

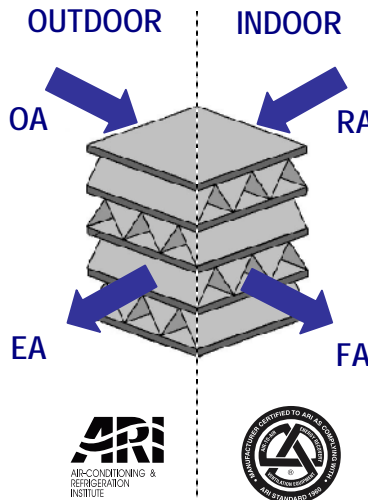
EV450IN Indoor Unit

Submittal Data

| | | |
|--------------------------|---------------|-------------------|
| Job Name: | | |
| Job Location: | | |
| Job Reference Number: | | |
| Unit Reference Number: | | |
| Engineer: | | |
| Distributor: | | |
| Contractor: | | |
| For Reference: | For Approval: | For Construction: |
| Requested Delivery Date: | | |
| Submitted by: | Date: | |
| Address: | | |
| | | |
| | | |
| Tel: | Fax: | |



| Winter | Summer | Units |
|--------|--------|-----------------|
| | | DB °F |
| | | WB °F |
| | | RH % |
| | | Enthalpy BTU/Lb |



| Winter | Summer | Units |
|--------|--------|-----------------|
| | | Airflow CFM |
| | | DB °F |
| | | WB °F |
| | | RH % |
| | | Enthalpy BTU/Lb |

| Design Ventilation Load | | |
|-------------------------|--------------|--------------------------|
| Winter | Summer | BTU/Hr |
| | BTUs Tons | Without RenewAire |
| | BTUs Tons | With RenewAire |
| | BTUs Tons | Renewaire Savings |

| Winter | Summer | Units |
|--------|--------|-----------------|
| | | Airflow CFM |
| | | DB °F |
| | | WB °F |
| | | RH % |
| | | Enthalpy BTU/Lb |

| ARI-1060 Certified Performance - Model Number L85 | | | | | | | | | | | | | |
|---------------------------------------------------|-------------------------|------------|------|------------------------|-----------------------------------------------------------|--------------------|------------|------------|------------------------------------------------------|------------|--------------|------------|------------|
| Type | | Tilt Angle | | | Nominal Aiflow | | | | Pressure Drop | | | | |
| Plate | | N/A | | | 100% - 450 SCFM 75% - 338 SCFM | | | | 0.6 in. H ₂ O 0.5 in. H ₂ O | | | | |
| Leakage Ratings | | | | | Thermal Effectiveness Ratings at 0" Pressure Differential | | | | | | | | |
| | Pressure Differential | EATR | OACF | Purge Angle or Setting | Nominal Aiflow | | Sensible | Latent | Total | Net Aiflow | Net Sensible | Net Latent | Net Total |
| Test 1 | -1 in. H ₂ O | 1.5% | 1.0 | N/A | 450 CFM | Heating Cooling | 72% 76% | 47% 28% | 64% 44% | 450 CFM | 72% 71% | 47% 28% | 64% 44% |
| Test 2 | 0 in. H ₂ O | 0.0% | 1.02 | N/A | 338 CFM | Heating Cooling | 71% 75% | 53% 34% | 68% 50% | 338 CFM | 76% 75% | 53% 34% | 68% 50% |
| Test 3 | 1 in. H ₂ O | 0.0% | 1.05 | N/A | | | | | | | | | |

NOTE: SCFM = Standard Cubic Feet per Minute OACF = Outdoor Air Correction Factor EATR = Exhaust Air Transfer Ratio N/A = Not Applicable

Energy recovery component certified in accordance with ARI standard 1060-2000. Actual performance in packaged equipment may vary.

EV450IN



Indoor Unit



G4 Performance

| Airflow CFM | ESP in H ₂ O | Watts | | Temp EFF% | Total EFF% Winter/Summer* |
|----------------|----------------------------|-------|-----|--------------|------------------------------|
| | | 1P | 3P | | |
| 225 | 1.25 | 335 | 181 | 81 | 73/61 |
| 338 | 1.00 | 420 | 278 | 77 | 69/56 |
| 380 | 0.90 | 470 | 340 | 76 | 68/54 |
| 450 | 0.65 | 550 | 430 | 73 | 65/50 |
| 540 | 0.25 | 640 | 540 | 70 | 62/46 |
| 575 | 0.00 | 690 | 610 | 69 | 61/45 |
| 600 | -0.25 | 735 | 664 | 68 | 60/43 |

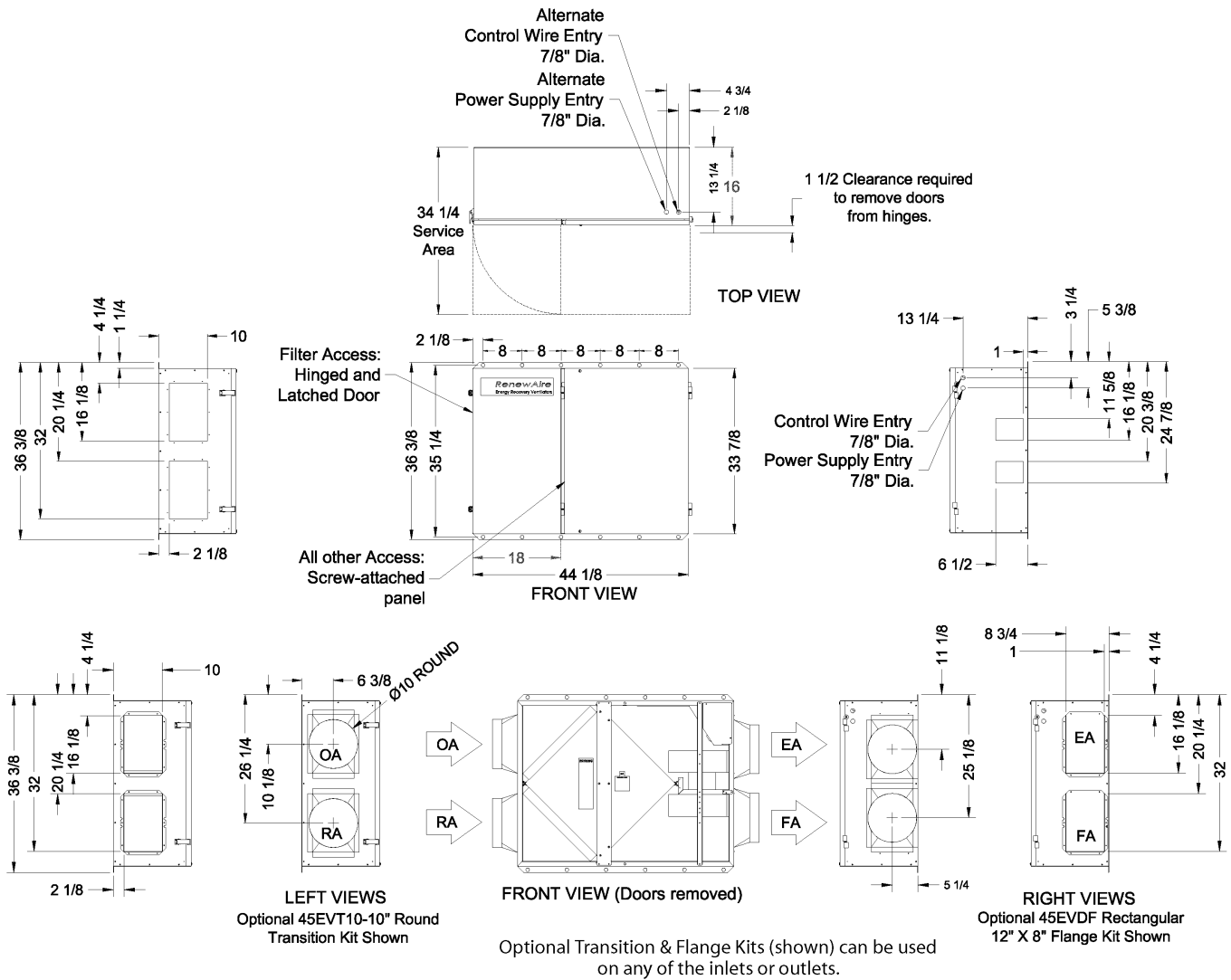
*At ARI 1060 standard conditions
(See certified data on page 66 for core components.)

Specifications

| Ventilation Type: Static Plate, Heat and Humidity Transfer | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|---------|
| Typical Airflow Range: 200-500 CFM | | | |
| ARI 1060 Certified Core: One L85 | | | |
| Airflow Rating Points (for ARI): 450 CFM and 338 CFM | | | |
| Motors: One, 0.6 hp (Single Phase) One, 0.5hp (Three Phase) | | | |
| Field Selectable Voltage | | | |
| V | HZ | Phase | FLA |
| 115 | 60 | Single | 7.0 |
| 208-230 | 60 | Single | 3.5 |
| 277 | 60 | Single | 2.4 |
| 208-230 | 60 | Three | 1.7-1.5 |
| 460 | 60 | Three | 0.8 |
| Control Voltage: 24 VAC | | | |
| Filters: Two total, MERV 8, 2" pleated, 14" x 20" nominal size | | | |
| Weight: 141 lbs (unit), 160 lbs (in carton), up to 3 units on 50 lb pallet | | | |
| Shipping Dimensions: 37 1/2" W x 48" L x 17" H | | | |
| Options: 45EVHB - Hanging Bracket, Foot Kit 45EVDF - Rectangular 12" x 8" Flange Kit (2 in kit) 45EVT10 - 10" Round Transition Kit (2 in kit) | | | |

EV450IN UNIT DIMENSIONS

EA: Exhaust Air to outdoors
 OA: Outdoor Air intake
 RA: Room Air to be exhausted
 FA: Fresh Air to inside



Model Configuration EV450KIN...

| Wall | Phase | Voltage | Contactor | Disconnect | Transformer | Filter Monitor | Other | UL |
|------------|-------|-----------------|------------|--------------|------------------|----------------|-----------------|---------------|
| S (single) | 1 | 1 (115) | A (24 VAC) | – (none) | – (none) | – (none) | – (none) | L (UL listed) |
| D (double) | 3 | 4 (460) | | N (nonfused) | T (TR40) | | W (white paint) | |
| | | 5 (208-230) | | F (fused) | C (custom paint) | | | |
| | | 6 (115/208-230) | | | | | | |
| | | 7 (208-230/460) | | | | | | |
| | | 9 (277) | | | | | | |