



ERV RT-EC Innovation – Efficiency – Reliability

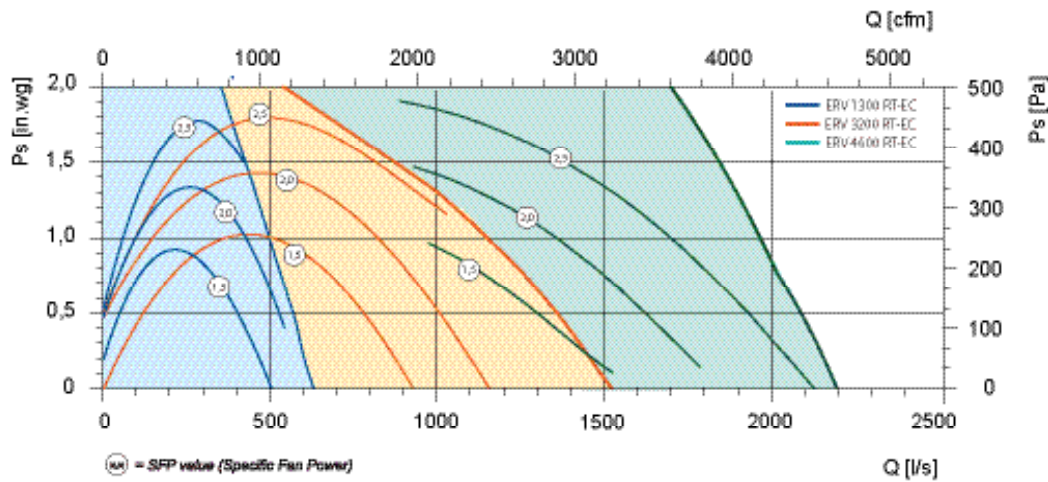
Energy Recovery Ventilators are designed at Systemair for a wide variety of Roof Top application

- **Made in Canada**
All ERV RT-EC units are made at our manufacturing plant in Bouctouche, NB, Canada
- **Silent unit**
ERV RT-EC units are recommended for use in buildings with high requirements for sound levels
- **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
- **Multiple speed**
The model is 100% controllable via contact 0 -10V, the motor is integrated with electronic protection
- **High efficiency unit**
Total energy efficient wheel, low pressure drop, high performance motors result in low SFP*
- **Easy service**
All components are designed to facilitate maintenance and thereby secure a long reliable operation
- **High energy efficiency product**
All ERV RT-EC are marked with this "Green Ventilation" symbol
- **Warranty**
The ERV is backed by a 3 year limited warranty, which covers defects in materials, workmanship and parts



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

Working range



Specifications data

		ERV 1300RT-EC	ERV 3200RT-EC	ERV 4600RT-EC
Voltage/Frequency	50/60Hz	240	208-240/460	208-240/460
Phase	~	1	3	3
Current	A	6.1	7.1/4.1	17.1/8.8
Power rating, motors	W	2x485	2x1000/2x1000	2x2700/2x2700
MCA	A	6.5	7.2/4.2	18.9/9.5
MOP	A	15	15/15	25/15
SFP (Specific Fan Power)	W/l/s	1.56	1.3	2.5
Operational temperature	°F (°C)	-4...104 (-20...40)	-4...122 (-20...50)	-4...122 (-20...50)
Weight	lbs (kg)	443 (201)	986 (447)	1028 (466)
Filter, supply/extract air	MERV	11/7	11/7	11/7

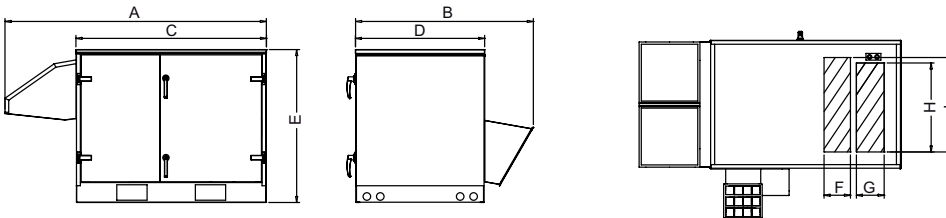
Thermal Effectiveness

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	73	70	72	76	72*	75	70	65	68
75% Air flow heating	78	76	77	80*	78*	79*	75	71	74
100% Air flow cooling	74	69	71	76*	73*	74*	70	63	66
75% Air flow cooling	78	76	77	80*	80*	80*	75	71	73

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

*) Following a rating indicates a voluntary rerate of previously published data, unless accompanied with a WAS which indicates an involuntary rerate. Units installed in colder climate zone must be equipped with a defrost control device.

Dimensions



	A	B	C	D	E	F	G	H	I	J
ERV 1300	70 (1763)	47 (1189)	50 (1271)	34 (859)	41 (1028)	7 (178)	7 1/4 (184)	23 1/2 (597)	24 3/4 (630)	24 1/4 (692)
ERV 3200	95 (2417)	67 (1695)	68 (1727)	54 (1336)	60 (1526)	10 (254)	10 (254)	39 1/2 (1003)	45 (1134)	38 (967)
ERV 4600	95 (2417)	67 (1695)	68 (1727)	54 (1336)	60 (1526)	10 (254)	10 (254)	39 1/2 (1003)	45 (1134)	38 (967)

Please visit our website www.systemair.net for more detailed technical information in the form of our online catalogue, computer software and PDF documents.