

Performance

Unit Tag: ERV1

Summary

Unit Details

Unit Tag:	ERV1	Orientation:	Vertical
Model:	C24IN - (2000 - 2700 CFM)	ESP SA / RA (inH2O):	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 (inH2O):	0.68	0.68
Exhaust Air PD (inH2O):	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

