

FEATURES

- Up to 11.2 EER cooling efficiency
- Completely self-contained heating and cooling package
 - No outside condensing unit
 - No external refrigerant lines
 - No separate cooling coil
- Pre-wired and pre-charged
- Individually metered and controlled
- Easy service access
- Louver color options to match building facade
- Available with optional factory installed Ventilation Air Kit

REFRIGERANT SYSTEM

- High efficiency compressor
- Copper tubing with enhanced fin coils

CABINET

- Fully insulated cabinet for quiet operation
- Anti-microbial insulation in all air handling compartments

BLOWER

- Four-speed permanently lubricated motor for low maintenance, maximum efficiency and wide airflow range
- PSC permanently lubricated motor for low maintenance and maximum efficiency
- Dynamically balanced blower with resilient motor mounts for smooth and quiet operation
- Internal washable filter

CONTROLS

- Color coded wiring for easy service
- Fuse protection on 24V circuit

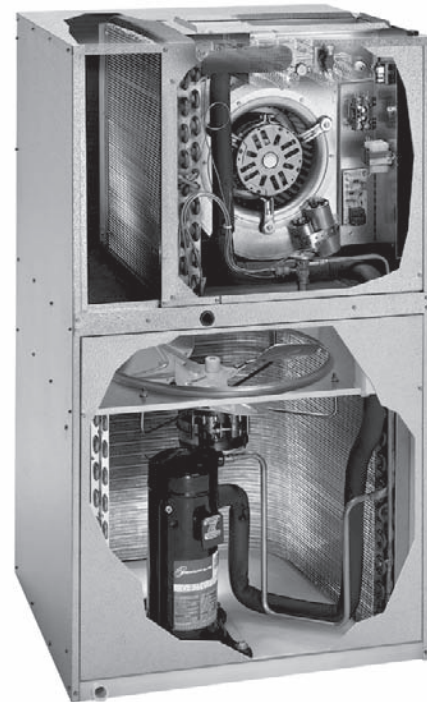
INSTALLATION

- Easy to install and service
- Louver mounts flush to outside wall

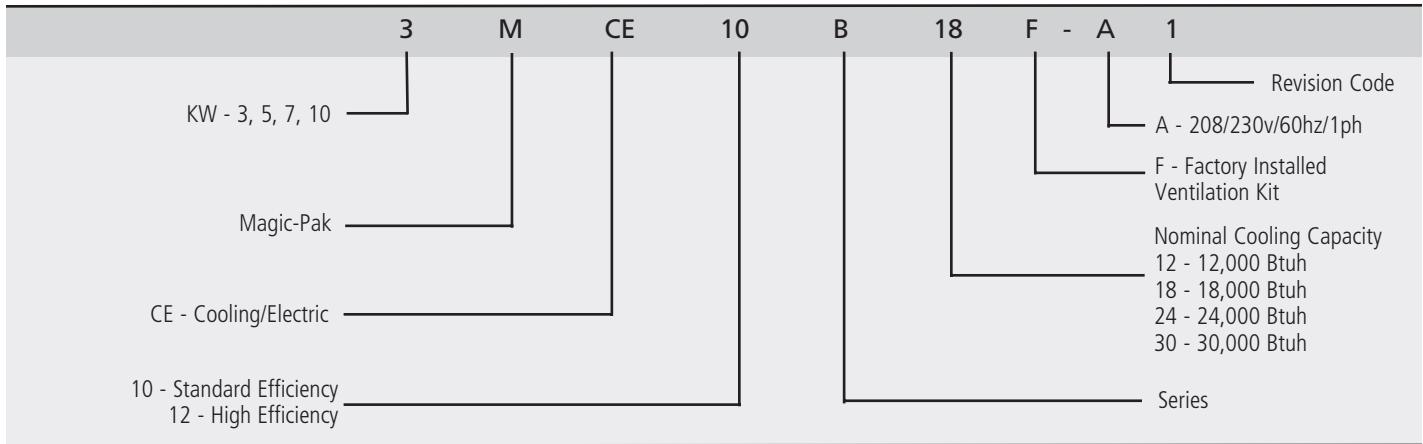
WARRANTY

- 5 year limited warranty on all parts
- 10 year warranty on electric heating elements

MCE



Model Number Guide



Electrical and Physical Data

| Model | Voltage/ Hz/ Phase | Voltage Range | Minimum Circuit Ampacity | | Maximum Fuse/ HACR Breaker | | Compressor | | Outside Fan | | | | Indoor Blower | | R22 Refrig. Charge (oz.) | Wgt. (lbs.) | |
|------------|--------------------------|------------------|--------------------------------|-----|-------------------------------------|-----|-----------------------|-------------------------|----------------|-------------|---------------------------------|-------------|---------------------------------|-----------------------|-----------------------------------|----------------|-------------|
| | | | Circuit 1 | | Circuit 2 | | Rated Load Amps | Locked Rotor Amps | Dia. (in.) | Nom. RPM | Rated Load Amps (amps) | Rated HP | Wheel dia x wid. (in.) | Rated Load Amps | | | Rated HP |
| | | | 208 | 230 | 208 | 230 | | | | | | | | | | | |
| 3MCE10B12 | 208-230/60/1 | 197 - 253 | 18 | 20 | 20 | 20 | 4.7 | 27.0 | 16 | 1075 | 0.9 | 1/8 | 9 x 6 | 1/6 | 1/4 | 39 | 165 |
| 5MCE10B12 | | | 24 | 26 | 25 | 30 | | | | | | | | | | | |
| 7MCE10B12 | | | 35 | 38 | 35 | 40 | | | | | | | | | | | |
| 3MCE10B18 | 208-230/60/1 | 197 - 253 | 18 | 20 | 20 | 20 | 9.0 | 41.0 | 16 | 1075 | 0.9 | 1/8 | 9 x 6 | 1.6 | 1/4 | 34 | 175 |
| 5MCE10B18 | | | 24 | 26 | 25 | 30 | | | | | | | | | | | |
| 7MCE10B18 | | | 35 | 38 | 35 | 40 | | | | | | | | | | | |
| 10MCE10B18 | | | 45 | 50 | 45 | 50 | | | | | | | | | | | |
| 5MCE10B24 | 208-230/60/1 | 197 - 253 | 24 | 26 | 25 | 30 | 10.9 | 54.0 | 18 | 1075 | 0.9 | 1/8 | 9 x 6 | 1.6 | 1/4 | 58 | 190 |
| 7MCE10B24 | | | 35 | 38 | 35 | 40 | | | | | | | | | | | |
| 10MCE10B24 | | | 45 | 50 | 45 | 50 | | | | | | | | | | | |
| 5MCE10B30 | 208-230/60/1 | 197 - 253 | 25 | 26 | 35 | 35 | 14.1 | 73.0 | 18 | 1075 | 1.6 | 1/4 | 9 x 7 | 1.9 | 1/3 | 61 | 200 |
| 7MCE10B30 | | | 35 | 38 | 35 | 40 | | | | | | | | | | | |
| 10MCE10B30 | | | 46 | 50 | 50 | 50 | | | | | | | | | | | |
| 3MCE12A18 | 208-230/60/1 | 197 - 253 | 18 | 20 | 20 | 20 | 9.0 | 41.0 | 18 | 1075 | 0.9 | 1/8 | 9 x 6 | 1.6 | 1/4 | 70 | 210 |
| 5MCE12A18 | | | 24 | 26 | 25 | 30 | | | | | | | | | | | |
| 7MCE12A18 | | | 35 | 38 | 35 | 40 | | | | | | | | | | | |
| 10MCE12A18 | | | 45 | 50 | 45 | 50 | | | | | | | | | | | |
| 5MCE12A24 | 208-230/60/1 | 197 - 253 | 24 | 26 | 25 | 30 | 10.9 | 54.0 | 18 | 1075 | 0.9 | 1/8 | 9 x 6 | 1.6 | 1/4 | 88 | 215 |
| 7MCE12A24 | | | 35 | 38 | 35 | 40 | | | | | | | | | | | |
| 10MCE12A24 | | | 45 | 50 | 45 | 50 | | | | | | | | | | | |
| 5MCE12A30 | 208-230/60/1 | 197 - 253 | 25 | 26 | 30 | 30 | 13.5 | 72.5 | 18 | 1075 | 1.6 | 1/4 | 9 x 7 | 1.9 | 1/3 | 104 | 235 |
| 7MCE12A30 | | | 35 | 38 | 35 | 40 | | | | | | | | | | | |
| 10MCE12A30 | | | 46 | 50 | 50 | 50 | | | | | | | | | | | |

Blower Performance

| Model | Blower Speed | CFM @ ext. static pressure - in. w.c. with filter | | | | |
|----------------------------------|--------------|---|------|------|------|-----|
| | | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 |
| MCE10B12 MCE10B18 MCE10B24 | Low | 450 | 440 | 425 | 400 | 370 |
| | Medium Low | 700 | 690 | 680 | 650 | 600 |
| | Medium High | 810 | 800 | 790 | 770 | 730 |
| | High | 940 | 920 | 875 | 850 | 810 |
| MCE10B30 | Low | 620 | 600 | 580 | 560 | 535 |
| | Medium Low | 840 | 820 | 785 | 750 | 700 |
| | Medium High | 975 | 940 | 870 | 825 | 760 |
| | High | 1075 | 1000 | 930 | 880 | 800 |
| MCE12A18 MCE12A24 | Low | 450 | 440 | 425 | 400 | 370 |
| | Medium Low | 700 | 690 | 680 | 650 | 600 |
| | Medium High | 810 | 800 | 790 | 770 | 730 |
| | High | 940 | 920 | 875 | 850 | 810 |
| MCE12A30 | Low | 630 | 620 | 610 | 580 | 550 |
| | Medium Low | 900 | 890 | 850 | 800 | 750 |
| | Medium High | 1070 | 1030 | 1000 | 920 | 840 |
| | High | 1220 | 1150 | 1100 | 1030 | 920 |

Electric Heat Data

| Model | Input Voltage | | | | | | | | |
|-------|---------------|--------|-------|-------|--------|-------|-------|--------|-------|
| | 240 | | | 230 | | | 208 | | |
| | kW/Hr | Btuh | Amps | kW/Hr | Btuh | Amps | kW/Hr | Btuh | Amps |
| 3kW | 3.60 | 12,284 | 15.00 | 3.31 | 11,281 | 14.38 | 2.70 | 9,226 | 13.00 |
| 5kW | 4.80 | 16,378 | 20.00 | 4.41 | 15,042 | 19.17 | 3.61 | 12,302 | 17.33 |
| 7kW | 7.20 | 24,567 | 30.00 | 6.61 | 22,563 | 28.75 | 5.41 | 18,453 | 26.00 |
| 10kW | 9.60 | 32,757 | 40.00 | 8.82 | 30,084 | 38.33 | 7.21 | 24,604 | 34.67 |

Performance

| Model | Cooling | | | CFM | Electric Heat @ 240V | |
|------------|---------|-------|-----|------|----------------------|--------|
| | Btuh | EER | S/T | | kW/Hr | Btuh |
| 3MCE10B12 | 11,600 | 10.00 | .74 | 400 | 3.6 | 12,200 |
| 5MCE10B12 | | | | | 4.8 | 16,300 |
| 7MCE10B12 | | | | | 7.2 | 24,500 |
| 3MCE10B18 | 17,200 | 9.90 | .73 | 600 | 3.6 | 12,200 |
| 5MCE10B18 | | | | | 4.8 | 16,300 |
| 7MCE10B18 | | | | | 7.2 | 24,500 |
| 10MCE10B18 | | | | | 9.6 | 32,700 |
| 5MCE10B24 | 23,500 | 9.90 | .74 | 800 | 4.8 | 16,300 |
| 7MCE10B24 | | | | | 7.2 | 24,500 |
| 10MCE10B24 | | | | | 9.6 | 32,700 |
| 5MCE10B30 | 30,000 | 9.40 | .73 | 1000 | 4.8 | 16,300 |
| 7MCE10B30 | | | | | 7.2 | 24,500 |
| 10MCE10B30 | | | | | 9.6 | 32,700 |
| 3MCE12A18 | 18,000 | 11.20 | .74 | 600 | 3.6 | 12,200 |
| 5MCE12A18 | | | | | 4.8 | 16,300 |
| 7MCE12A18 | | | | | 7.2 | 24,500 |
| 10MCE12A18 | | | | | 9.6 | 32,700 |
| 5MCE12A24 | 23,800 | 10.80 | .75 | 800 | 4.8 | 16,300 |
| 7MCE12A24 | | | | | 7.2 | 24,500 |
| 10MCE12A24 | | | | | 9.6 | 32,700 |
| 5MCE12A30 | 29,000 | 10.20 | .72 | 1000 | 4.8 | 16,300 |
| 7MCE12A30 | | | | | 7.2 | 24,500 |
| 10MCE12A30 | | | | | 9.6 | 32,700 |

Sound Ratings

| Model | Sound Rating (dBA) |
|------------|--------------------|
| 3MCE10B12 | 72 |
| 5MCE10B12 | |
| 7MCE10B12 | |
| 3MCE10B18 | 72 |
| 5MCE10B18 | |
| 7MCE10B18 | |
| 10MCE10B18 | |
| 5MCE10B24 | 74 |
| 7MCE10B24 | |
| 10MCE10B24 | |
| 5MCE10B24 | 76 |
| 7MCE10B24 | |
| 10MCE10B24 | |

| Model | Sound Rating (dBA) |
|------------|--------------------|
| 3MCE12A18 | 74 |
| 5MCE12A18 | |
| 7MCE12A18 | |
| 10MCE12A18 | |
| 5MCE12A24 | 74 |
| 5MCE12A24 | |
| 7MCE12A24 | |
| 10MCE12A24 | 76 |
| 5MCE12A30 | |
| 7MCE12A30 | |
| 10MCE12A30 | |

Cooling Performance Extended Ratings

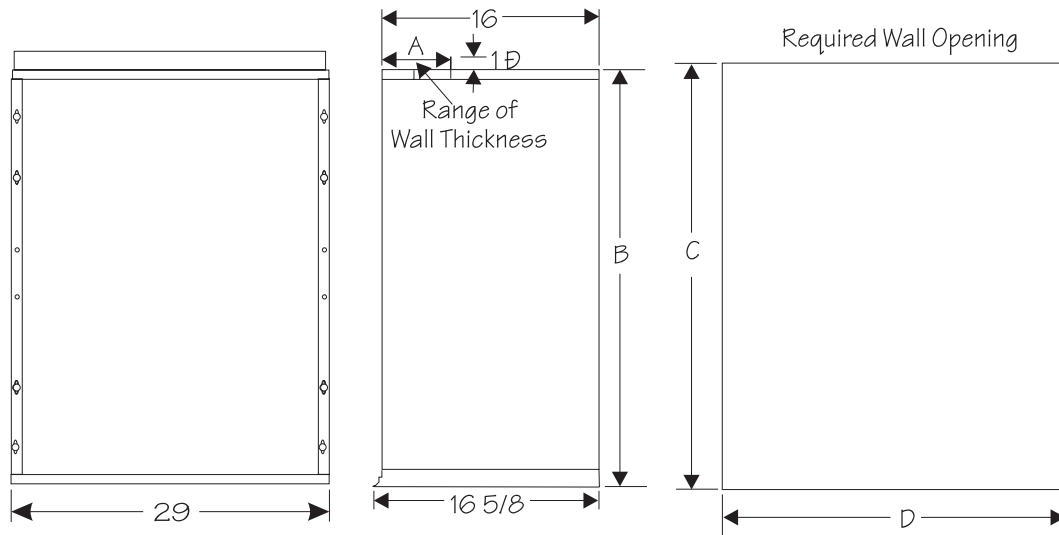
| Model | Indoor Temp DB/WB °F | Outdoor Temperature - DB °F | | | | | | | | | | | | | | |
|----------|----------------------------|-----------------------------|-----|------|--------|-----|------|--------|-----|------|--------|-----|------|--------|-----|------|
| | | 65 | | | 85 | | | 95 | | | 105 | | | 115 | | |
| | | Btuh | S/T | kW | Btuh | S/T | kW | Btuh | S/T | kW | Btuh | S/T | kW | Btuh | S/T | kW |
| MCE10B12 | 85/72 | 12,800 | .58 | .92 | 12,500 | .60 | 1.09 | 12,000 | .61 | 1.20 | 11,600 | .64 | 1.28 | 11,200 | .66 | 1.36 |
| | 80/67 | 12,200 | .66 | .92 | 12,400 | .69 | 1.08 | 11,400 | .72 | 1.20 | 10,600 | .74 | 1.28 | 9,900 | .76 | 1.36 |
| | 75/63 | 11,800 | .69 | .91 | 11,600 | .73 | 1.05 | 10,600 | .75 | 1.15 | 9,900 | .77 | 1.24 | 9,200 | .79 | 1.32 |
| MCE10B18 | 85/72 | 20,800 | .62 | 1.55 | 20,200 | .64 | 1.79 | 19,000 | .66 | 1.95 | 15,900 | .69 | 2.12 | 16,800 | .71 | 2.29 |
| | 80/67 | 19,400 | .70 | 1.52 | 18,600 | .72 | 1.76 | 17,200 | .73 | 1.90 | 16,100 | .77 | 2.11 | 15,000 | .80 | 2.27 |
| | 75/63 | 18,500 | .74 | 1.51 | 17,500 | .76 | 1.73 | 16,000 | .77 | 1.88 | 14,800 | .80 | 2.06 | 13,500 | .83 | 2.23 |
| MCE10B24 | 85/72 | 30,700 | .56 | 1.93 | 29,200 | .58 | 2.31 | 26,900 | .60 | 2.56 | 24,250 | .63 | 2.81 | 22,100 | .66 | 3.06 |
| | 80/67 | 28,400 | .63 | 1.90 | 25,500 | .66 | 2.32 | 23,500 | .68 | 2.50 | 21,000 | .72 | 2.75 | 19,100 | .75 | 3.00 |
| | 75/63 | 26,600 | .73 | 1.88 | 24,500 | .77 | 2.23 | 21,300 | .74 | 2.46 | 19,200 | .77 | 2.71 | 17,000 | .79 | 2.95 |
| MCE10B30 | 85/72 | 35,800 | .59 | 2.55 | 25,000 | .61 | 3.02 | 33,500 | .62 | 3.33 | 31,800 | .64 | 3.67 | 30,000 | .66 | 4.01 |
| | 80/67 | 34,200 | .66 | 2.54 | 32,500 | .68 | 2.96 | 30,000 | .72 | 3.26 | 28,300 | .74 | 3.60 | 26,600 | .77 | 3.94 |
| | 75/63 | 32,800 | .69 | 2.52 | 31,000 | .72 | 2.94 | 28,200 | .74 | 3.22 | 26,200 | .76 | 3.52 | 24,100 | .78 | 3.81 |
| MCE12A18 | 85/72 | 22,000 | .63 | 1.30 | 21,200 | .65 | 1.50 | 20,100 | .67 | 1.63 | 19,200 | .68 | 1.78 | 18,200 | .69 | 1.93 |
| | 80/67 | 20,600 | .71 | 1.27 | 19,400 | .73 | 1.47 | 18,000 | .74 | 1.61 | 17,300 | .76 | 1.76 | 16,500 | .77 | 1.90 |
| | 75/63 | 19,600 | .75 | 1.25 | 18,600 | .77 | 1.44 | 17,100 | .78 | 1.56 | 16,100 | .79 | 1.72 | 15,000 | .80 | 1.87 |
| MCE12A24 | 85/72 | 30,500 | .64 | 1.79 | 29,100 | .66 | 2.07 | 27,000 | .67 | 2.26 | 25,600 | .69 | 2.47 | 24,100 | .71 | 2.67 |
| | 80/67 | 27,800 | .71 | 1.75 | 26,000 | .73 | 2.00 | 23,800 | .75 | 2.20 | 22,900 | .77 | 2.43 | 22,000 | .79 | 2.66 |
| | 75/63 | 26,000 | .75 | 1.74 | 24,600 | .77 | 2.00 | 22,600 | .79 | 2.18 | 21,400 | .81 | 2.41 | 20,200 | .83 | 2.63 |
| MCE12A30 | 85/72 | 37,800 | .61 | 2.20 | 35,600 | .63 | 2.60 | 32,200 | .64 | 2.86 | 30,400 | .66 | 3.15 | 28,500 | .67 | 3.43 |
| | 80/67 | 34,200 | .69 | 2.18 | 31,500 | .69 | 2.54 | 29,000 | .72 | 2.84 | 27,200 | .74 | 3.14 | 25,400 | .76 | 3.44 |
| | 75/63 | 31,800 | .71 | 2.17 | 29,800 | .73 | 2.55 | 26,800 | .75 | 2.81 | 24,900 | .78 | 3.10 | 23,000 | .80 | 3.38 |

Accessories

| Description | Kit Number | Where Used |
|--|------------------|-----------------------------------|
| Polypropylene Louver Kit (White) | ALVRPWHT-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| Polypropylene Louver Kit (White) | ALVRPWHT-2 | MCE12-30 |
| Polypropylene Louver Kit (Sandstone) | ALVRPSAN-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| Polypropylene Louver Kit (Sandstone) | ALVRPSAN-2 | MCE12-30 |
| Polypropylene Louver Kit (Beige) | ALVRPBGE-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| Polypropylene Louver Kit (Beige) | ALVRPBGE-2 | MCE12-30 |
| Polypropylene Louver Kit (Taupestone) | ALVRPTST-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| Polypropylene Louver Kit (Taupestone) | ALVRPTST-2 | MCE12-30 |
| Extuded Aluminum Louver Kit | ALVRAL-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| Extuded Aluminum Louver Kit | ALVRAL-2 | MCE12-30 |
| Extruded Aluminum Louver Kit (45" height louver) | ALVRAL-3 | MCE10-12 thru 30/MCE12-18 thru 24 |
| Extruded Aluminum Louver Kit (45" height louver) | ALVRAL-4 | MCE12-30 |
| Wall Sleeve Kit (45" Louver) | ASLEEVE-3* | MCE10-12 & 18 |
| 2" Wall Sleeve Kit | ASLEEVE2-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 2" Wall Sleeve Kit | ASLEEVE2-2 | MCE12-30 |
| 6" Wall Sleeve Kit | ASLEEVE6-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 6" Wall Sleeve Kit | ASLEEVE6-2 | MCE12-30 |
| 6" Wall Sleeve for 45" Louver | ASLEEVE6-3 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 6" Wall Sleeve for 45" Louver | ASLEEVE6-4 | MCE12-30 |
| 8" Wall Sleeve Kit | ASLEEVE8-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 8" Wall Sleeve Kit | ASLEEVE8-2 | MCE12-30 |
| 8" Wall Sleeve for 45" Louver | ASLEEVE8-3 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 8" Wall Sleeve for 45" Louver | ASLEEVE8-4 | MCE12-30 |
| 10" Wall Sleeve Kit | ASLEEVE10-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 10" Wall Sleeve Kit | ASLEEVE10-2 | MCE12-30 |
| 10" Wall Sleeve for 45" Louver | ASLEEVE10-3 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 10" Wall Sleeve for 45" Louver | ASLEEVE10-4 | MCE12-30 |
| 12" Wall Sleeve Kit | ASLEEVE12-1 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 12" Wall Sleeve Kit | ASLEEVE12-2 | MCE12-30 |
| 12" Wall Sleeve for 45" Louver | ASLEEVE12-3 | MCE10-12 thru 30/MCE12-18 thru 24 |
| 12" Wall Sleeve for 45" Louver | ASLEEVE12-4 | MCE12-30 |
| Threaded PVC Nipple | AADAPTPVC412-1 | All MCE's |
| Outdoor Coil Filter | AFILTMP-1 | All MCE's |
| Wall Sleeve Extension Kit | ASLEEVEXT4-1,4-2 | ASLEEVE Wall Kits |

*Thru the wall applications only.

Accessories Dimensions (in.)



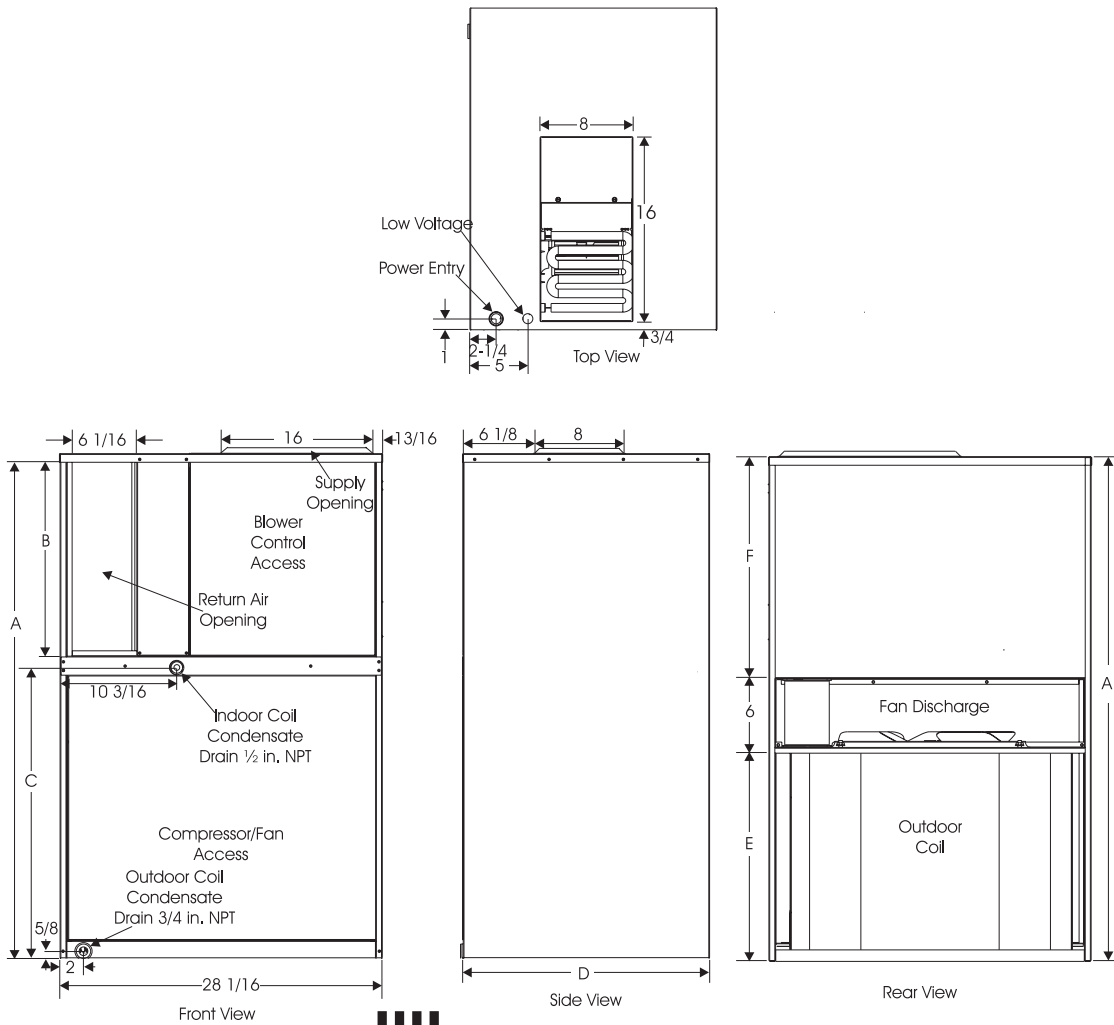
Accessories

| Kit Number | A | B | C | D |
|-------------|----|--------|--------|--------|
| ASLEEVE2-1 | 2 | 29 | 29-1/8 | 29-1/8 |
| ASLEEVE2-2 | 2 | 32-3/4 | 32-7/8 | 29-1/8 |
| ASLEEVE6-1 | 6 | 29 | 29-1/8 | 29-1/8 |
| ASLEEVE6-2 | 6 | 32-3/4 | 32-7/8 | 29-1/8 |
| ASLEEVE6-3 | 6 | 45 | 45-1/8 | 29-1/8 |
| ASLEEVE6-4 | | | | |
| ASLEEVE8-1 | 8 | 29 | 29-1/8 | 29-1/8 |
| ASLEEVE8-2 | 8 | 32-3/4 | 32-7/8 | 29-1/8 |
| ASLEEVE8-3 | 8 | 45 | 45-1/8 | 29-1/8 |
| ASLEEVE8-4 | | | | |
| ASLEEVE10-1 | 10 | 29 | 29-1/8 | 29-1/8 |
| ASLEEVE10-2 | 10 | 32-3/4 | 32-7/8 | 29-1/8 |
| ASLEEVE10-3 | 10 | 45 | 45-1/8 | 29-1/8 |
| ASLEEVE10-4 | | | | |
| ASLEEVE12-1 | 12 | 29 | 29-1/8 | 29-1/8 |
| ASLEEVE12-2 | 12 | 32-3/4 | 32-7/8 | 29-1/8 |
| ASLEEVE12-3 | 12 | 45 | 45-1/8 | 29-1/8 |
| ASLEEVE12-4 | | | | |
| ASLEEVE-3 | * | 45 | 45-1/8 | 29-1/8 |

*Thru the wall installations only.

Dimensions (in.)

| Model | A | B | C | D | E | F |
|----------|----------|----------|---------|--------|--------|---------|
| MCE10B12 | 43-7/8 | 16-7/8 | 25-5/16 | 21-1/2 | 18-5/8 | 19-1/4 |
| MCE10B18 | | | | | | |
| MCE10B24 | 47-13/16 | 18-15/16 | 27-1/8 | 24-3/8 | 20-5/8 | 21-3/16 |
| MCE10B30 | | | | | | |
| MCE12A18 | | | | | | |
| MCE12A24 | | | | | | |
| MCE12A30 | 55-13/16 | 22-13/16 | 31-1/8 | 24-3/8 | 24-3/4 | 25-1/16 |



215 Metropolitan Drive
 West Columbia, SC 29170
 800-448-5872

Product Support 866-282-7257

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