



ERV RT-EC. Innovation – Efficiency – Reliability

Systemair's Energy Recovery Ventilators are designed for a wide variety of roof top applications

- **Energy Recovery Wheel**

The 8" thick aluminium wheel with desiccant coating is reinforced with spokes, welded at the hub and perimeter to prevent any uneven run out during normal operation

- **High energy efficiency product**

All ERV RT-EC units are recognized with the Green Ventilation symbol

- **Multiple speed**

ERV RT-EC units come with potentiometers to easily commission to the required airflows

- **High efficiency unit**

Total energy efficient wheel, low pressure drop, high performance EC motors result in low SFP*

- **Silent unit**

ERV RT-EC units are recommended for use in buildings with high requirements for sound levels

- **Easy service**

All components are designed to facilitate maintenance, which ensure a long reliable operation

- **Warranty**

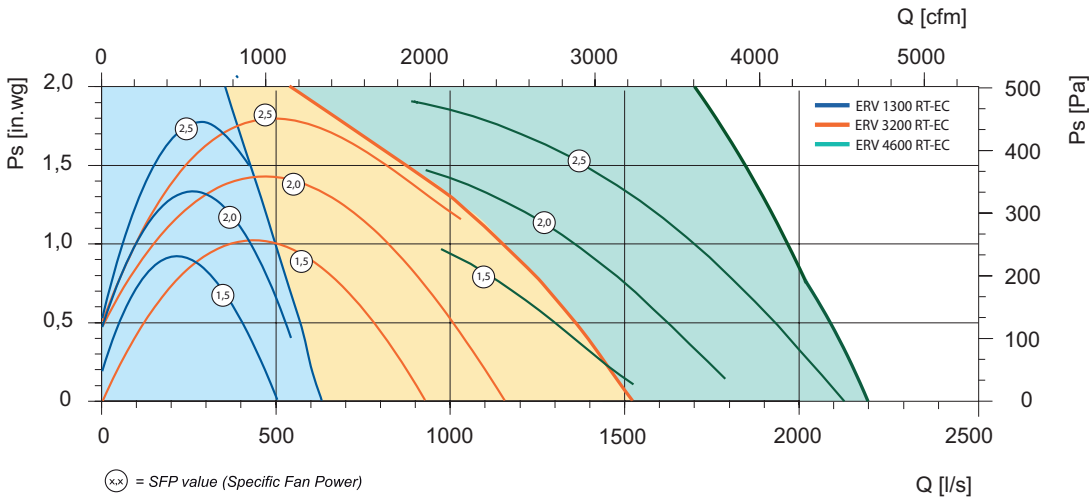
The ERV RT-EC is backed by a 3 year limited warranty



* SFP - Specific Fan Power (W/l/s), represents the power consumption of both blowers at a specific operating point



WORKING RANGE



SPECIFICATION DATA

		ERV 1300RT-EC	ERV 3200RT-EC	ERV 4600RT-EC
Voltage/Frequency	60Hz 240V		208-230/460V	208-230/460V
Phase	~ 1		3	3
Current	A 7.8		19.4/4.1	17.1/8.8
Power rating, motors	W 2x530		2x1800/2x1000	2x2700/2x2700
MCA	A 7.9		19.6/4.2	18.9/9.5
MOP	A 15		25/15	25/15
Operational temperature	°F (°C) -4...104 (-20...40)		-4...122 (-20...50)	-4...122 (-20...50)
Weight	lbs (kg) 500 (227)		1360 (617)	1400 (635)
Filter, supply/extract air	MERV 13/8		13/8	13/8

THERMAL EFFECTIVENESS

Ratings at 0" pressure differential	ERV 1300RT-EC			ERV 3200RT-EC			ERV 4600RT-EC		
	Sensible %	Latent %	Total %	Sensible %	Latent %	Total %	Sensible %	Latent %	Total %
100% Air flow heating	70	65	68	73	69	72	67	60	65
75% Air flow heating	76	73	75	78	75	77	72	67	71
100% Air flow cooling	70	63	66	73	68	70	67	57	61
75% Air flow cooling	76	73	74	78	76	76	72	66	69

Energy recovery component rated in accordance with AHRI Standard 1060-2005 and certified to AHRI. Actual performance in packaged equipment may vary.

DIMENSIONS

	A	B	C	D	E	F	G	H	I
ERV 1300RT-EC	69.5 (1764)	48.0 (1218)	50.3 (1278)	35.2 (895)	40.4 (1026)	7.0 (177)	7.3 (186)	23.5 (597)	24.9 (634)
ERV 3200RT-EC	94.9 (2410)	67.8 (1723)	67.7 (1719)	55.7 (1415)	61.7 (1568)	10.0 (254)	10.0 (254)	39.5 (1002)	44.6 (1134)
ERV 4600RT-EC	94.9 (2410)	67.8 (1723)	67.7 (1719)	55.7 (1415)	61.7 (1568)	10.0 (254)	10.0 (254)	39.5 (1002)	44.6 (1134)

