CFM of fresh air at 0.4 in.w.g. (ESP) and recovers heat through its high-efficiency polypropylene core. The H190-TQG has been thoughtfully engineered for simple installation in almost any size of house.

KEY FEATURES

Electronically and independently adjustable supply and exhaust blowers (FLEXControl)

Gauge ports on the door for fast and reliable airflow readings

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



Recovery Core

Material: Polypropylene

Casing

Material: Pre-painted 24-gauge galvanized steel

Drain Connection: Ø 3/8" (Ø 10 mm)

Duct Connections: Ø 6" (Ø 152 mm)

Insulation: Molded EPS

Width: 29-3/16" (741 mm)

Height: 21" (533 mm)

Depth: 15-1/8" (384 mm)

Weight: 46 lbs (21 kg); Shipping Weight: 51 lbs (23 kg)

Supply Damper: Motorized; Exhaust Damper: Gravity



Mounting

Suspended by chains with vibration-isolating springs



Electrical requirement

120 VAC, 60 Hz, 1.95 A, 155 W

Cord Set: 48" (1219 mm) with ground



Frost control

Automatic timed recirculation. Cycles controlled by a temperature sensor when outdoor temperature drops below 23°F (-5°C)



Filters

Type : Aluminum (P/N 683959)

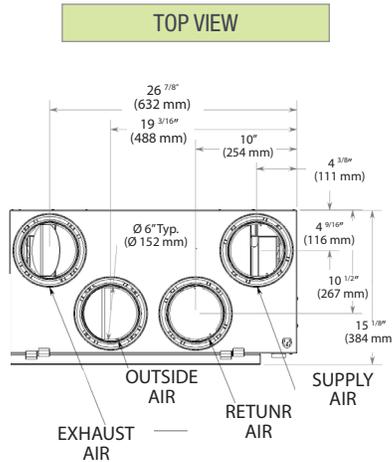
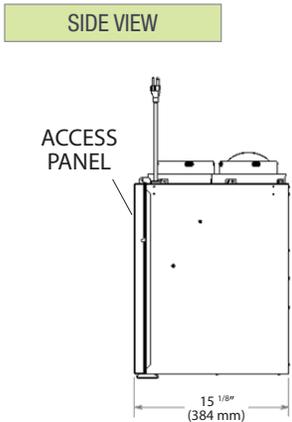
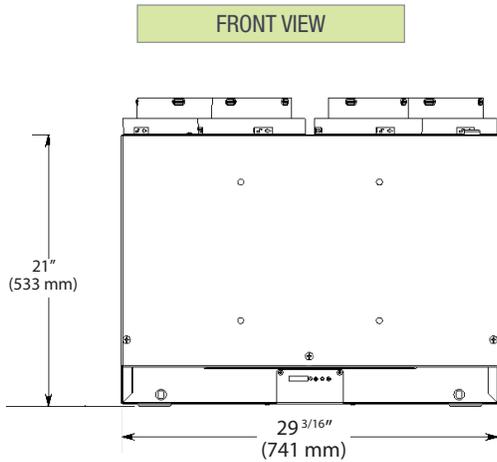
Option : MERV 6 (P/N 683958) or high-efficiency MERV 13 (P/N 683957)



Blowers

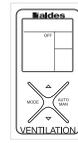
Motorized impellers (backward-inclined)

Dimensions

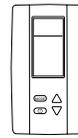


Controls

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)

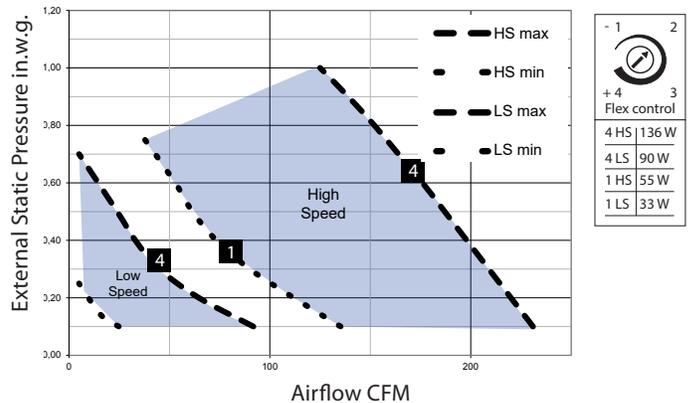


Mode Control (Recirculation) (P/N 611230)

Performance

Supply Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency
°F	°C	CFM	L/s			
32	0	64	30	60	75%	82%
32	0	80	38	66	73%	79%
32	0	121	57	116	68%	74%
-13	-25	68	32	91	67%	71%

H190-TQG Ventilation Performance



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

For more information, contact your Aldes sales advisor, visit aldes-na.com, call 1.800.255.7749, or find us on

