

## Performance

## Unit Tag: ERU2

## Summary

## Unit Details

Unit Tag:	ERU2	Orientation:	Vertical
Model:	B22OU - (525 - 1300 CFM)	ESP SA / RA (inH2O):	0.75 / 0.75
Qty:	1	Filters OA / RA:	2" 85% MERV-13 / 2" 30% MERV-8
Location:	Outdoor	Controls Preference:	Constant Volume
Altitude (ft):	164	Dampers & Actuator:	In Casing - Field Mounted and Wired
Bypass:	No		

## Electrical Requirements

Total Number of Connections Required: 3

Unit	Preheat Electric Heater	Heating Electric Heater
Voltage: 240V/1ph/60Hz	Std. Coil: 1	Std. Coil: 2
Range: 216.0 - 252.0V	Controls: SCR	Controls: SCR
FLA: 8.09	Voltage: 208V/3ph/60Hz	Voltage: 208V/3ph/60Hz
MCA: 9.06	Range: 187.2 - 218.4V	Range: 187.2 - 218.4V
RFS: 15A	FLA: 19.46	FLA: 30.58
	MCA: 24.325	MCA: 38.225
	RFS: 25A	RFS: 40A
	Max KW: 7	Max KW: 11

## Preheat Electric Heater

Actual	
Outdoor Air (CFM):	1000
Voltage:	208V/3ph/60Hz
kW:	2.8
Ent. Air DB/WB (F):	-4.4 / -4.5
Lvg Air DB/WB (F):	3.6 / 2.3
Installation:	In Casing – Field Mounted and Wired
*Separate electrical connection required for heater	

## Heat Exchanger

Design Conditions	Outdoor Air	Return Air
SCFM:	1000	1000
Summer DB (F) / WB (F) / RH (%):	84.2 / 68.2 / 44.4	75 / 63 / 51.2
Winter DB (F) / WB (F) / RH (%):	3.6 / 2.3 / 63.1	70 / 54.3 / 35

Performance Leaving Air	Supply Air	Exhaust Air
SCFM:	1000	1000
Summer DB (F) / WB (F) / RH (%):	78.4 / 65.3 / 50	80.8 / 66 / 45.9
Winter DB (F) / WB (F) / RH (%):	45.7 / 37.7 / 45.7	27.9 / 27.7 / 98.6

Performance	Summer	Winter
Supply Air PD (inH2O):	0.37	0.37
Exhaust Air PD (inH2O):	0.81	0.81
Sensible Effectiveness %:	63.5	63.5
Latent Effectiveness %:	48.7	48.8
Total Effectiveness %:	57.1	59.9
EATR %:	0.5	0.5
OACF:	1.00	1.00
Net Supply Airflow (SCFM):	1000	1000
Energy Recover Ratio %:	57.15	59.75
BTU/H Saved	10197	56944



Summer performance: Certified in accordance with the 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).

Winter performance: Application rating is outside the scope of the AHRI ERV Certification Program but is rated in accordance with AHRI Standard 1060.

## Heating Electric Heater

Electric Heater	
Outdoor Air (CFM):	1000
Voltage:	208V/3ph/60Hz
kW:	8.3
Entering Temp (F):	45.7
Leaving Temp (F):	72
Installation:	In Casing – Field Mounted and Wired
*Separate electrical connection required for heater	

