



RESIDENTIAL H190-TQG

Heat Recovery Ventilator

PRODUCT
SPECIFICATIONS
& TECHNICAL
DATA

CERTIFIED
AT 75% SRE



*Sensible Recovery Efficiency

PRODUCT DESCRIPTION

Compact size, large performance – the H190-TQG heat recovery ventilator **exchanges 130 to 200 CFM of air 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.

The H190-TQG has two exclusive features. EvacMAX™ provides on-demand boost for maximum ventilation. With FLEXControl, airflow circuits can be calibrated electronically, eliminating the need for resistance-inducing balancing dampers and improving overall efficiency.

KEY FEATURES

- ENERGY STAR® qualified (Canada)
- Electronically and independently adjustable supply and exhaust blowers (FLEXControl)
- Gauge ports on the door for fast and reliable airflow readings
- Removable top-mounted collars
- Twist-in collars for easy flex-duct attachment
- Non-dust-loading backward-inclined impellers on totally enclosed motors
- Easy access to core and filters for cleaning
- Extremely durable polypropylene core
- Optional high-efficiency filters
- Recirculation defrost to maintain a neutral pressure in the home, and using only the four duct connections. No fifth duct connection required

CASING

Material: Pre-painted 24-gauge galvanized steel
Drain Connection: Ø 3/8" (Ø 10 mm)
Duct Diameter: Ø 6" (Ø 152 mm)
Insulation: 1" (25 mm) Fiberglass with FSK
Width: 29-5/16" (745 mm)
Height: 19-7/16" (494 mm)
Depth: 15-11/16" (398 mm)
Weight: 50 lbs (23 kg); Shipping Weight: 56 lbs (25 kg)
Supply Damper: Motorized; Exhaust Damper: Gravity

MOUNTING

Suspended by chains with vibration-isolating springs

RECOVERY CORE

Material: Polypropylene

BLOWERS

Quantity: 2
Type: Motorized impellers (backward-inclined)

ELECTRICAL REQUIREMENTS

120 VAC, 60 Hz, 1.8 A, 216 W
Cord Set: 48" (1219 mm) with ground

CONTROLS

Low voltage (24VAC) for:

- LCD Electronic Multifunction Control (P/N 611227)
- Digital Multifunction Control (P/N 611242)
- Mode Control (Recirculation) (P/N 611230)
- Humidity Control (P/N 611224)
- Speed Control (Low/Intermittent/High) (P/N 611229)
- 20/40/60 Minute Timer (P/N 611228)

FROST CONTROL

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

FILTERS

Quantity: 2
Type: Aluminum (P/N 612261)
Optional: Carbon (P/N 612262), MERV 6 (P/N 612408) or high-efficiency MERV 13 (P/N 612263)

WARRANTY

Core Assembly: Limited lifetime warranty
All Other Covered Components: Limited 5-year warranty

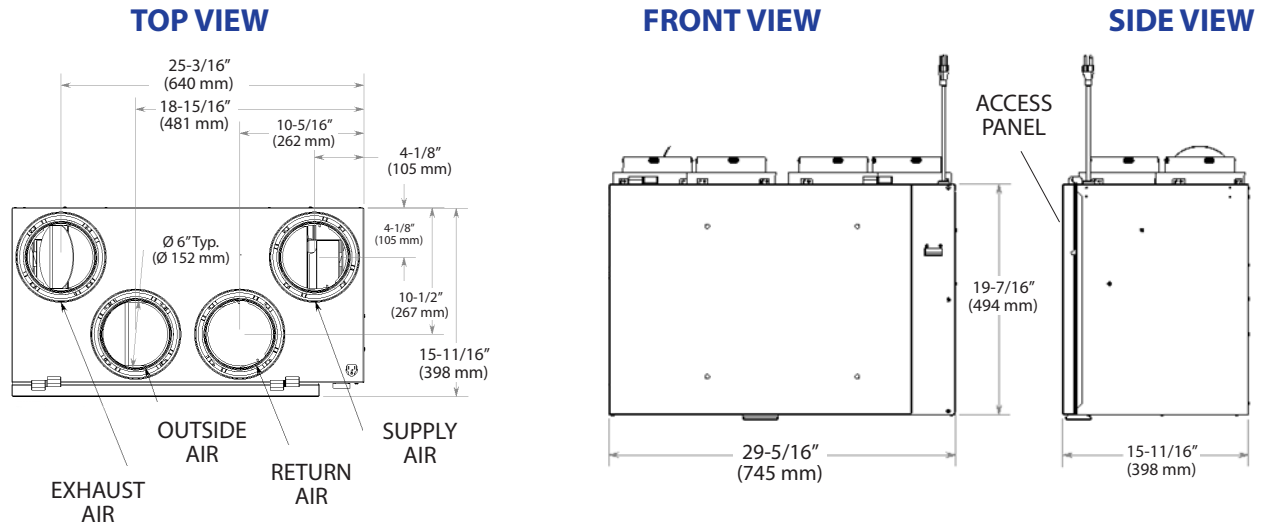
APPROVALS

Meets Standards:

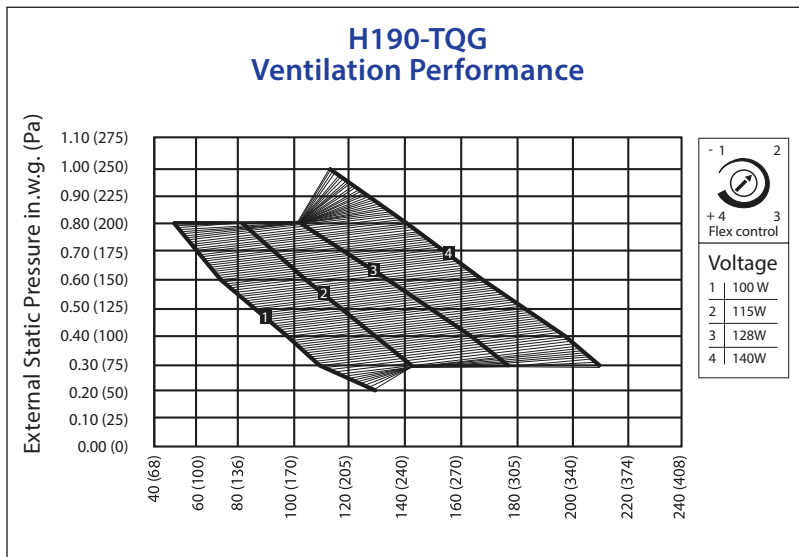
- C22.2 no113 and UL 1812
- ENERGY STAR® qualified (Canada)



Dimensions



Performance



Energy Performance

Supply Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Apparent Sensible Effectiveness
°F	°C	CFM	L/s			
32	0	64	30	60	75%	83%
32	0	80	38	66	73%	81%
32	0	121	57	116	68%	76%
-13	-25	68	32	91	67%	83%



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

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