

Performance

Unit Tag: WELCOME

Summary

Unit Details

Unit Tag:	WELCOME	Orientation:	Vertical
Model:	A18OU - (325 - 775 CFM)	ESP SA / RA (inH ₂ O):	2 / 2
Qty:	1	Filters OA / RA:	2" 85% MERV-13 / 2" 30% MERV-8
Location:	Outdoor	Controls Preference:	Variable Air Volume - Pressure
Altitude (ft):	0	Dampers & Actuator:	No Casing - Field Mounted and Wired
Bypass:	No		

Electrical Requirements

Total Number of Connections Required: 2

Unit	Preheat Electric Heater
Voltage: 208V/1ph/60Hz	Std. Coil: 1
Range: 207 - 253V	Controls: SCR
FLA: 5.29	Voltage: 208V/3ph/60Hz
MCA: 5.91	Range: 187.2 - 218.4V
RFS: 15A	FLA: 11.12
	MCA: 13.9
	RFS: 15A
	Max KW: 4

Preheat Electric Heater

Actual	
Outdoor Air (CFM):	456
Voltage:	208V/3ph/60Hz
kW:	0.2
Ent. Air DB/WB (F):	35 / 33
Lvg Air DB/WB (F):	36 / 33.6
Installation:	In Casing – Field Mounted and Wired
*Separate electrical connection required for heater	

Heat Exchanger

Design Conditions	Outdoor Air	Return Air
SCFM:	456	456
Summer DB (F) / WB (F) / RH (%):	95 / 78 / 47.3	75 / 63 / 51.2
Winter DB (F) / WB (F) / RH (%):	36 / 33.6 / 78.7	70 / 58 / 47.9

Performance Leaving Air	Supply Air	Exhaust Air
SCFM:	456	456
Summer DB (F) / WB (F) / RH (%):	81 / 69.5 / 56.9	89 / 72.6 / 45.8
Winter DB (F) / WB (F) / RH (%):	59.9 / 50.5 / 51.9	46.1 / 43.4 / 81.2

Performance	Summer	Winter
Supply Air PD (inH2O):	0.32	0.32
Exhaust Air PD (inH2O):	0.7	0.7
Sensible Effectiveness %:	70.2	70.2
Latent Effectiveness %:	54.1	54.0
Total Effectiveness %:	60.3	64.6
EATR %:	0.5	0.5
OACF:	1.00	1.00
Net Supply Airflow (SCFM):	456	456
Energy Recover Ratio %:	60.37	64.47
BTU/H Saved	15927	16685



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

