

## Performance

Unit Tag: WELCOME

## Summary

## Unit Details

|                |                         |                                   |                                |
|----------------|-------------------------|-----------------------------------|--------------------------------|
| Unit Tag:      | WELCOME                 | Orientation:                      | Horizontal                     |
| Model:         | A16IN - (325 - 775 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: 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):                                  | 325                                 |
| Voltage:  | 208V/3ph/60Hz                       |
| kW:   | 0.1                                 |
| 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:                            | 325              | 325            |
| 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 / 52.9 / 30 |

| Performance Leaving Air          | Supply Air         | Exhaust Air        |
|----------------------------------|--------------------|--------------------|
| SCFM:                            | 325                | 325                |
| Summer DB (F) / WB (F) / RH (%): | 80 / 68.7 / 56.5   | 90 / 73.4 / 46     |
| Winter DB (F) / WB (F) / RH (%): | 61.4 / 48.3 / 36.2 | 44.6 / 39.5 / 63.5 |

| Performance                | Summer | Winter |
|----------------------------|--------|--------|
| Supply Air PD (inH2O):     | 0.24   | 0.24   |
| Exhaust Air PD (inH2O):    | 0.51   | 0.51   |
| Sensible Effectiveness %:  | 74.8   | 74.8   |
| Latent Effectiveness %:    | 60.3   | 60.3   |
| Total Effectiveness %:     | 65.9   | 72.9   |
| EATR %:                    | 0.5    | 0.5    |
| OACF:                      | 1.00   | 1.00   |
| Net Supply Airflow (SCFM): | 325    | 325    |
| Energy Recover Ratio %:    | 65.97  | 72.83  |
| BTU/H Saved                | 12405  | 10061  |



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)

