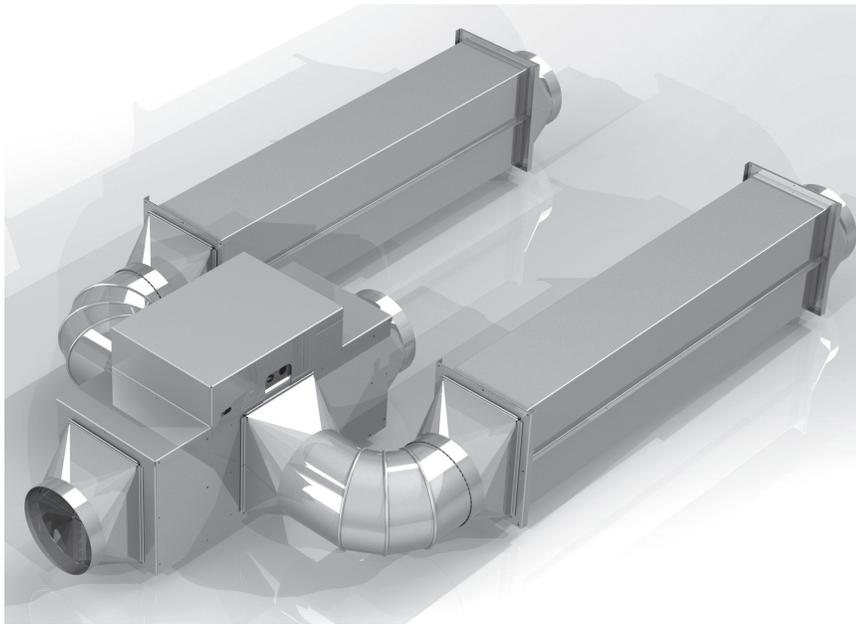


RGSP-K 100 ECM

Energy Recovery Ventilator

PRODUCT SPECIFICATIONS & TECHNICAL DATA



Description

DUAL CORE®

Tempeff has launched the RGSP-K, a new configurable ERV utilizing DualCore energy recovery for smaller airflows at a friendly price point. DualCore technology can provide >90% sensible heat recovery without the need for a defrost strategy in cold climates. This new format can be ceiling mounted and configured in many different ways to suit tight and challenging project conditions.

RGSP-K Performance Options (Please indicate preferred options.)

- Supply & exhaust temp sensors for free cooling
- Dedicated path damper (fast-acting damper for long duct runs, 5" connections)
- Bathroom timers/boost switch
- Dehumidistat
- Supply air filter (bolt-on filter box with 12x12x2 Merv10 filter)
- Drain kit (1/2" barb tee and 10ft of 1/2" clear hose to collect heat exchanger condensate)
- Duct connection kit (26ga 5" side takeoff fittings)
- Insulation kit (1" foil-faced fiberglass for 200mm wide heat exchanger boxes)
- Mounting kit (twist chain & springs to suspend the unit)
- Low Limit Switch

Approvals

Conforms to UL 1995
Certified to CSA C22.2 No. 236



Condensation Control System

Dual Core technology is frost-resistant and typically does not require a defrost strategy. A daily 30min condensation control cycle is built-in to maintain HX performance in extreme cold operating conditions. This feature can be disabled if supply & exhaust air flow is properly balanced, and space exhaust humidity is at a reasonable level.

Warranty

The ERV is protected by a 1-year warranty on parts only. The aluminum cores have a 10-year warranty.

Specifications

Casing: 20-gauge galvanized steel

Mounting: Fan-damper and heat exchanger boxes can be installed in various configurations (see next page). Keep duct length between fan-damper and exchanger box to 3 equivalent duct diameters, or less. Optional ceiling mount kits are available.

Heat Recovery Cores: Dual Core generation 3 high-efficiency aluminum cores; regenerative type.

Internal Damper: Fast-acting damper, less than 1 sec switch over.

Blowers: Backward inclined supply and exhaust blower with multiple speed ECM motors and built-in class F thermal protection. Additional protection for blocked rotor, overcurrent, under/overvoltage, and abnormal low speed.

Filters: Optional kit with 2" deep Merv13 or Merv15 filters also available.

Electrical Requirements

Voltage: 120, **FLA:** 6.6, **Rated Power, W:** 400

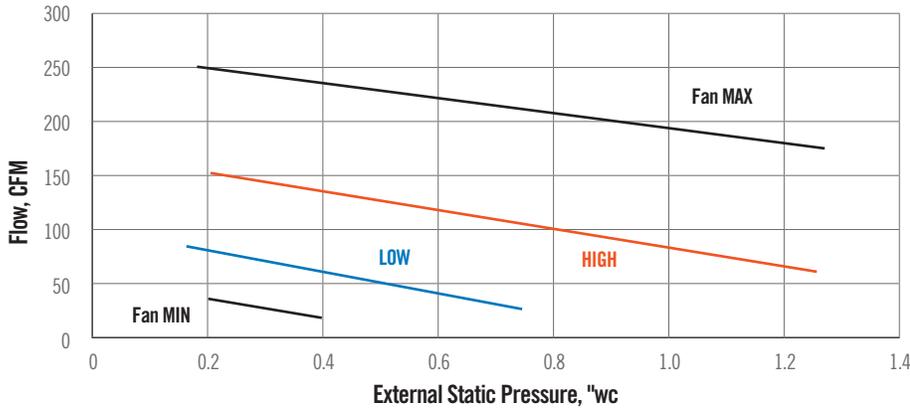
Controls

This unit is very simple to operate and to control out of the box. It recovers energy and runs at low speed continuously. On a call from a bathroom switch or dehumidistat the blowers shift to high speed for 20 minutes. The factory-jumpered enable and heat recovery/free cooling contact allow for easy integration into a BMS. Furnace/air handler interlock and alarm/status relay contact are standard output features.

RGSP-K 100 ECM

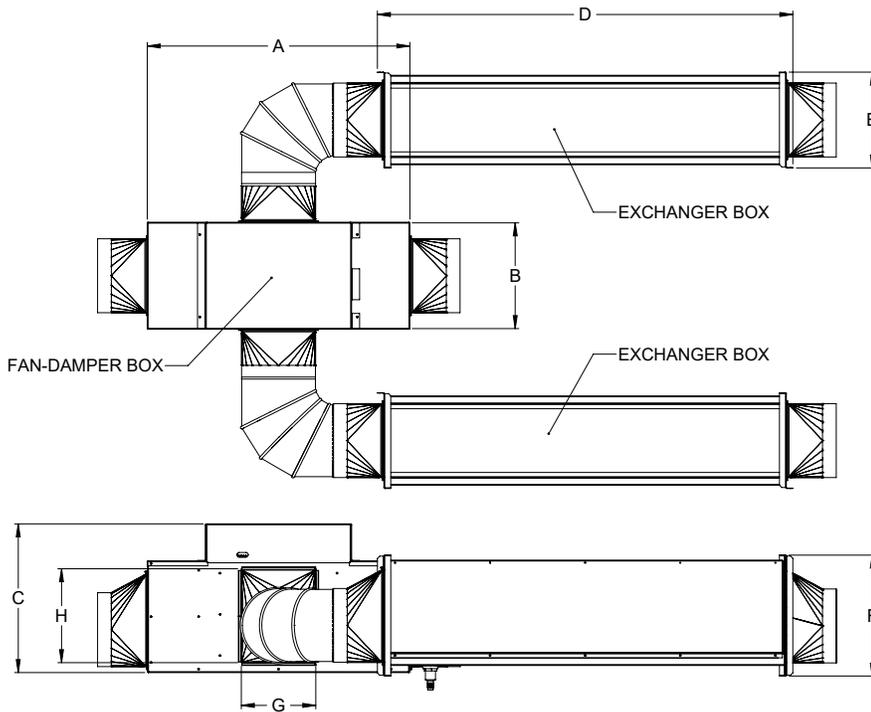
Energy Recovery Ventilator

PRODUCT SPECIFICATIONS & TECHNICAL DATA

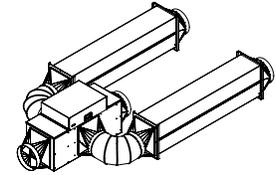


	Fan-Damper Box			Exchanger Box			Duct Connection	
	A	B	C	D	E	F	G	H
Dimensions	29 3/4"	14"	17 3/4"	45 3/8"	10 1/2"	8 1/2"	5 1/4"	7 1/4"
Weights	59 lbs			39 lbs			Total 137 lbs	

All weights (lbs) are estimated

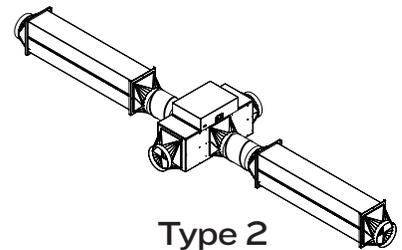


Mounting Configurations

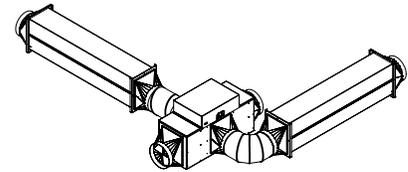


Type 1

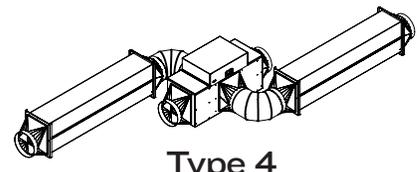
Note: For ceiling mount, the damper section can be inverted to allow access for service.



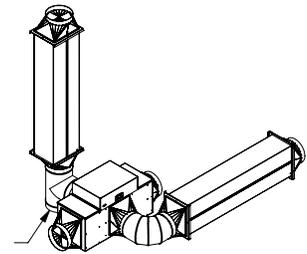
Type 2



Type 3



Type 4



Base tee with drain required for vertically mounted heat exchanger.

Type 5

For More Information Contact your Tempeff Advisor ☎ 1.204.783.1902 ✉ sales@tempeff.com www.tempeff.com

Project:	Remarks:
Location:	
Quantity:	
Submitted by:	
Date:	