

## **FEATURES**

- Over 50 years of unit expertise and design
- Self-contained Heating and Cooling Packaged Unit
  - No need for outdoor units, line sets, or separate venting
  - Pre-wired and pre-charged

## **REFRIGERANT SYSTEM**

- High-efficiency compressor standard on all models
- EWC\*\*-7-11-30P includes a two-stage high-efficiency compressor
- Copper tubing with enhanced aluminum fin coils
- Slide-out Cooling chassis for ease of service
- Anti-microbial evaporative drain pan

## **BLOWER**

- Multi-speed blower motor for diverse airflow range
- Resilient motor mounts for smooth and quiet operation
- Internal washable filter is standard

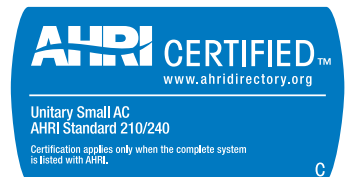
## **CONTROLS**

- Conventional 24V thermostat
  - One Stage Cool/Heat required up to 2 tons
  - Two Stage Cool/One Stage Heat for 2.5-ton model
- Color-coded wiring for ease of installation and service
- Diagnostic LED
- Easily accessible control box
- Optimal field installed refrigerant detection system

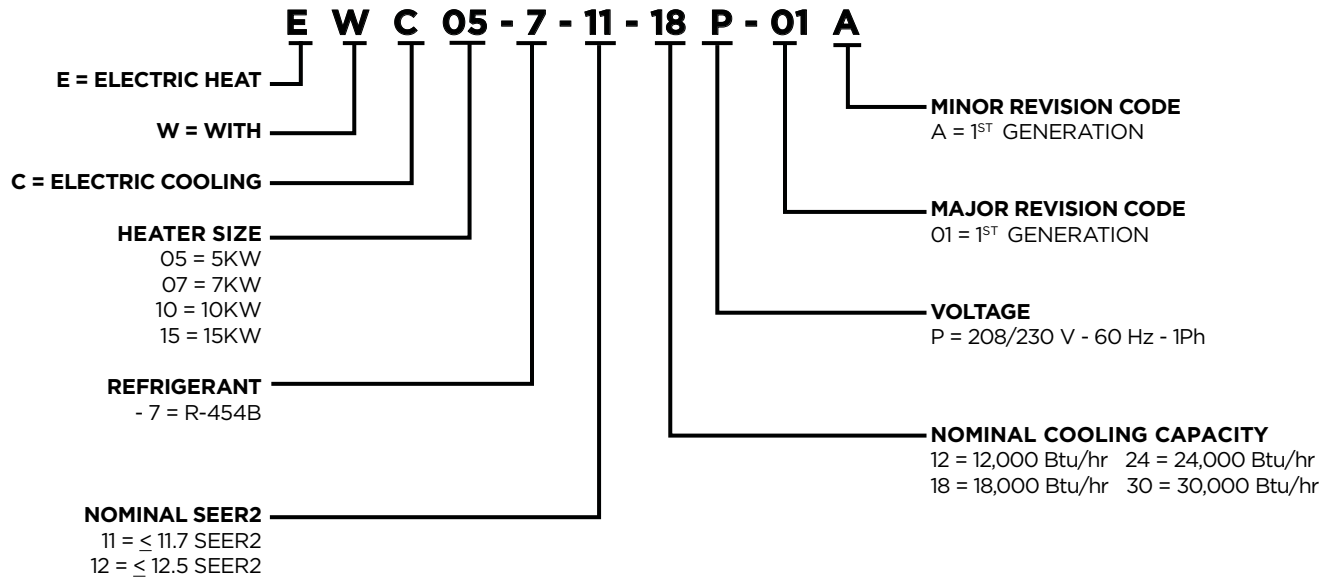
## **WARRANTY**

- Five (5) Year Limited Parts Warranty

## **EWC MODEL UNITS ELECTRIC HEATING / ELECTRIC COOLING PACKAGED UNITS**



## MODEL NUMBER GUIDE



## ELECTRICAL AND PHYSICAL DATA

| Model              | Voltage/Hz/Phase | Voltage Range | MCA <sup>1</sup> |      |      |      | MOCP <sup>2</sup>  |      |      |      | Compressor      |                    | Outside Fan |             |                |      | Indoor Blower     |                |    | R454B Charge | Approx. Weight (lbs.) |      |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |
|--------------------|------------------|---------------|------------------|------|------|------|--------------------|------|------|------|-----------------|--------------------|-------------|-------------|----------------|------|-------------------|----------------|----|--------------|-----------------------|------|--------------------|------|------|------|--------------------|------|--------------------|------|------|------|------|------|------|
|                    |                  |               | CKT1             |      | CKT2 |      | CKT1               |      | CKT2 |      | Rated Load Amps | Locked Rotor Amps  | Dia         | Nominal RPM | Full Load Amps | HP   | Wheel Dia x Width | Full Load Amps | HP |              |                       |      |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |
|                    |                  |               | 208V             | 240V | 208V | 240V | 208V               | 240V | 208V | 240V |                 |                    |             |             |                |      |                   |                |    |              |                       |      |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |
| EWC05-7-11-12P-01A | 208-230/60/1     | 197-253       | 23.3             | 26.6 | N/A  | N/A  | 25                 | 30   | N/A  | N/A  | 4.9             | 26.4               | 18.0        | 1075        | 0.9            | 1/8  | 10 x 4.375        | 4.1            | 36 | 284          |                       |      |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |
| EWC07-7-11-12P-01A |                  |               | 34.1             | 39.1 |      |      | 35                 | 40   |      |      |                 |                    |             | 1100        | 2.8            | 1/3  |                   | 3.7            |    |              |                       |      |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |
| EWC05-7-12-12P-01A |                  |               | 23.3             | 26.6 |      |      | 25                 | 30   |      |      | 6.3             | 32.7               |             | 1075        | 1.4            | 1/4  |                   | 4.1            |    |              | 53                    | 311  |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |
| EWC07-7-12-12P-01A |                  |               | 34.1             | 39.1 |      |      | 35                 | 40   |      |      |                 |                    |             |             |                |      |                   |                |    |              |                       |      | 1100               | 2.8  | 1/3  | 3.7  |                    |      |                    |      |      |      |      |      |      |
| EWC05-7-11-18P-01A |                  |               | 25.0             | 28.4 |      |      | 30                 | 30   |      |      |                 |                    |             |             |                |      |                   |                |    |              |                       |      |                    |      |      |      | EWC10-7-11-18P-01A | 46.7 | 53.4               | 50   | 60   | 12.7 | 64.4 | 1100 | 2.8  |
| EWC07-7-11-18P-01A |                  |               | 35.9             | 40.9 |      |      | 40                 | 45   |      |      |                 |                    |             |             |                |      |                   |                |    |              |                       |      | EWC05-7-12-18P-01A | 25.0 | 28.4 | 30   |                    |      |                    |      |      |      |      |      |      |
| EWC10-7-11-18P-01A |                  |               | 46.7             | 53.4 | 50   | 60   | EWC05-7-12-18P-01A | 25.0 | 28.4 | 30   | 30              | EWC07-7-12-18P-01A | 35.9        | 40.9        | 40             | 45   |                   | 50             | 60 | 16.2         | 82.0                  | 50   |                    |      |      |      | 339                |      |                    |      |      |      |      |      |      |
| EWC05-7-12-18P-01A |                  |               | 25.0             | 28.4 | 30   | 30   |                    |      |      |      |                 |                    |             |             |                |      |                   |                |    |              |                       |      | EWC10-7-12-18P-01A | 46.7 | 53.4 | 50   |                    | 60   | EWC10-7-11-24P-01A | 46.7 | 53.4 | 50   | 60   | 12.7 | 64.4 |
| EWC07-7-12-18P-01A |                  |               | 35.9             | 40.9 | 40   | 45   | EWC10-7-12-18P-01A | 46.7 | 53.4 | 50   | 60              | EWC15-7-11-24P-01A | 25.0        | 28.4        | 43.3           | 50.0 |                   | 30             | 30 | 45           | 50                    | 16.2 |                    |      |      |      | 82.0               |      |                    |      |      |      |      |      |      |
| EWC10-7-12-18P-01A |                  |               | 46.7             | 53.4 | 50   | 60   |                    |      |      |      |                 |                    |             |             |                |      |                   |                |    |              |                       |      | EWC15-7-11-24P-01A | 25.0 | 28.4 | 43.3 |                    | 50.0 | 30                 | 30   | 45   | 50   | 16.2 | 82.0 | 50   |
| EWC15-7-11-24P-01A |                  |               | 25.0             | 28.4 | 43.3 | 50.0 | 30                 | 30   | 45   | 50   | 16.2            | 82.0               | 50          | 339         |                |      |                   |                |    |              |                       |      |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |
| EWC10-7-11-30P-01A |                  |               | 47.8             | 54.5 | N/A  | N/A  | 50                 | 60   | N/A  | N/A  | 16.2            | 82.0               | 50          | 339         |                |      |                   |                |    |              |                       |      |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |
| EWC15-7-11-30P-01A |                  |               | 26.2             | 29.5 | 43.3 | 50.0 | 30                 | 30   | 45   | 50   | 16.2            | 82.0               | 50          | 339         |                |      |                   |                |    |              |                       |      |                    |      |      |      |                    |      |                    |      |      |      |      |      |      |

1 MCA = Minimum Circuit Ampacity

2 MOCP = Maximum Over Current Protection

## PERFORMANCE

| Model              | Cooling |       |      | Heating |        |       |        |
|--------------------|---------|-------|------|---------|--------|-------|--------|
|                    | Btuh    | SEER2 | S/T  | 240V    |        | 208V  |        |
|                    |         |       |      | kW/Hr   | Btu/Hr | kW/Hr | Btu/Hr |
| EWC05-7-11-12P-01A | 12,000  | 11.7  | 0.75 | 4.8     | 16,300 | 3.6   | 12,300 |
| EWC07-7-11-12P-01A |         |       |      | 7.2     | 24,600 | 5.4   | 18,400 |
| EWC05-7-12-12P-01A |         | 12.5  | 0.75 | 4.8     | 16,300 | 3.6   | 12,300 |
| EWC07-7-12-12P-01A |         |       |      | 7.2     | 24,600 | 5.4   | 18,400 |
| EWC05-7-11-18P-01A | 17,000  | 11.7  | 0.78 | 4.8     | 16,300 | 3.6   | 12,300 |
| EWC07-7-11-18P-01A |         |       |      | 7.2     | 24,600 | 5.4   | 18,400 |
| EWC10-7-11-18P-01A |         |       |      | 9.6     | 32,700 | 7.2   | 24,600 |
| EWC05-7-12-18P-01A | 16,800  | 12.4  | 0.77 | 4.8     | 16,300 | 3.6   | 12,300 |
| EWC07-7-12-18P-01A |         |       |      | 7.2     | 24,600 | 5.4   | 18,400 |
| EWC10-7-12-18P-01A |         |       |      | 9.6     | 32,700 | 7.2   | 24,600 |
| EWC10-7-11-24P-01A | 22,200  | 11.7  | 0.73 | 9.6     | 32,700 | 7.2   | 24,600 |
| EWC15-7-11-24P-01A |         |       |      | 14.4    | 49,100 | 10.8  | 36,900 |
| EWC10-7-11-30P-01A | 26,800  | 11.7  | 0.73 | 9.6     | 32,700 | 7.2   | 24,600 |
| EWC15-7-11-30P-01A |         |       |      | 14.4    | 49,100 | 10.8  | 36,900 |

## FACTORY FILTER SIZE (IN.) AND PRESSURE DROP (IN. W.C.)

| Model   | Filter Size | Supply Airflow (CFM) |      |      |      |      |      |      |      |
|---------|-------------|----------------------|------|------|------|------|------|------|------|
|         |             | 300                  | 400  | 500  | 600  | 700  | 800  | 900  | 1000 |
| All EWC | 16.5 x 25   | 0.01                 | 0.01 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 |

Performance based on factory-provided washable filter installed in the unit. If a higher resistance filter is installed in the unit, the added resistance must be included in the external static pressure and must not exceed 0.5 in. w.c. including ductwork.

## ACCESSORIES

| Description                                              | Kit #   | Where Used |
|----------------------------------------------------------|---------|------------|
| Wall Sleeve                                              | CA239   | All EWCs   |
| Decorative External Louver Clear Anodized Aluminum       | ALVR42  |            |
| Decorative External Louver Painted Aluminum              | ALVR42P |            |
| Refrigerant Detection System (RDS) MagicPak V-Series Kit | ARDSKTV |            |

## BLOWER PERFORMANCE

| SUPPLY AIRFLOW PERFORMANCE (SCFM) AS A FUNCTION OF EXTERNAL STATIC PRESSURE |                           |                  |           |           |           |           |           |
|-----------------------------------------------------------------------------|---------------------------|------------------|-----------|-----------|-----------|-----------|-----------|
| Model                                                                       | Indoor Blower Speed       | Unit Voltage (V) | 0.1" w.c. | 0.2" w.c. | 0.3" w.c. | 0.4" w.c. | 0.5" w.c. |
| EWC05-7-11-12P<br>EWC05-7-12-12P                                            | TAP 1 (COOL) <sup>†</sup> | 208 OR 230       | 480       | 460       | 440       | 415       | 390       |
|                                                                             | TAP 2 (COOL)              | 208 OR 230       | 530       | 505       | 485       | 460       | 430       |
|                                                                             | TAP 3 (HEAT)*             | 208 OR 230       | 615       | 590       | 570       | 545       | 525       |
|                                                                             | TAP 4 (HEAT)              | 208 OR 230       | 655       | 630       | 610       | 590       | 570       |
|                                                                             | TAP 5 (HEAT)              | 208 OR 230       | 795       | 780       | 760       | 745       | 725       |
| EWC07-7-11-12P<br>EWC07-7-12-12P                                            | TAP 1 (COOL) <sup>†</sup> | 208 OR 230       | 480       | 460       | 440       | 415       | 390       |
|                                                                             | TAP 2 (COOL)              | 208 OR 230       | 530       | 505       | 485       | 460       | 430       |
|                                                                             | TAP 3 (HEAT)              | 208 OR 230       | 615       | 590       | 570       | 545       | 525       |
|                                                                             | TAP 4 (HEAT)*             | 208 OR 230       | 655       | 630       | 610       | 590       | 570       |
|                                                                             | TAP 5 (HEAT)              | 208 OR 230       | 798       | 780       | 760       | 745       | 725       |
| EWC05-7-11-18P<br>EWC07-7-11-18P<br>EWC05-7-12-18P<br>EWC07-7-12-18P        | TAP 1 (COOL) <sup>†</sup> | 208 OR 230       | 635       | 610       | 600       | 570       | 550       |
|                                                                             | TAP 2 (COOL)              | 208 OR 230       | 670       | 645       | 625       | 605       | 585       |
|                                                                             | TAP 3 (HEAT)              | 208 OR 230       | 805       | 785       | 770       | 750       | 730       |
|                                                                             | TAP 4 (HEAT)*             | 208 OR 230       | 825       | 805       | 785       | 770       | 750       |
|                                                                             | TAP 5 (HEAT)              | 208 OR 230       | 910       | 890       | 875       | 860       | 845       |
| EWC10-7-11-18P<br>EWC10-7-12-18P                                            | TAP 1 (COOL) <sup>†</sup> | 208 OR 230       | 635       | 610       | 600       | 570       | 550       |
|                                                                             | TAP 2 (COOL)              | 208 OR 230       | 670       | 645       | 625       | 605       | 585       |
|                                                                             | TAP 3 (HEAT)              | 208 OR 230       | 805       | 785       | 770       | 750       | 730       |
|                                                                             | TAP 4 (HEAT)              | 208 OR 230       | 825       | 805       | 785       | 770       | 750       |
|                                                                             | TAP 5 (HEAT)*             | 208 OR 230       | 910       | 890       | 875       | 860       | 845       |
| EWC10-7-11-24P                                                              | TAP 1 (COOL) <sup>†</sup> | 208 OR 230       | 770       | 750       | 730       | 710       | 690       |
|                                                                             | TAP 2 (COOL)              | 208 OR 230       | 820       | 790       | 770       | 750       | 730       |
|                                                                             | TAP 3 (HEAT)              | 208 OR 230       | 805       | 785       | 770       | 750       | 730       |
|                                                                             | TAP 4 (HEAT)              | 208 OR 230       | 825       | 805       | 785       | 770       | 750       |
|                                                                             | TAP 5 (HEAT)*             | 208 OR 230       | 910       | 890       | 875       | 860       | 845       |
| EWC15-7-11-24P                                                              | TAP 1 (COOL) <sup>†</sup> | 208 OR 230       | 770       | 750       | 730       | 710       | 690       |
|                                                                             | TAP 2 (COOL)              | 208 OR 230       | 820       | 790       | 770       | 750       | 730       |
|                                                                             | TAP 3 (HEAT)              | 208 OR 230       | 805       | 785       | 770       | 750       | 730       |
|                                                                             | TAP 4 (HEAT)              | 208 OR 230       | 825       | 805       | 785       | 770       | 750       |
|                                                                             | TAP 5 (HEAT)*             | 208 OR 230       | 910       | 890       | 875       | 860       | 845       |
| EWC10-7-11-30P                                                              | TAP 1 (COOL) <sup>†</sup> | 208 OR 230       | 530       | 510       | 490       | 465       | 440       |
|                                                                             | TAP 2 (COOL)              | 208 OR 230       | 570       | 545       | 530       | 505       | 480       |
|                                                                             | TAP 3 (COOL) <sup>†</sup> | 208 OR 230       | 950       | 920       | 900       | 885       | 865       |
|                                                                             | TAP 4 (HEAT)              | 208 OR 230       | 825       | 805       | 785       | 770       | 750       |
|                                                                             | TAP 5 (HEAT)*             | 208 OR 230       | 910       | 890       | 875       | 860       | 845       |
| EWC15-7-11-30P                                                              | TAP 1 (COOL) <sup>†</sup> | 208 OR 230       | 530       | 510       | 490       | 465       | 440       |
|                                                                             | TAP 2 (COOL)              | 208 OR 230       | 570       | 545       | 530       | 505       | 480       |
|                                                                             | TAP 3 (COOL) <sup>†</sup> | 208 OR 230       | 950       | 920       | 900       | 885       | 865       |
|                                                                             | TAP 4 (HEAT)              | 208 OR 230       | 825       | 805       | 785       | 770       | 750       |
|                                                                             | TAP 5 (HEAT)*             | 208 OR 230       | 910       | 890       | 875       | 860       | 845       |

NOTE: EWC\*\*30 models shipped with Low and High stage Cooling taps connected for use of the two-stage system.

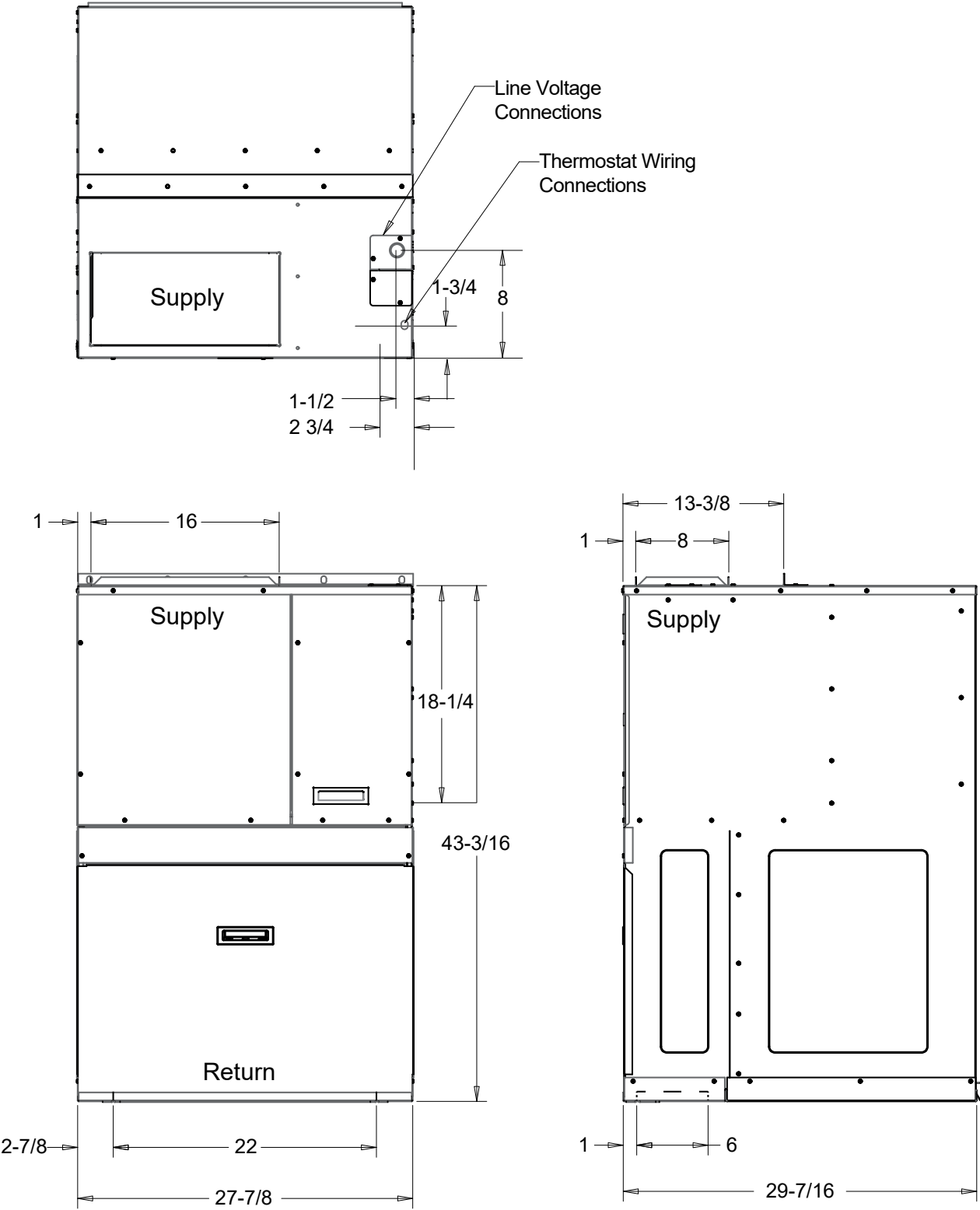
\* As shipped speed for Heating operation

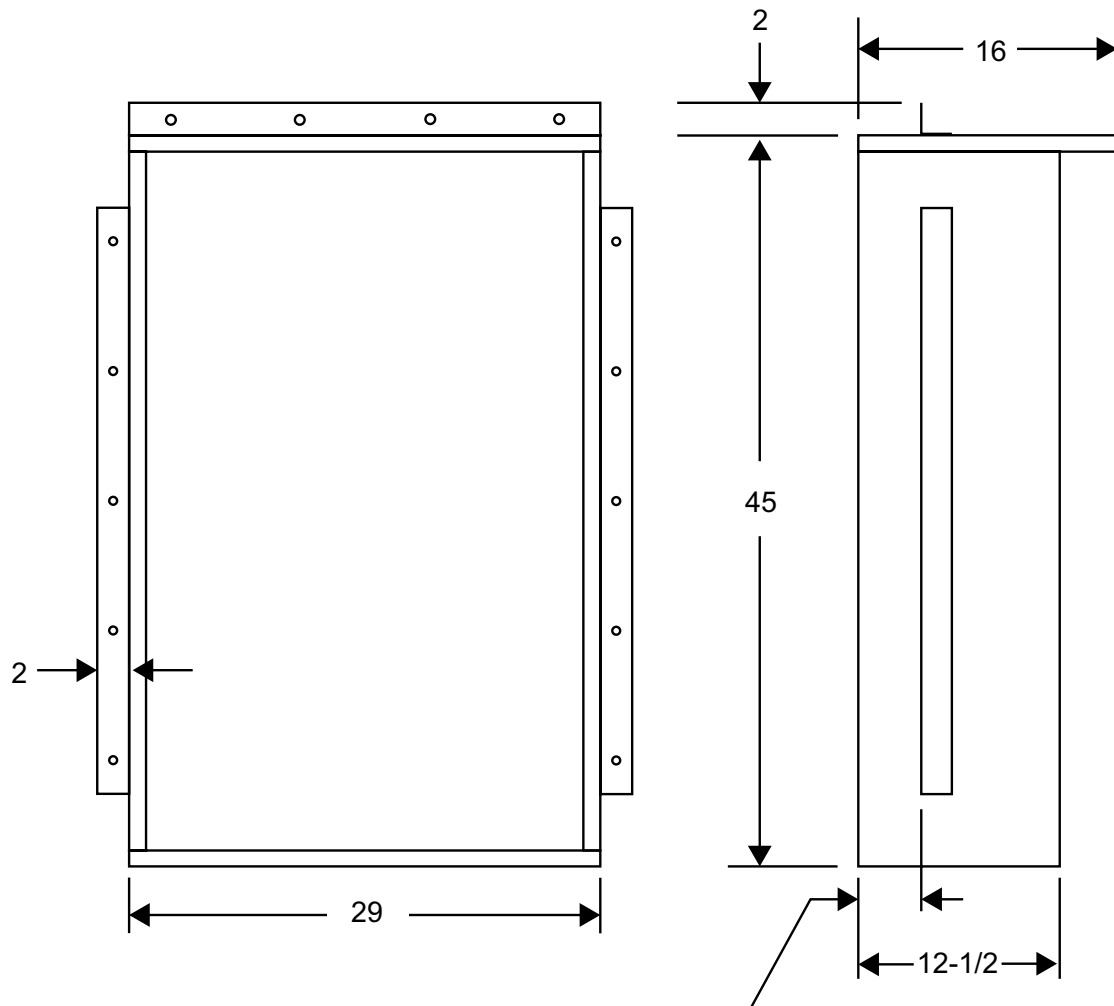
† As shipped speed for Cooling operation

## COOLING PERFORMANCE EXTENDED RATINGS

| Model          | Indoor Temp<br>DB/WB<br>°F | Outdoor Temperature - DB °F (0.3" w.c. External Static Pressure) |      |      |        |      |      |        |      |      |        |      |      |        |      |      |
|----------------|----------------------------|------------------------------------------------------------------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|
|                |                            | 65                                                               |      |      | 85     |      |      | 95     |      |      | 105    |      |      | 115    |      |      |
|                |                            | Btuh                                                             | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   | Btuh   | S/T  | kW   |
| EWC**-7-11-12P | 85/72                      | 15,300                                                           | 0.61 | 0.95 | 14,600 | 0.63 | 1.09 | 13,100 | 0.69 | 1.24 | 12,400 | 0.71 | 1.36 | 11,000 | 0.76 | 1.48 |
|                | 80/67                      | 14,300                                                           | 0.68 | 0.95 | 13,700 | 0.72 | 1.09 | 12,000 | 0.75 | 1.23 | 11,400 | 0.80 | 1.35 | 10,200 | 0.85 | 1.47 |
|                | 75/63                      | 13,500                                                           | 0.72 | 0.95 | 12,300 | 0.76 | 1.07 | 11,300 | 0.81 | 1.22 | 10,000 | 0.85 | 1.32 | 9,500  | 0.93 | 1.45 |
|                | 75/57                      | 12,400                                                           | 1.00 | 0.94 | 11,600 | 1.00 | 1.12 | 11,100 | 1.00 | 1.21 | 9,400  | 1.00 | 1.30 | 9,000  | 1.00 | 1.43 |
| EWC**-7-12-12P | 85/72                      | 15,300                                                           | 0.61 | 0.95 | 14,600 | 0.63 | 1.09 | 13,100 | 0.69 | 1.24 | 12,400 | 0.71 | 1.36 | 11,000 | 0.76 | 1.48 |
|                | 80/67                      | 14,300                                                           | 0.68 | 0.95 | 13,700 | 0.72 | 1.09 | 12,000 | 0.75 | 1.23 | 11,400 | 0.80 | 1.35 | 10,200 | 0.85 | 1.47 |
|                | 75/63                      | 13,500                                                           | 0.72 | 0.95 | 12,300 | 0.76 | 1.07 | 11,300 | 0.81 | 1.22 | 10,000 | 0.85 | 1.32 | 9,500  | 0.93 | 1.45 |
|                | 75/57                      | 12,400                                                           | 1.00 | 0.94 | 11,600 | 1.00 | 1.12 | 11,100 | 1.00 | 1.21 | 9,400  | 1.00 | 1.30 | 9,000  | 1.00 | 1.43 |
| EWC**-7-11-18P | 85/72                      | 21,000                                                           | 0.59 | 1.28 | 19,700 | 0.60 | 1.52 | 18,400 | 0.62 | 1.68 | 16,800 | 0.64 | 1.80 | 15,400 | 0.72 | 2.10 |
|                | 80/67                      | 19,300                                                           | 0.72 | 1.24 | 18,500 | 0.75 | 1.46 | 17,000 | 0.78 | 1.65 | 15,400 | 0.81 | 1.79 | 13,800 | 0.85 | 1.99 |
|                | 75/63                      | 18,500                                                           | 0.76 | 1.21 | 17,300 | 0.79 | 1.51 | 15,500 | 0.81 | 1.67 | 14,100 | 0.85 | 1.79 | 12,300 | 0.89 | 1.95 |
|                | 75/57                      | 16,800                                                           | 1.00 | 1.20 | 15,500 | 1.00 | 1.50 | 14,100 | 1.00 | 1.67 | 12,900 | 1.00 | 1.78 | 11,200 | 1.00 | 1.94 |
| EWC**-7-12-18P | 85/72                      | 21,000                                                           | 0.64 | 1.20 | 20,000 | 0.65 | 1.45 | 18,900 | 0.67 | 1.59 | 17,200 | 0.71 | 1.71 | 15,200 | 0.74 | 1.86 |
|                | 80/67                      | 19,200                                                           | 0.72 | 1.16 | 18,400 | 0.74 | 1.38 | 16,800 | 0.77 | 1.55 | 15,400 | 0.80 | 1.68 | 13,800 | 0.85 | 1.84 |
|                | 75/63                      | 18,200                                                           | 0.76 | 1.14 | 17,100 | 0.70 | 1.44 | 15,200 | 0.79 | 1.58 | 13,500 | 0.83 | 1.66 | 11,500 | 0.90 | 1.82 |
|                | 75/57                      | 16,700                                                           | 1.00 | 1.12 | 15,900 | 1.00 | 1.43 | 13,800 | 1.00 | 1.56 | 12,600 | 1.00 | 1.65 | 11,000 | 1.00 | 1.81 |
| EWC**-7-11-24P | 85/72                      | 29,500                                                           | 0.63 | 1.74 | 27,400 | 0.63 | 2.03 | 25,000 | 0.64 | 2.35 | 22,800 | 0.66 | 2.57 | 20,500 | 0.70 | 2.87 |
|                | 80/67                      | 27,300                                                           | 0.68 | 1.69 | 24,600 | 0.70 | 2.02 | 22,200 | 0.73 | 2.32 | 20,300 | 0.77 | 2.55 | 18,700 | 0.80 | 2.86 |
|                | 75/63                      | 25,500                                                           | 0.71 | 1.66 | 22,800 | 0.73 | 2.00 | 20,600 | 0.75 | 2.26 | 18,800 | 0.80 | 2.53 | 16,900 | 0.81 | 2.84 |
|                | 75/57                      | 22,000                                                           | 1.00 | 1.65 | 20,300 | 1.00 | 1.97 | 19,200 | 1.00 | 2.25 | 17,800 | 1.00 | 2.53 | 16,100 | 1.00 | 2.80 |
| EWC**-7-11-30P | 85/72                      | 35,900                                                           | 0.62 | 2.41 | 30,900 | 0.66 | 2.75 | 30,000 | 0.66 | 3.11 | 27,000 | 0.60 | 3.34 | 24,700 | 0.73 | 3.56 |
|                | 80/67                      | 32,500                                                           | 0.69 | 2.37 | 29,900 | 0.70 | 2.73 | 26,800 | 0.73 | 3.05 | 24,300 | 0.77 | 3.27 | 22,500 | 0.79 | 3.67 |
|                | 75/63                      | 29,900                                                           | 0.71 | 2.34 | 28,500 | 0.86 | 2.72 | 24,600 | 0.77 | 3.02 | 22,100 | 0.80 | 3.25 | 19,700 | 0.85 | 3.45 |
|                | 75/57                      | 26,400                                                           | 1.00 | 2.33 | 27,300 | 1.00 | 2.71 | 22,900 | 1.00 | 2.99 | 20,800 | 1.00 | 3.23 | 18,700 | 1.00 | 3.43 |

UNIT DIMENSIONS



**WALL SLEEVE DIMENSIONS**

Flange may be assembled  
1" or 3-3/4" from front of sleeve



215 Metropolitan Drive | West Columbia, SC 29170  
800-448-5872  
Product Support 866-282-7257  
[www.magic-pak.com](http://www.magic-pak.com)

All specifications and illustrations subject to change  
without notice and without incurring obligations.