

## Performance

## Unit Tag: ERV1

## Summary

## Unit Details

Unit Tag:	ERV1	Orientation:	Vertical
Model:	C24IN - (2000 - 2700 CFM)	ESP SA / RA (inH <sub>2</sub> O):	0.75 / 0.75
Qty:	1	Filters OA / RA:	2" 85% MERV-13 / 2" 30% MERV-8
Location:	Indoor	Controls Preference:	Constant Volume
Altitude (ft):	0	Dampers & Actuator:	NA
Bypass:	No		

## Electrical Requirements

Total Number of Connections Required: 1

## Unit

Voltage:	208V/3ph/60Hz
Range:	200 - 240V
FLA:	17.53
MCA:	19.68
RFS:	25A

## Heat Exchanger

Design Conditions	Outdoor Air	Return Air
SCFM:	2000	2000
Summer DB (F) / WB (F) / RH (%):	95 / 78 / 47.3	75 / 63 / 51.2
Winter DB (F) / WB (F) / RH (%):	35 / 33 / 81.9	70 / 58 / 47.9

Performance Leaving Air	Supply Air	Exhaust Air
SCFM:	2000	2000
Summer DB (F) / WB (F) / RH (%):	81.5 / 70.3 / 57.7	88.5 / 72 / 45.2
Winter DB (F) / WB (F) / RH (%):	58.6 / 49.5 / 52	46.4 / 44.1 / 84

Performance	Summer	Winter
Supply Air PD (inH <sub>2</sub> O):	0.68	0.68
Exhaust Air PD (inH <sub>2</sub> O):	1.3	1.3
Sensible Effectiveness %:	67.5	67.5
Latent Effectiveness %:	48.1	48.1
Total Effectiveness %:	55.5	60.9
EATR %:	0.5	0.5
OACF:	1.00	1.00
Net Supply Airflow (SCFM):	2000	2000
Energy Recover Ratio %:	55.65	60.77
BTU/H Saved	64388	70301



This statement Certified in accordance with AHRI ERV Certification Program, which is based on AHRI Standard 1060. Certified units may be found in the AHRI Directory at [www.ahridirectory.org](http://www.ahridirectory.org)

