

### COMPRESSOR

- High-efficiency scroll compressor
- R410a refrigerant
- Grommet-mounted compressor for quiet operation
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation

### CABINET

- Full metal louvered panel coil guard protection
- Controls located in corner post for easy installation and service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finish over galvanized steel for maximum durability
- PVC-coated wire fan discharge grille
- External gauge ports for easy service



### COMPONENTS

- Full metal louvered panels remove with just two screws per panel for easy coil cleaning and service
- Filter drier installed for system protection
- Service valves positioned for quick installation and easy service
- Indoor coil orifice shipped with outdoor unit for optimum efficiency and capacity
- Charged for 15 ft. of line set
- Trade available components
- High pressure switch

### COIL

- Enhanced aluminum fins and copper tubing for high efficiency and capacity
- Raised coil prevents debris from collecting in bottom of coil and causing loss of airflow

### ACCESSORIES

- Low ambient control
- Thermal expansion valve kits
- Short cycle protection kit

### DESIGN

- Designed for ambients up to 125°F

### WARRANTY

- 10 year limited parts warranty available

## Model Number Guide

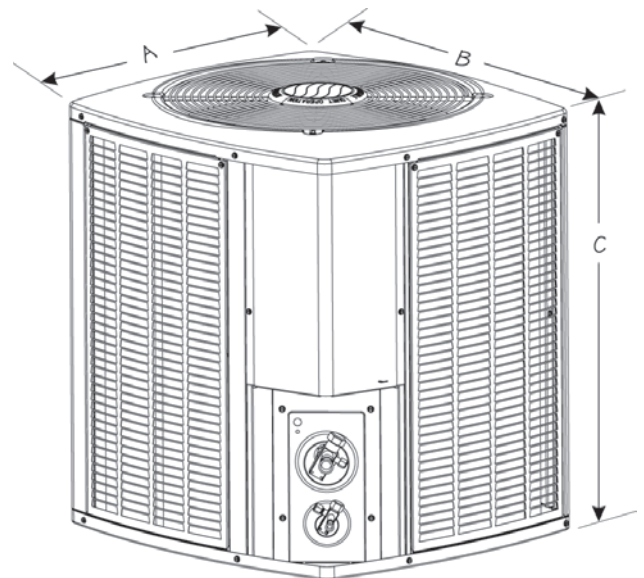
|          |                       |                      |                   |        |                                      |                       |   |                     |                     |
|----------|-----------------------|----------------------|-------------------|--------|--------------------------------------|-----------------------|---|---------------------|---------------------|
| 4        | SCU                   | 13                   | LE                | 1      | 24                                   | P                     | - | 1                   | A                   |
| 4- R410a | Split Condensing Unit | 13 - 13 SEER Nominal | Louvered Enhanced | Series | Nominal Capacity<br>24 - 24,000 BTUH | P - 208-230v/60hz/1Ph |   | Major Revision Code | Minor Revision Code |

## Physical and Electrical

| Model        | Voltage/Hz/Phase | Voltage Range | Min. Circuit Amp. | Max. Over current Device (amps) | Compressor        |                     | Fan Motor         |          |          | Refrig. Charge (oz.) | Weight (lbs.) |
|--------------|------------------|---------------|-------------------|---------------------------------|-------------------|---------------------|-------------------|----------|----------|----------------------|---------------|
|              |                  |               |                   |                                 | Rated Load (amps) | Locked Rotor (amps) | Rated Load (amps) | Rated HP | Nom. RPM |                      |               |
| 4SCU13LE118P | 230/60/1         | 197 - 253     | 11.9              | 20                              | 9.0               | 48.0                | .07               | 1/10     | 1075     | 75                   | 155           |
| 4SCU13LE124P | 230/60/1         | 197 - 253     | 17.5              | 30                              | 13.5              | 58.3                | .07               | 1/10     | 1075     | 70                   | 162           |
| 4SCU13LE130P | 230/60/1         | 197 - 253     | 18.7              | 30                              | 14.1              | 73.0                | 1.1               | 1/5      | 1075     | 87                   | 178           |
| 4SCU13LE136P | 230/60/1         | 197 - 253     | 21.9              | 35                              | 16.7              | 79.0                | 1.1               | 1/5      | 825      | 89                   | 202           |
| 4SCU13LE142P | 230/60/1         | 197 - 253     | 23.2              | 40                              | 17.9              | 107.0               | 1.1               | 1/6      | 825      | 115                  | 216           |
| 4SCU13LE148P | 230/60/1         | 197 - 253     | 28.3              | 50                              | 21.8              | 117.0               | 1.1               | 1/6      | 825      | 127                  | 220           |
| 4SCU13LE160P | 230/60/1         | 197 - 253     | 34.6              | 60                              | 26.3              | 134.0               | 1.7               | 1/4      | 825      | 160                  | 282           |

## Dimensions (in.) & Sound Ratings

| Model No.   | A      | B      | C      | Sound Rating dBA |
|-------------|--------|--------|--------|------------------|
| 4SCU13LE118 | 24-3/4 | 26-3/4 | 25-3/4 | 74               |
| 4SCU13LE124 | 24-3/4 | 26-3/4 | 25-3/4 | 74               |
| 4SCU13LE130 | 24-3/4 | 26-3/4 | 29-3/4 | 76               |
| 4SCU13LE136 | 24-3/4 | 26-3/4 | 29-3/4 | 76               |
| 4SCU13LE142 | 29-3/8 | 31-1/4 | 29-3/4 | 76               |
| 4SCU13LE148 | 29-3/8 | 31-1/4 | 37-3/4 | 76               |
| 4SCU13LE160 | 29-3/8 | 31-1/4 | 33-3/4 | 76               |



## Cooling Performance with Evaporator Coils

| Outdoor Model | Indoor Model                  |                       | SEER  | EER   | Rated ARI Capacity <sup>1</sup> | Rated Sensible Capacity | CFM  | Refrigerant Connection |        |         |        | Refrigerant Line Size |        | Indoor Metering Device    |                 |
|---------------|-------------------------------|-----------------------|-------|-------|---------------------------------|-------------------------|------|------------------------|--------|---------|--------|-----------------------|--------|---------------------------|-----------------|
|               | Piston or Field Installed TXV | Factory Installed TXV |       |       |                                 |                         |      | Outdoor                |        | Indoor  |        | Suction               | Liquid | Req'd Indoor <sup>2</sup> | Optional Indoor |
|               |                               |                       |       |       |                                 |                         |      | Suction                | Liquid | Suction | Liquid |                       |        |                           |                 |
| 4SCU13LE118   | E(U,C,M)1P19A                 | -                     | 13.00 | 11.00 | 17,200                          | 12,200                  | 600  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | E(U,C,M)1P18A,B,C             | -                     | 13.00 | 11.00 | 17,100                          | 12,100                  | 600  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | E(U,C,M,H)1P23A,B             | -                     | 13.00 | 11.00 | 17,300                          | 12,300                  | 600  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | E(U,C,M)1P24A,B,C             | -                     | 13.00 | 11.00 | 17,300                          | 12,300                  | 600  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | E(U,C,M,H)1P29A,B             | -                     | 13.00 | 11.00 | 17,300                          | 12,300                  | 600  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
| 4SCU13LE124   | E(U,C,M)1P24A,B,C             | -                     | 13.00 | 11.00 | 23,000                          | 17,000                  | 800  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | E(U,C,M,H)1P23A,B             | -                     | 13.00 | 11.00 | 23,000                          | 17,000                  | 800  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | E(U,C,M,H)1P29A,B             | -                     | 13.00 | 11.00 | 23,400                          | 17,300                  | 800  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | E(U,C,M)1P30A,B,C             | -                     | 13.00 | 11.00 | 23,200                          | 17,200                  | 800  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | E(U,C,M,H)1P36A,B,C           | -                     | 13.00 | 11.00 | 23,400                          | 17,300                  | 800  | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
| 4SCU13LE130   | E(U,C,M)1P30A,B,C             | -                     | 13.00 | 11.00 | 28,200                          | 20,300                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | E(U,C,M,H)1P29A,B             | -                     | 13.00 | 11.00 | 28,400                          | 20,400                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | E(U,C,M,H)1P36A,B,C           | -                     | 13.00 | 11.00 | 28,600                          | 20,600                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
| 4SCU13LE136   | E(U,C,M,H)1P36A,B,C           | -                     | 13.00 | 11.00 | 34,800                          | 26,100                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 7/8                   | 3/8    | 0.072                     | A4TXV02         |
|               | E(U,C,M,H)1P43B,C             | -                     | 13.00 | 11.00 | 34,800                          | 26,100                  | 1200 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.072                     | A4TXV02         |
|               | E(U,C,M)1P50C                 | -                     | 13.00 | 11.00 | 34,800                          | 26,100                  | 1200 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.072                     | A4TXV02         |
| 4SCU13LE142   | E(U,C,M,H)1P43B,C             | -                     | 13.00 | 11.00 | 41,000                          | 30,800                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | E(U,C,H)1P49C                 | -                     | 13.00 | 11.00 | 41,000                          | 30,800                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | E(U,C,M)1P50C                 | -                     | 13.00 | 11.00 | 41,000                          | 30,800                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
| 4SCU13LE148   | E(U,C,M)1P50C                 | -                     | 13.00 | 11.00 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | H4TXV02         |
|               | E(U,C,H)1P49C                 | -                     | 13.00 | 11.00 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | H4TXV02         |
|               | E(U,C)1P60D                   | -                     | 13.00 | 11.00 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | H4TXV02         |
|               | E(U,C)1P62C                   | -                     | 13.00 | 11.00 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | H4TXV02         |
|               | E(U,C)1P62D                   | -                     | 13.00 | 11.00 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | H4TXV02         |
| 4SCU13LE160   | E(U,C,H)1P49C                 | -                     | 13.00 | 11.00 | 58,000                          | 41,200                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |
|               | E(U,C)1P60D                   | -                     | 13.00 | 11.00 | 57,000                          | 40,500                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |
|               | E(U,C)1P62C                   | -                     | 13.00 | 11.00 | 58,000                          | 41,200                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |
|               | E(U,C)1P62D                   | -                     | 13.00 | 11.00 | 58,000                          | 41,200                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |

<sup>1</sup>Certified in accordance with Unitary Air Conditioner Certification Program, which is based on ARI Standard 210/240.

<sup>2</sup>Required to achieve ARI rating.

# Cooling Performance with Air Handlers and Furnaces 18, 24

| Outdoor Model | Indoor Model                       |                       | SEER  | EER   | Rated ARI Capacity <sup>1</sup> | Rated Sensible Capacity | CFM | Refrigerant Connection |        |         |        | Refrigerant Line Size |        | Indoor Metering Device    |                 |
|---------------|------------------------------------|-----------------------|-------|-------|---------------------------------|-------------------------|-----|------------------------|--------|---------|--------|-----------------------|--------|---------------------------|-----------------|
|               | Piston or Field Installed TXV      | Factory Installed TXV |       |       |                                 |                         |     | Outdoor                |        | Indoor  |        | Suction               | Liquid | Req'd Indoor <sup>2</sup> | Optional Indoor |
|               |                                    |                       |       |       |                                 |                         |     | Suction                | Liquid | Suction | Liquid |                       |        |                           |                 |
| 4SCU13LE118   | G2D80****V12B/E(U,C,M)1P18B        | -                     | 14.00 | 11.50 | 17,400                          | 12,400                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | G2D95****V12B/E(U,C,M)1P18B        | -                     | 14.00 | 11.50 | 17,400                          | 12,400                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | EFV08BC/E(U,C,M)1P18B              | -                     | 14.00 | 11.50 | 17,400                          | 12,400                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | LHF,LHR,LUF****V12/E(U,C,M)1P18B   | -                     | 14.00 | 11.50 | 17,400                          | 12,400                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | G2D80****V12B/E(U,C,M,H)1P23B      | -                     | 14.00 | 11.50 | 17,600                          | 12,500                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | G2D95****V12B/E(U,C,M,H)1P23B      | -                     | 14.00 | 11.50 | 17,600                          | 12,500                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | EFV08BC/E(U,C,M,H)1P23B            | -                     | 14.00 | 11.50 | 17,600                          | 12,500                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | LHF,LHR,LUF****V12/E(U,C,M,H)1P23B | -                     | 14.00 | 11.50 | 17,600                          | 12,500                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | G2D80****V12B/E(U,C,M)1P24B        | -                     | 14.00 | 11.50 | 17,600                          | 12,500                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | G2D95****V12B/E(U,C,M)1P24B        | -                     | 14.00 | 11.50 | 17,600                          | 12,500                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | EFV08BC/E(U,C,M)1P24B              | -                     | 14.00 | 11.50 | 17,600                          | 12,500                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | LHF,LHR,LUF****V12/E(U,C,M)1P24B   | -                     | 14.00 | 11.50 | 17,600                          | 12,500                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | BCS2M18C00NA-1P                    | -                     | 13.00 | 11.00 | 17,500                          | 12,400                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
|               | BCS2M24V00NA-1P                    | -                     | 14.00 | 12.00 | 17,900                          | 12,700                  | 600 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.051                     | A4TXV01         |
| 4SCU13LE124   | G2D80****V12B/E(U,C,M)1P24B        | -                     | 14.00 | 12.00 | 23,400                          | 17,300                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | G2D80****V14B/E(U,C,M)1P24B        | -                     | 14.00 | 12.00 | 23,400                          | 17,300                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | G2D95****V12B/E(U,C,M)1P24B        | -                     | 14.00 | 12.00 | 23,400                          | 17,300                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | G2D95****V14B/E(U,C,M)1P24B        | -                     | 14.00 | 12.00 | 23,400                          | 17,300                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | EFV08BC/E(U,C,M)1P24B              | -                     | 14.00 | 12.00 | 23,400                          | 17,300                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | LHF,LHR,LUF****V12/E(U,C,M)1P24B   | -                     | 14.00 | 11.50 | 23,200                          | 17,200                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | LBF,LUF****V14/E(U,C,M)1P24B       | -                     | 14.00 | 11.50 | 23,200                          | 17,200                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | G2D80****V12B/E(U,C,M,H)1P36B      | -                     | 14.00 | 12.00 | 23,800                          | 17,600                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | G2D80****V14B/E(U,C,M,H)1P36B      | -                     | 14.00 | 12.00 | 23,800                          | 17,600                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | G2D95****V12B/E(U,C,M,H)1P36B      | -                     | 14.00 | 12.00 | 23,800                          | 17,600                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | G2D95****V14B/E(U,C,M,H)1P36B      | -                     | 14.00 | 12.00 | 23,800                          | 17,600                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | EFV08BC/E(U,C,M,H)1P36B            | -                     | 14.00 | 12.00 | 23,800                          | 17,600                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | LHF,LHR,LUF****V12/E(U,C,M,H)1P36B | -                     | 14.00 | 11.50 | 23,800                          | 17,600                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | LBR,LUF****V14/E(U,C,M,H)1P36B     | -                     | 14.00 | 11.50 | 23,800                          | 17,600                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | BCS2M24C00NA-1P                    | -                     | 13.00 | 11.50 | 23,600                          | 17,600                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |
|               | BCS2M24V00NA-1P                    | -                     | 14.00 | 12.50 | 23,800                          | 17,500                  | 800 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.057                     | A4TXV01         |

<sup>1</sup>Certified in accordance with Unitary Air Conditioner Certification Program, which is based on ARI Standard 210/240.

<sup>2</sup>Required to achieve ARI rating.

# Cooling Performance with Air Handlers and Furnaces 30, 36

| Outdoor Model | Indoor Model                       |                       | SEER  | EER   | Rated ARI Capacity <sup>1</sup> | Rated Sensible Capacity | CFM  | Refrigerant Connection |        |         |        | Refrigerant Line Size |        | Indoor Metering Device    |                 |
|---------------|------------------------------------|-----------------------|-------|-------|---------------------------------|-------------------------|------|------------------------|--------|---------|--------|-----------------------|--------|---------------------------|-----------------|
|               | Piston or Field Installed TXV      | Factory Installed TXV |       |       |                                 |                         |      | Outdoor                |        | Indoor  |        | Suction               | Liquid | Req'd Indoor <sup>2</sup> | Optional Indoor |
|               |                                    |                       |       |       |                                 |                         |      | Suction                | Liquid | Suction | Liquid |                       |        |                           |                 |
| 45CU13LE130   | G2D80****V12B/E(U,C,M)1P30B        | -                     | 14.00 | 12.00 | 28,600                          | 20,600                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D80****V14B/E(U,C,M)1P30B        | -                     | 14.00 | 12.00 | 28,600                          | 20,600                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D95****V12B/E(U,C,M)1P30B        | -                     | 14.00 | 12.00 | 28,600                          | 20,600                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D95****V14B/E(U,C,M)1P30B        | -                     | 14.00 | 12.00 | 28,600                          | 20,600                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | EFV08BC/E(U,C,M)1P30B              | -                     | 14.00 | 12.00 | 28,600                          | 20,600                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | LHF,LHR,LUF****V12/E(U,C,M)1P30B   | -                     | 13.50 | 11.50 | 28,400                          | 20,400                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | LBR,LUF****V12/E(U,C,M)1P30B       | -                     | 13.50 | 11.50 | 28,400                          | 20,400                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D95****V16C/E(U,C,M)1P30C        | -                     | 14.00 | 12.00 | 28,600                          | 20,600                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D80****V12B/E(U,C,M,H)1P36B      | -                     | 14.00 | 12.00 | 29,000                          | 20,900                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D80****V14B/E(U,C,M,H)1P36B      | -                     | 14.00 | 12.00 | 29,000                          | 20,900                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D95****V12B/E(U,C,M,H)1P36B      | -                     | 14.00 | 12.00 | 29,000                          | 20,900                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D95****V14B/E(U,C,M,H)1P36B      | -                     | 14.00 | 12.00 | 29,000                          | 20,900                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | EFV12BC/E(U,C,M,H)1P36B            | -                     | 14.00 | 12.00 | 29,000                          | 20,900                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | LHF,LHR,LUF****V12/E(U,C,M,H)1P36B | -                     | 14.00 | 11.50 | 28,800                          | 20,700                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | LBR,LUF****V14/E(U,C,M,H)1P36B     | -                     | 14.00 | 11.50 | 28,800                          | 20,700                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | G2D95****V16C/E(U,C,M,H)1P36C      | -                     | 14.00 | 12.00 | 29,000                          | 20,900                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | BCS2M30C00NA-1P                    | -                     | 13.00 | 11.50 | 28,600                          | 20,900                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
|               | BCS2M30V00NA-1P                    | -                     | 14.00 | 12.50 | 29,000                          | 20,900                  | 1000 | 3/4                    | 3/8    | 3/4     | 3/8    | 3/4                   | 3/8    | 0.065                     | A4TXV01         |
| 45CU13LE136   | G2D80****V12B/E(U,C,M,H)1P36B      | -                     | 13.50 | 11.50 | 35,200                          | 26,400                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | G2D80****V14B/E(U,C,M,H)1P36B      | -                     | 13.50 | 11.50 | 35,200                          | 26,400                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | G2D95****V12B/E(U,C,M,H)1P36B      | -                     | 13.50 | 11.50 | 35,200                          | 26,400                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | G2D95****V14B/E(U,C,M,H)1P36B      | -                     | 13.50 | 11.50 | 35,200                          | 26,400                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | EFV12BC/E(U,C,M,H)1P36B            | -                     | 13.50 | 11.50 | 35,200                          | 26,400                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | G2D95****V16C/E(U,C,M,H)1P36C      | -                     | 13.50 | 11.50 | 35,200                          | 26,400                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | LUF****V20/E(U,C,M,H)1P36C         | -                     | 13.50 | 11.50 | 35,200                          | 26,400                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | G2D95****V16C/E(U,C,M)1P50C        | -                     | 14.00 | 11.50 | 35,400                          | 26,600                  | 1200 | 7/8                    | 3/8    | 7/8     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | EFV16CC/E(U,C,M)1P50C              | -                     | 14.00 | 11.50 | 35,400                          | 26,600                  | 1200 | 7/8                    | 3/8    | 7/8     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | LUF****V20/E(U,C,M)1P50C           | -                     | 14.00 | 11.50 | 35,400                          | 26,600                  | 1200 | 7/8                    | 3/8    | 7/8     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | BCS2M36C00NA-1P                    | -                     | 13.00 | 11.00 | 35,000                          | 26,300                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |
|               | BCS2M36V00NA-1P                    | -                     | 14.00 | 11.50 | 35,200                          | 26,400                  | 1200 | 7/8                    | 3/8    | 3/4     | 3/8    | 3/4                   | 7/8    | 0.072                     | A4TXV02         |

<sup>1</sup> Certified in accordance with Unitary Air Conditioner Certification Program, which is based on ARI Standard 210/240.

<sup>2</sup> Required to achieve ARI rating.

# Cooling Performance with Air Handlers and Furnaces 42, 48, 60

| Outdoor Model | Indoor Model                  |                       | SEER  | EER   | Rated ARI Capacity <sup>1</sup> | Rated Sensible Capacity | CFM  | Refrigerant Connection |        |         |        | Refrigerant Line Size |        | Indoor Metering Device    |                 |
|---------------|-------------------------------|-----------------------|-------|-------|---------------------------------|-------------------------|------|------------------------|--------|---------|--------|-----------------------|--------|---------------------------|-----------------|
|               | Piston or Field Installed TXV | Factory Installed TXV |       |       |                                 |                         |      | Outdoor                |        | Indoor  |        | Suction               | Liquid | Req'd Indoor <sup>2</sup> | Optional Indoor |
|               |                               |                       |       |       |                                 |                         |      | Suction                | Liquid | Suction | Liquid |                       |        |                           |                 |
| 4SCU13LE142   | G2D80****V20B/E(U,C,M,H)1P43C | -                     | 13.50 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | G2D95****V16B/E(U,C,M,H)1P43C | -                     | 13.50 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | G2D95****V20B/E(U,C,M,H)1P43C | -                     | 13.50 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | EFV16CC/E(U,C,M,H)1P43C       | -                     | 13.50 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | G2D80****V20C/E(U,C,M,)1P50C  | -                     | 13.50 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | G2D95****V16C/E(U,C,M)1P50C   | -                     | 13.50 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | G2D95****V20C/E(U,C,M)1P50C   | -                     | 13.50 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | EFV16CC/E(U,C,M)1P50C         | -                     | 13.50 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | LUF****V20/E(U,C,M)1P50C      | -                     | 13.50 | 11.00 | 41,000                          | 30,800                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | BCS2M42C00NA-1P               | -                     | 13.00 | 11.00 | 41,000                          | 30,800                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
|               | BCS2M42V00NA-1P               | -                     | 14.00 | 11.50 | 41,500                          | 31,100                  | 1400 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.076                     | A4TXV02         |
| 4SCU13LE148   | G2D80****V20C/E(U,C,M)1P50C   | -                     | 13.50 | 11.50 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
|               | G2D95****V16B/E(U,C,M)1P50C   | -                     | 13.50 | 11.50 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
|               | G2D95****V20C/E(U,C,M)1P50C   | -                     | 13.50 | 11.50 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
|               | EFV16CC/E(U,C,M)1P50C         | -                     | 13.50 | 11.50 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
|               | G2D80****V20D/E(U,C,M)1P62D   | -                     | 14.00 | 11.50 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
|               | G2D95****V20D/E(U,C)1P62D     | -                     | 14.00 | 11.50 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
|               | EFV20DC/E(U,C)1P62D           | -                     | 14.00 | 11.50 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
|               | BCS2M48C00NA-1P               | -                     | 13.00 | 11.00 | 47,000                          | 34,800                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
|               | BCS2M48V00NA-1P               | -                     | 14.00 | 11.50 | 47,500                          | 35,200                  | 1600 | 7/8                    | 3/8    | 7/8     | 3/8    | 7/8                   | 3/8    | 0.081                     | A4TXV02         |
| 4SCU13LE160   | G2D80****V20C/E(U,C,H)1P49C   | -                     | 13.50 | 11.00 | 58,000                          | 41,200                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |
|               | G2D80****V20D/E(U,C)1P62D     | -                     | 13.50 | 11.00 | 58,000                          | 41,200                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |
|               | G2D95****V20D/E(U,C)1P62D     | -                     | 13.50 | 11.00 | 58,000                          | 41,200                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |
|               | EFV20DC/E(U,C)1P62D           | -                     | 13.50 | 11.00 | 58,000                          | 41,200                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |
|               | BCS2M60C00NA-1P               | -                     | 13.00 | 11.00 | 58,000                          | 41,200                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |
|               | BCS2M60V00NA-1P               | -                     | 13.50 | 11.00 | 58,500                          | 41,500                  | 1800 | 7/8                    | 3/8    | 7/8     | 3/8    | 1-1/8                 | 3/8    | 0.090                     | H4TXV03         |

<sup>1</sup>Certified in accordance with Unitary Air Conditioner Certification Program, which is based on ARI Standard 210/240.

<sup>2</sup>Required to achieve ARI rating.

## Cooling Performance Extended Ratings

| Outdoor Model | Indoor Model  | Indoor Temp DB/WB °F | Outdoor Temp - DB°F |     |      |        |     |      |        |     |      |        |     |      |        |     |      |
|---------------|---|----------------------|---------------------|-----|------|--------|-----|------|--------|-----|------|--------|-----|------|--------|-----|------|
|               |   |                      | 65                  |     |      | 82     |     |      | 95     |     |      | 105    |     |      | 115    |     |      |
|               |   |                      | Btuh                | S/T | kW   | Btuh   | S/T | kW   | Btuh   | S/T | kW   | Btuh   | S/T | kW   | Btuh   | S/T | kW   |
| 4SCU13LE118   | E(U,C,M)1P19A   | 85/72                | 18,700              | .65 | 1.21 | 18,400 | .67 | 1.38 | 18,200 | .70 | 1.56 | 16,700 | .72 | 1.70 | 15,900 | .75 | 1.83 |
|               |   | 80/67                | 17,700              | .68 | 1.18 | 17,400 | .70 | 1.36 | 17,200 | .73 | 1.53 | 15,700 | .75 | 1.67 | 14,900 | .78 | 1.80 |
|               |   | 75/63                | 16,700              | .71 | 1.15 | 16,400 | .73 | 1.33 | 16,200 | .76 | 1.50 | 14,700 | .78 | 1.64 | 13,900 | .81 | 1.77 |
| 4SCU13LE124   | E(U,C,M)1P24A,B,C<br>E(U,C,M,H)1P23A,B                                      | 85/72                | 26,300              | .65 | 1.20 | 25,500 | .66 | 1.37 | 24,000 | .70 | 1.56 | 22,600 | .71 | 1.72 | 21,300 | .74 | 1.90 |
|               |   | 80/67                | 25,300              | .68 | 1.17 | 24,500 | .69 | 1.34 | 23,000 | .73 | 1.53 | 21,600 | .74 | 1.69 | 20,300 | .77 | 1.87 |
|               |   | 75/63                | 24,300              | .71 | 1.14 | 23,500 | .72 | 1.31 | 22,000 | .76 | 1.50 | 20,600 | .77 | 1.66 | 19,300 | .80 | 1.84 |
| 4SCU13LE130   | E(U,C,M)1P30A,B,C   | 85/72                | 32,300              | .66 | 1.17 | 30,400 | .69 | 1.38 | 29,200 | .70 | 1.56 | 27,400 | .72 | 1.72 | 25,300 | .77 | 1.90 |
|               |   | 80/67                | 31,300              | .69 | 1.14 | 29,400 | .72 | 1.35 | 28,200 | .73 | 1.53 | 26,400 | .75 | 1.69 | 24,300 | .80 | 1.87 |
|               |   | 75/63                | 30,300              | .72 | 1.11 | 28,400 | .75 | 1.32 | 27,200 | .76 | 1.50 | 25,400 | .78 | 1.66 | 23,300 | .83 | 1.84 |
| 4SCU13LE136   | E(U,C,M,H)1P36A,B,C<br>E(U,C,M)1P43B,C<br>E(U,C,M)1P50C                     | 85/72                | 39,500              | .67 | 1.17 | 37,200 | .69 | 1.36 | 35,800 | .70 | 1.56 | 34,400 | .72 | 1.73 | 32,500 | .75 | 1.97 |
|               |   | 80/67                | 38,500              | .70 | 1.14 | 36,600 | .72 | 1.33 | 34,800 | .73 | 1.53 | 33,400 | .75 | 1.70 | 31,500 | .78 | 1.94 |
|               |   | 75/63                | 37,500              | .73 | 1.11 | 35,600 | .75 | 1.30 | 33,800 | .76 | 1.50 | 32,400 | .78 | 1.67 | 30,500 | .81 | 1.91 |
| 4SCU13LE142   | E(U,C,M,H)1P43B,C<br>E(U,C,M)1P49C<br>E(U,C,M)1P50C                         | 85/72                | 46,400              | .68 | 1.25 | 44,500 | .69 | 1.40 | 42,000 | .70 | 1.56 | 39,200 | .72 | 1.70 | 38,100 | .73 | 1.88 |
|               |   | 80/67                | 45,400              | .71 | 1.22 | 43,500 | .72 | 1.37 | 41,000 | .73 | 1.53 | 38,200 | .75 | 1.67 | 37,100 | .76 | 1.85 |
|               |   | 75/63                | 44,400              | .74 | 1.19 | 42,500 | .75 | 1.34 | 40,000 | .76 | 1.50 | 37,200 | .78 | 1.64 | 36,100 | .79 | 1.82 |
| 4SCU13LE148   | E(U,C,M)1P50C<br>E(U,C,H)1P49C<br>E(U,C)1P60D<br>E(U,C)1P62C<br>E(U,C)1P62D | 85/72                | 54,800              | .66 | 1.21 | 51,500 | .69 | 1.40 | 49,000 | .70 | 1.56 | 47,500 | .71 | 1.67 | 45,300 | .73 | 1.85 |
|               |   | 80/67                | 52,800              | .69 | 1.18 | 49,500 | .72 | 1.37 | 47,000 | .73 | 1.53 | 45,500 | .74 | 1.64 | 43,300 | .76 | 1.82 |
|               |   | 75/63                | 50,800              | .72 | 1.15 | 47,500 | .75 | 1.34 | 45,000 | .76 | 1.50 | 43,500 | .77 | 1.61 | 41,300 | .79 | 1.79 |
| 4SCU13LE160   | E(U,C,H)1P49C   | 85/72                | 62,000              | .66 | 1.17 | 61,000 | .67 | 1.37 | 60,000 | .70 | 1.56 | 58,500 | .71 | 1.73 | 57,000 | .74 | 1.92 |
|               |   | 80/67                | 60,000              | .69 | 1.14 | 59,000 | .70 | 1.34 | 58,000 | .73 | 1.53 | 56,500 | .74 | 1.70 | 55,000 | .77 | 1.89 |
|               |   | 75/63                | 58,000              | .72 | 1.11 | 57,000 | .73 | 1.31 | 56,000 | .76 | 1.50 | 54,500 | .77 | 1.67 | 53,000 | .80 | 1.86 |

NOTE: M coils are in both painted and embossed metal cabinets - check the coil specification for specifics.

NOTE: H coils are available in embossed metal only.

## Accessories

| Kit Number | Description                    | Used with      |
|------------|--------------------------------|----------------|
| 40K58      | Blower Off Delay Kit           | All 4SCU13LE's |
| 69J03      | Compressor Sound Covers        | All 4SCU13LE's |
| 45F08      | Compressor Low Ambient Cut off | All 4SCU13LE's |
| 93G35      | Freezestats (3/8" tubing)      | All 4SCU13LE's |
| 50A93      | Freezestats (5/8" tubing)      | All 4SCU13LE's |
| 47J27      | Time off Control (A/C only)    | All 4SCU13LE's |
| 93M04      | Crank Case Heater - CCH        | 4SCU13LE18-36  |
| 93M05      | Crank Case Heater - CCH        | 4SCU13LE 42-60 |
| 10J42      | Hard Start Kit 1.5 - 3.5 ton   | 4SCU13LE18     |
| 88M91      | Hard Start Kit 4 - 5 ton       | 4SCU13LE24-60  |
| 34M72      | Low Ambient                    | All 4SCU13LE's |
| A4TXV01    | TXV Kit                        | 4SCU13LE18-30  |
| A4TXV02    | TXV Kit                        | 4SCU13LE18-36  |
| H4TXV03    | TXV Kit                        | 4SCU13LE60     |



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