



## SUBMITTAL DATA SHEET

|               |  |                 |                |
|---------------|--|-----------------|----------------|
| Job Name:     |  | Contractor:     |                |
| Location:     |  | Distributor:    |                |
| Engineer:     |  | Date:           |                |
| Submitted To: |  | Model No:       | <b>ES90HVP</b> |
| Schedule ID:  |  | No. of Outlets: |                |

| <b>Ecosmart Air Specifications</b> | <b>ES90HVP</b> |
|------------------------------------|----------------|
| BTUH Heating @ 180°F E.W.T         | 86,559         |
| BTUH Heating @ 170°F E.W.T         | 78,598         |
| BTUH Heating @ 160°F E.W.T         | 70,643         |
| BTUH Heating @ 150°F E.W.T         | 62,695         |
| BTUH Heating @ 140°F E.W.T         | 54,767         |
| BTUH Heating @ 130°F E.W.T         | 46,852         |
| Piping Connections Copper (in)     | 3/4            |
| DX Cooling Capacity (tons)         | 2 - 2.5        |
| CFM @ 1.5" E.S.P.                  | 830            |
| Supply Voltage                     | 120/1/60       |
| GPM Flow Rating                    | 7              |
| Cabinet Size W x D x H (in)        | 21 x 21 x 29   |
| Supply Air Opening D (in)          | 8              |
| Side Return Air Opening W x H (in) | 18.3 x 14.3    |
| Recommended Filter Size H x D (in) | 16 x 20        |
| Shipping Weight (lb)               | 95             |
| Shipping Dimensions W x D x H (in) | 22 x 24 x 30.5 |
| Minimum No. Outlets *              | 15             |
| Maximum No. Outlets *              | 21             |
| HP (fan)                           | 3/4            |
| FLA (amps)                         | 10.8           |
| MCA (amps)                         | 13             |
| MOP (amps)                         | 20             |

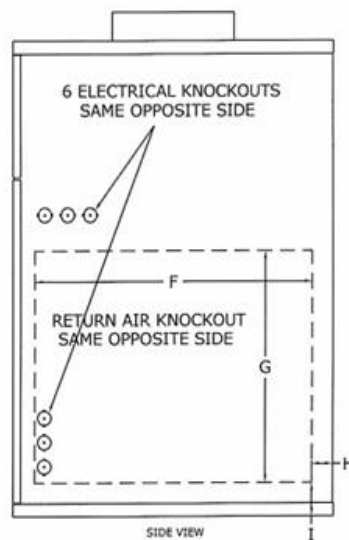
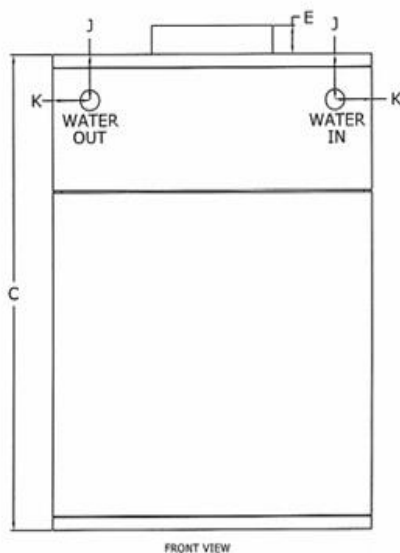
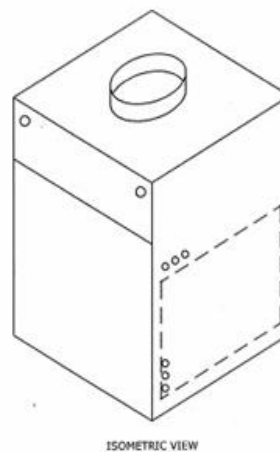
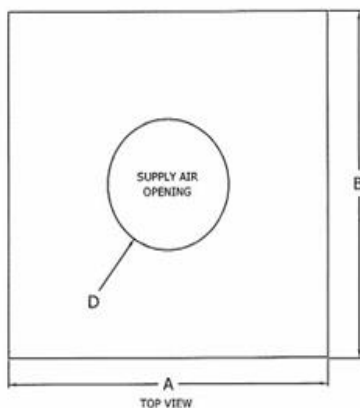
\* The minimum and maximum number of ducts can be adjusted based on the design airflow per duct. The median number of ducts results in an airflow of approximately 40cfm from each diffuser. Diffuser cfm can be raised or lowered depending on the design conditions. The unit has eight independent heating and cooling settings.

### Features

High Efficiency Air Handler with Constant Pressure Technology (CPT), 3 Stage or Single Stage Heating, Single or 2 Stage Cooling, Multi Position Installation, Hydronic Heating and DX cooling Applications, Constant Torque ECM, Independent Heating and Cooling CFM Adjustment, Low Continuous Fan, DHW Priority Option, Dry Contacts and Switched 24V, Easy installation and Servicing, Bottom or Side Return, Compact Size, Front or Rear Piping Connections, Comprehensive Warranty.



| PHYSICAL DATA - INCHES |                    |    |    |                |     |             |      |     |   |                 |     |
|------------------------|--------------------|----|----|----------------|-----|-------------|------|-----|---|-----------------|-----|
| Model                  | Overall Dimensions |    |    | Supply Opening |     | Side Return |      |     |   | Piping Location |     |
|                        | W x D x H          |    |    | W x D          |     |             |      |     |   |                 |     |
|                        | A                  | B  | C  | D              | E   | F           | G    | H   | I | J               | K   |
| ES50HVP                | 14                 | 21 | 29 | 8              | 1.8 | 18.3        | 14.3 | 1.4 | 2 | 2.8             | 2.4 |
| ES90HVP                | 21                 | 21 | 29 | 8              | 1.8 | 18.3        | 14.3 | 1.4 | 2 | 2.8             | 2.4 |
| ES100HVP               | 21                 | 21 | 29 | 10             | 1.8 | 18.3        | 14.3 | 1.4 | 2 | 2.8             | 2.4 |



**ES50 Bottom Return Opening Knock Out 12" x 18"**  
**ES90 Bottom Return Opening Knock Out 19" x 18"**  
**ES100 Bottom Return Opening Knock Out 19" x 18"**