



## R-SERIES NEXT-GEN MINICON



### 1/2 to 6 HP Air Cooled Condensing Units

#### Multi-Refrigerant

R448A, R404A, R407A, R407C, and R449A



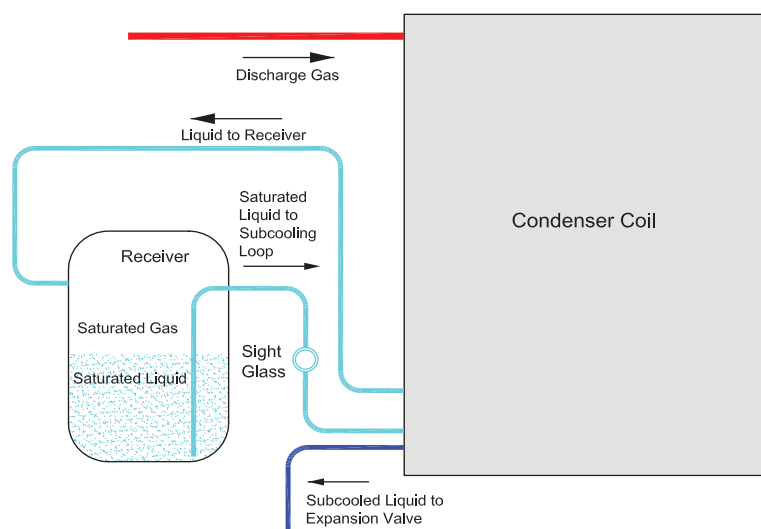
The Next-Gen MiniCon R-Series 1/2 through 6 HP condensing units are engineered with increased efficiency, more standard features, are easier to service, and have more cataloged options.

Next-Gen MiniCon's are suited for use in a variety of commercial applications such as cafeterias, convenience stores, restaurants and fast food outlets while providing the versatility to excel in a full array of other applications. Made from high quality materials that increase flexibility and greatly improve efficiency for even lower long-term operating costs.

The small profile product line is designed to utilize R448A or other refrigerants such as R404A, R407A, R407C, and R449A. Available with hermetic or scroll compressors, the standard Next-Gen R-Series is rated for operation in ambient air temperatures up to 110° F.

### INTEGRAL SUB-COOLING CIRCUIT

All Next-Gen MiniCon units feature an integral sub-cooling circuit that allows saturated liquid to flow from the receiver to the condenser where the refrigerant is sub-cooled by ambient air. This provides an average of 3 to 5° F of sub-cooling for higher efficiency while assuring optimal expansion device operation.



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● Standard    ○ Option    ⊖ Not Available

## STANDARD FEATURES & FACTORY INSTALLED OPTIONS

| OPTION DESCRIPTION                                                                                          | MEDIUM & LOW TEMPERATURE |
|-------------------------------------------------------------------------------------------------------------|--------------------------|
| Hermetic or Scroll Compressors                                                                              | ●                        |
| Generously sized high efficiency condenser, enhanced copper tubes/aluminum fins                             | ●                        |
| Suction line piping                                                                                         | ●                        |
| Larger electrical panel with hinged/removable door                                                          | ●                        |
| Crankcase Heater                                                                                            | ●                        |
| Fixed High/Adjustable Low-Pressure Control                                                                  | ●                        |
| Liquid Line with Components: Sealed Filter & Sight Glass                                                    | ●                        |
| All-weather galvanized steel painted housing                                                                | ●                        |
| Refrigerant receiver with isolation valve and pressure relief plug                                          | ●                        |
| Integral Liquid Sub-cooling Circuit                                                                         | ●                        |
| Quick access shut off valves                                                                                | ●                        |
| Easy access control panel door                                                                              | ●                        |
| Color-coded/numbered point-to-point wiring                                                                  | ●                        |
| Flooded head pressure control                                                                               | ● Flooded Models         |
| Mild ambient fan control                                                                                    | ● Non-Flooded Models     |
| Electronic defrost timer with defrost contactor/relay on low temperature standard models (2 evaps. maximum) | ●                        |
| EC Fan Motors on B Vintage Models                                                                           | ●                        |
| EC Fan Motors on A Vintage Models                                                                           | ○                        |
| Adjustable High/Adjustable Low-Pressure Control                                                             | ○                        |
| Liquid Line without Components: Pipe Only                                                                   | ○                        |
| Liquid Line with Premium Components: Replaceable Core Filter/Drier & Sight Glass                            | ○ FM4 Cabinet^           |
| Suction Line Components: Sealed Filter                                                                      | ○                        |
| Suction Line Components: Replaceable Core Filter                                                            | ○ FM4 Cabinet^           |
| Suction Line Accumulator                                                                                    | ○                        |
| Oil Separator                                                                                               | ○ FM4 Cabinet^           |
| Oversized Receiver                                                                                          | ○                        |
| Pump-Down Toggle Switch                                                                                     | ○                        |
| Heated & Insulated Receiver                                                                                 | ○                        |
| Phase Loss Monitor                                                                                          | ○                        |
| Thru-The-Door Non-Fused Disconnect Switch                                                                   | ○                        |
| Copper Fins or Electro Fin Coated Coil                                                                      | Contact Factory          |
| 316 Stainless Steel Cabinet                                                                                 | Contact Factory          |

^ See pages 21-22 for associated cabinet size drawings.

● Standard    ○ Option    ⊖ Not Available

FACTORY INSTALLED OPTIONS - COMMON DEFROST COMPONENTS

| OPTION DESCRIPTION           | MEDIUM TEMPERATURE | LOW TEMPERATURE |
|------------------------------|--------------------|-----------------|
| Electronic Air Defrost Timer | ●                  | ⊖               |
| Mechanical Air Defrost Timer | ○                  | ⊖               |
| Defrost Kit                  | ○                  | ● *             |

\* See Electrical Data Tables on pages 15-17 for Low Temperature Standard Defrost Kits and Medium Temperature Most Common Defrost Kits detail. Consult List Price Book for complete offering of Defrost Kit Options and Standard Defrost Component Deductions.

SHIPPED LOOSE ACCESSORIES

| OPTION DESCRIPTION                  | MEDIUM & LOW TEMPERATURE |
|-------------------------------------|--------------------------|
| External Fused Disconnect           | ○                        |
| Snow / Hail Guards                  | ○                        |
| Crankcase Pressure Regulating Valve | Contact Factory          |
| Two-Tiered Stacking Rack            | Contact Factory          |



Easy access / removable control panel door

Color-coded & numbered point-to-point wiring for easy maintenance

Quick access to shut-off valves from cabinet exterior



Replaceable core liquid and suction filters available as an option for 4 to 6 HP flooded and non-flooded models

## MODEL NOMENCLATURE

| CONFIGURABLE BASE MODEL |                                |                            |              |                                              |                                               |                                                                                                                                                     |                      | PRE-CONFIG. CODES <sup>3</sup>          |
|-------------------------|--------------------------------|----------------------------|--------------|----------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------|
| <b>R</b>                | <b>F</b>                       | <b>H</b>                   | <b>150</b>   | <b>E</b>                                     | <b>4S</b>                                     | <b>D</b>                                                                                                                                            | <b>A</b>             | <b>NT</b>                               |
| Brand                   | Style                          | Compressor Style           | Horsepower   | Temperature Range                            | Refrigerant                                   | Voltage                                                                                                                                             | Vintage <sup>2</sup> | Pre-Assembly Code                       |
| R - Russell             | F - Flooded<br>B - Non-Flooded | H - Hermetic<br>O - Scroll | 150 = 1.5 HP | E - Extended Medium<br>L - Low<br>M - Medium | 44 - R404A Only<br>4S - Multiple Refrigerants | D - 208-230/1/60<br>E - 208-230/3/60<br>G - 460/3/60<br>M - 200-220/1/50 <sup>1</sup><br>N - 200-220/3/50 <sup>1</sup><br>Q - 380/3/50 <sup>1</sup> | A<br>B               | NT - No Defrost Timer /Kit <sup>4</sup> |

1. 50 Hz available. Contact Electrical Tables for Specific Model Availability or Contact Factory for additional information.
2. A Vintage has standard PSC motor(s). B Vintage has standard High Efficiency motors. For specific model number vintages, please refer to the current Price Book or contact factory.
3. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables in the current Price Book or contact your local Russell sales representative.
4. "NT" Pre-Configuration Code is available on Flooded Models with 208-230/1/60 or 208-230/3/60 voltage.

**CAPACITY DATA (BTUH)****EXTENDED MEDIUM TEMPERATURE R404A HERMETIC // 60 HZ†**

R\*H055E4S and R\*H080E4S are not available for use with R404A.

| Model No.           |      |             | Comp.<br>Model No. | Suction Temperature (°F) |        |        |       |       |       |       |
|---------------------|------|-------------|--------------------|--------------------------|--------|--------|-------|-------|-------|-------|
|                     |      |             |                    | 30°                      | 25°    | 20°    | 10°   | 0°    | -10°  | -20°  |
| Ambient Temperature | 90°  | R*H100E4S** | RST70C1E           | 10,590                   | 9,570  | 8,610  | 6,820 | 5,250 | 3,920 | 2,830 |
|                     |      | R*H125E4S** | RST97C1E           | 14,260                   | 13,080 | 11,910 | 9,690 | 7,640 | 5,820 | 4,300 |
|                     | 95°  | R*H100E4S** | RST70C1E           | 10,090                   | 9,110  | 8,190  | 6,480 | 4,970 | 3,690 | 2,640 |
|                     |      | R*H125E4S** | RST97C1E           | 13,620                   | 12,470 | 11,350 | 9,200 | 7,230 | 5,470 | 4,020 |
|                     | 100° | R*H100E4S** | RST70C1E           | 9,580                    | 8,650  | 7,770  | 6,130 | 4,690 | 3,460 | 2,450 |
|                     |      | R*H125E4S** | RST97C1E           | 12,960                   | 11,860 | 10,780 | 8,710 | 6,810 | 5,120 | 3,730 |
|                     | 110° | R*H100E4S** | RST70C1E           | 8,550                    | 7,700  | 6,900  | 5,420 | 4,100 | 2,980 | 2,060 |
|                     |      | R*H125E4S** | RST97C1E           | 11,630                   | 10,610 | 9,610  | 7,710 | 5,960 | 4,420 | 3,140 |

**EXTENDED MEDIUM TEMPERATURE R407C HERMETIC - 60 HZ†**

R\*H055E4S, R\*H080E4S, R\*H150E4S\*\*, R\*H200E4S\*\*, R\*H250E4S\*\*, R\*H300E4S\*\* and R\*H325E4S\*\* are not available for use with R407C.

| Model No.           |      |             | Comp.<br>Model No. | Suction Temperature (°F) |        |        |       |       |       |       |
|---------------------|------|-------------|--------------------|--------------------------|--------|--------|-------|-------|-------|-------|
|                     |      |             |                    | 30°                      | 25°    | 20°    | 10°   | 0°    | -10°  | -20°  |
| Ambient Temperature | 90°  | R*H100E4S** | RST70C1E           | 10,150                   | 8,990  | 7,950  | 6,980 | 6,090 | 5,280 | 4,520 |
|                     |      | R*H125E4S** | RST97C1E           | 13,850                   | 12,350 | 10,970 | 9,710 | 8,550 | 7,470 | 6,450 |
|                     | 95°  | R*H100E4S** | RST70C1E           | 9,780                    | 8,660  | 7,650  | 6,710 | 5,860 | 5,070 | —     |
|                     |      | R*H125E4S** | RST97C1E           | 13,350                   | 11,890 | 10,560 | 9,340 | 8,210 | 7,160 | —     |
|                     | 100° | R*H100E4S** | RST70C1E           | 9,410                    | 8,330  | 7,360  | 6,460 | 5,620 | —     | —     |
|                     |      | R*H125E4S** | RST97C1E           | 12,860                   | 11,460 | 10,170 | 8,990 | 7,890 | —     | —     |
|                     | 110° | R*H100E4S** | RST70C1E           | 8,690                    | 7,680  | 6,770  | 5,930 | 5,160 | —     | —     |
|                     |      | R*H125E4S** | RST97C1E           | 11,300                   | 10,420 | 9,410  | 8,290 | 7,260 | —     | —     |

**EXTENDED MEDIUM TEMPERATURE R448A, R449A HERMETIC - 60 HZ†**

| Model No.           |      |             | Comp.<br>Model No. | Suction Temperature (°F) |        |        |       |       |       |       |
|---------------------|------|-------------|--------------------|--------------------------|--------|--------|-------|-------|-------|-------|
|                     |      |             |                    | 30°                      | 25°    | 20°    | 10°   | 0°    | -10°  | -20°  |
| Ambient Temperature | 90°  | R*H055E4S** | RST45C1E           | 6,890                    | 6,060  | 5,310  | 4,640 | 4,030 | 3,480 | 3,000 |
|                     |      | R*H080E4S** | RST55C1E           | 8,550                    | 7,460  | 6,480  | 5,590 | 4,800 | 4,100 | 3,490 |
|                     |      | R*H100E4S** | RST70C1E           | 9,970                    | 8,940  | 7,990  | 7,080 | 6,240 | 5,450 | 4,720 |
|                     |      | R*H125E4S** | RST97C1E           | 13,460                   | 12,240 | 11,060 | 9,930 | 8,860 | 7,840 | 6,870 |
|                     | 95°  | R*H055E4S** | RST45C1E           | 6,600                    | 5,800  | 5,080  | 4,420 | 3,840 | 3,320 | 2,850 |
|                     |      | R*H080E4S** | RST55C1E           | 8,160                    | 7,120  | 6,160  | 5,300 | 4,540 | 3,870 | 3,290 |
|                     |      | R*H100E4S** | RST70C1E           | 9,600                    | 8,600  | 7,680  | 6,810 | 5,990 | 5,230 | 4,520 |
|                     |      | R*H125E4S** | RST97C1E           | 12,990                   | 11,790 | 10,650 | 9,550 | 8,500 | 7,510 | 6,570 |
|                     | 100° | R*H055E4S** | RST45C1E           | 6,300                    | 5,540  | 4,840  | 4,220 | 3,650 | 3,150 | 2,700 |
|                     |      | R*H080E4S** | RST55C1E           | 7,800                    | 6,780  | 5,860  | 5,030 | 4,300 | 3,650 | 3,100 |
|                     |      | R*H100E4S** | RST70C1E           | 9,230                    | 8,280  | 7,380  | 6,540 | 5,740 | 5,000 | 4,310 |
|                     |      | R*H125E4S** | RST97C1E           | 12,520                   | 11,360 | 10,250 | 9,180 | 8,150 | 7,180 | 6,260 |
|                     | 110° | R*H055E4S** | RST45C1E           | 5,740                    | 5,040  | 4,390  | 3,810 | 3,290 | –     | –     |
|                     |      | R*H080E4S** | RST55C1E           | 7,100                    | 6,170  | 5,310  | 4,550 | 3,860 | –     | –     |
|                     |      | R*H100E4S** | RST70C1E           | 8,520                    | 7,620  | 6,790  | 5,990 | 5,250 | –     | –     |
|                     |      | R*H125E4S** | RST97C1E           | 11,620                   | 10,510 | 9,450  | 8,430 | 7,460 | –     | –     |

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power.

## CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R404A SCROLL // 60 HZ†

| Model No.                   |              | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |
|-----------------------------|--------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|
|                             |              |                    | 45°                      | 35°    | 25°    | 20°    | 0°     | -10°   | -20°   |
| Ambient Temperature<br>90°  | R*O060M4S**^ | ZB06KAE            | 11,130                   | 9,070  | 7,350  | 6,600  | 4,150  | —      | —      |
|                             | R*O080M4S**^ | ZB07KAE            | 13,770                   | 11,230 | 9,100  | 8,170  | 5,130  | —      | —      |
|                             | R*O100M4S**^ | ZB08KAE            | 15,730                   | 12,830 | 10,400 | 9,340  | 5,870  | —      | —      |
|                             | R*O130E4S**  | ZS09KAE            | 15,160                   | 13,430 | 11,130 | 10,110 | 6,690  | 5,330  | 4,210  |
|                             | R*O150E4S**  | ZS11KAE            | 20,650                   | 17,210 | 14,270 | 12,910 | 8,410  | 6,670  | 5,230  |
|                             | R*O180E4S**  | ZS13KAE            | 22,860                   | 19,050 | 15,990 | 14,490 | 9,500  | 7,560  | 5,950  |
|                             | R*O200E4S**  | ZS15KAE            | 29,910                   | 24,810 | 20,050 | 18,100 | 11,660 | 9,230  | 7,240  |
|                             | R*O250E4S**  | ZS19KAE            | 33,590                   | 27,960 | 21,960 | 19,880 | 12,930 | 10,250 | 8,050  |
|                             | R*O280E4S**  | ZS20KAE            | 38,050                   | 31,750 | 26,280 | 23,820 | 15,630 | 12,320 | 9,280  |
|                             | R*O300E4S**  | ZS21KAE            | 43,440                   | 36,150 | 30,480 | 27,480 | 17,700 | 13,980 | 10,940 |
|                             | R*O350E4S**  | ZS26KAE            | 48,350                   | 40,330 | 33,600 | 30,320 | 19,590 | 15,520 | 12,150 |
|                             | R*O400E4S**  | ZS29KAE            | 54,010                   | 45,140 | 37,710 | 34,070 | 22,120 | 17,560 | 13,790 |
| Ambient Temperature<br>95°  | R*O450E4S**  | ZS33KAE            | 60,720                   | 50,610 | 42,490 | 38,310 | 24,660 | 19,460 | 15,220 |
|                             | R*O500E4S**  | ZS38K4E            | 68,320                   | 56,840 | 46,660 | 42,420 | 28,260 | 22,680 | 17,950 |
|                             | R*O600E4S**  | ZS45K4E            | 80,860                   | 67,300 | 55,630 | 50,700 | 34,240 | 27,730 | 22,150 |
|                             | R*O060M4S**^ | ZB06KAE            | 10,570                   | 8,630  | 7,010  | 6,290  | 3,940  | —      | —      |
|                             | R*O080M4S**^ | ZB07KAE            | 13,080                   | 10,680 | 8,670  | 7,790  | 4,870  | —      | —      |
|                             | R*O100M4S**^ | ZB08KAE            | 14,950                   | 12,210 | 9,910  | 8,900  | 5,580  | —      | —      |
|                             | R*O130E4S**  | ZS09KAE            | 14,500                   | 12,850 | 10,640 | 9,670  | 6,400  | 5,110  | 4,040  |
|                             | R*O150E4S**  | ZS11KAE            | 19,800                   | 16,500 | 13,690 | 12,380 | 8,060  | 6,400  | 5,030  |
|                             | R*O180E4S**  | ZS13KAE            | 21,900                   | 18,250 | 15,320 | 13,880 | 9,100  | 7,250  | 5,710  |
|                             | R*O200E4S**  | ZS15KAE            | 28,700                   | 23,800 | 19,230 | 17,350 | 11,190 | 8,860  | 6,950  |
|                             | R*O250E4S**  | ZS19KAE            | 32,200                   | 26,800 | 21,060 | 19,060 | 12,400 | 9,830  | 7,730  |
|                             | R*O280E4S**  | ZS20KAE            | 36,460                   | 30,430 | 25,180 | 22,810 | 14,940 | 11,760 | 8,810  |
| Ambient Temperature<br>100° | R*O300E4S**  | ZS21KAE            | 41,700                   | 34,700 | 29,260 | 26,370 | 16,970 | 13,410 | 10,500 |
|                             | R*O350E4S**  | ZS26KAE            | 46,400                   | 38,700 | 32,240 | 29,080 | 18,790 | 14,890 | 11,670 |
|                             | R*O400E4S**  | ZS29KAE            | 51,800                   | 43,300 | 36,160 | 32,670 | 21,210 | 16,840 | 13,240 |
|                             | R*O450E4S**  | ZS33KAE            | 58,300                   | 48,600 | 40,790 | 36,760 | 23,650 | 18,670 | 14,620 |
|                             | R*O500E4S**  | ZS38K4E            | 65,500                   | 54,500 | 44,710 | 40,630 | 27,030 | 21,700 | 17,190 |
|                             | R*O600E4S**  | ZS45K4E            | 77,500                   | 64,500 | 53,280 | 48,530 | 32,730 | 26,520 | 21,230 |
|                             | R*O060M4S**^ | ZB06KAE            | —                        | 8,200  | 6,670  | 5,990  | 3,740  | —      | —      |
|                             | R*O080M4S**^ | ZB07KAE            | —                        | 10,150 | 8,250  | 7,420  | 4,630  | —      | —      |
|                             | R*O100M4S**^ | ZB08KAE            | —                        | 11,600 | 9,430  | 8,480  | 5,300  | —      | —      |
|                             | R*O130E4S**  | ZS09KAE            | —                        | 12,260 | 10,150 | 9,220  | 6,110  | 4,880  | 3,860  |
|                             | R*O150E4S**  | ZS11KAE            | —                        | 15,780 | 13,080 | 11,830 | 7,710  | 6,120  | 4,810  |
|                             | R*O180E4S**  | ZS13KAE            | —                        | 17,430 | 14,640 | 13,260 | 8,690  | 6,930  | 5,470  |
| Ambient Temperature<br>110° | R*O200E4S**  | ZS15KAE            | —                        | 22,760 | 18,400 | 16,600 | 10,700 | 8,480  | 6,660  |
|                             | R*O250E4S**  | ZS19KAE            | —                        | 25,630 | 20,130 | 18,220 | 11,860 | 9,410  | 7,400  |
|                             | R*O280E4S**  | ZS20KAE            | —                        | 29,080 | 24,050 | 21,800 | 14,250 | 11,200 | 8,350  |
|                             | R*O300E4S**  | ZS21KAE            | —                        | 33,220 | 28,000 | 25,240 | 16,230 | 12,830 | 10,060 |
|                             | R*O350E4S**  | ZS26KAE            | —                        | 37,050 | 30,850 | 27,830 | 17,970 | 14,240 | 11,180 |
|                             | R*O400E4S**  | ZS29KAE            | —                        | 41,420 | 34,580 | 31,240 | 20,270 | 16,110 | 12,680 |
|                             | R*O450E4S**  | ZS33KAE            | —                        | 46,540 | 39,050 | 35,190 | 22,630 | 17,870 | 14,010 |
|                             | R*O500E4S**  | ZS38K4E            | —                        | 52,120 | 42,740 | 38,820 | 25,790 | 20,700 | 16,410 |
|                             | R*O600E4S**  | ZS45K4E            | —                        | 61,650 | 50,900 | 46,350 | 31,220 | 25,300 | 20,290 |
|                             | R*O060M4S**^ | ZB06KAE            | —                        | 7,400  | 6,050  | 5,450  | 3,400  | —      | —      |
|                             | R*O080M4S**^ | ZB07KAE            | —                        | 9,150  | 7,480  | 6,740  | 4,210  | —      | —      |
|                             | R*O100M4S**^ | ZB08KAE            | —                        | 10,470 | 8,560  | 7,720  | 4,820  | —      | —      |
| Ambient Temperature<br>110° | R*O130E4S**  | ZS09KAE            | —                        | —      | 9,120  | 8,290  | 5,500  | 4,390  | 3,480  |
|                             | R*O150E4S**  | ZS11KAE            | —                        | 13,660 | 11,840 | 10,700 | 6,960  | 5,540  | 4,370  |
|                             | R*O180E4S**  | ZS13KAE            | —                        | 15,030 | 13,220 | 11,970 | 7,840  | 6,260  | 4,950  |
|                             | R*O200E4S**  | ZS15KAE            | —                        | 19,740 | 16,680 | 15,040 | 9,700  | 7,680  | 6,050  |
|                             | R*O250E4S**  | ZS19KAE            | —                        | 22,200 | 18,220 | 16,480 | 10,720 | 8,510  | 6,710  |
|                             | R*O280E4S**  | ZS20KAE            | —                        | 26,380 | 21,760 | 19,730 | 12,860 | 10,080 | 7,490  |
|                             | R*O300E4S**  | ZS21KAE            | —                        | 28,890 | 25,420 | 22,890 | 14,700 | 11,630 | 9,140  |
|                             | R*O350E4S**  | ZS26KAE            | —                        | 32,190 | 27,990 | 25,220 | 16,260 | 12,890 | 10,140 |
|                             | R*O400E4S**  | ZS29KAE            | —                        | 35,910 | 31,330 | 28,280 | 18,330 | 14,560 | 11,500 |
|                             | R*O450E4S**  | ZS33KAE            | —                        | 40,500 | 35,450 | 31,930 | 20,490 | 16,200 | 12,720 |
|                             | R*O500E4S**  | ZS38K4E            | —                        | 45,230 | 38,740 | 35,140 | 23,240 | 18,630 | 14,770 |
|                             | R*O600E4S**  | ZS45K4E            | —                        | 53,410 | 46,090 | 41,930 | 28,140 | 22,810 | 18,340 |

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power.

^Model available in medium temperature range only.

# CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R407A SCROLL // 60 HZ\*

|                             | Model No.    | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |        |
|-----------------------------|--------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|
|                             |              |                    | 45°                      | 35°    | 30°    | 25°    | 20°    | 0°     | -5°    | -10°   |
| Ambient Temperature<br>90°  | R*O060M4S**^ | ZB06KAE            | 10,370                   | 8,400  | 7,540  | 6,740  | 6,010  | 3,620  | —      | —      |
|                             | R*O080M4S**^ | ZB07KAE            | 12,640                   | 10,240 | 9,190  | 8,220  | 7,330  | 4,410  | —      | —      |
|                             | R*O100M4S**^ | ZB08KAE            | 14,790                   | 11,980 | 10,750 | 9,610  | 8,570  | 5,160  | —      | —      |
|                             | R*O130E4S**  | ZS09KAE            | 16,150                   | 13,120 | 11,650 | 10,590 | 9,610  | 6,380  | 5,700  | 5,070  |
|                             | R*O150E4S**  | ZS11KAE            | 19,970                   | 16,220 | 14,570 | 13,210 | 11,960 | 7,850  | 7,000  | 6,210  |
|                             | R*O180E4S**  | ZS13KAE            | 22,440                   | 18,270 | 16,420 | 14,900 | 13,510 | 8,920  | 7,960  | 7,070  |
|                             | R*O200E4S**  | ZS15KAE            | 27,410                   | 22,310 | 20,240 | 18,320 | 16,560 | 10,850 | 9,680  | 8,580  |
|                             | R*O250E4S**  | ZS19KAE            | 30,560                   | 24,830 | 22,610 | 20,490 | 18,540 | 12,180 | 10,870 | 9,640  |
|                             | R*O280E4S**  | ZS20KAE            | 36,640                   | 30,210 | 27,330 | 24,600 | 22,140 | 14,080 | 12,470 | 11,000 |
|                             | R*O300E4S**  | ZS21KAE            | 41,460                   | 33,750 | 30,570 | 27,640 | 24,960 | 16,290 | 14,520 | 12,860 |
|                             | R*O350E4S**  | ZS26KAE            | 46,680                   | 37,930 | 33,770 | 30,560 | 27,620 | 18,060 | 16,110 | 14,270 |
|                             | R*O400E4S**  | ZS29KAE            | 51,300                   | 41,700 | 37,530 | 33,990 | 30,740 | 20,160 | 17,990 | 15,950 |
| Ambient Temperature<br>95°  | R*O450E4S**  | ZS33KAE            | 59,050                   | 48,010 | 43,300 | 39,160 | 35,350 | 23,070 | 20,560 | 18,220 |
|                             | R*O500E4S**  | ZS38K4E            | 62,790                   | 52,670 | 48,900 | 44,200 | 39,700 | 25,620 | 22,960 | 20,430 |
|                             | R*O600E4S**  | ZS45K4E            | 71,990                   | 59,580 | 51,310 | 47,590 | 43,900 | 29,890 | 26,730 | 23,770 |
|                             | R*O060M4S**^ | ZB06KAE            | 10,010                   | 8,110  | 7,270  | 6,500  | 5,790  | 3,440  | —      | —      |
|                             | R*O080M4S**^ | ZB07KAE            | 12,210                   | 9,890  | 8,870  | 7,930  | 7,070  | 4,200  | —      | —      |
|                             | R*O100M4S**^ | ZB08KAE            | 14,280                   | 11,570 | 10,370 | 9,270  | 8,260  | 4,910  | —      | —      |
|                             | R*O130E4S**  | ZS09KAE            | 15,450                   | 12,550 | 11,230 | 10,220 | 9,270  | 6,140  | 5,490  | 4,880  |
|                             | R*O150E4S**  | ZS11KAE            | 19,150                   | 15,550 | 14,070 | 12,750 | 11,540 | 7,560  | 6,740  | 5,970  |
|                             | R*O180E4S**  | ZS13KAE            | 21,500                   | 17,500 | 15,850 | 14,390 | 13,040 | 8,590  | 7,670  | 6,800  |
|                             | R*O200E4S**  | ZS15KAE            | 26,300                   | 21,400 | 19,560 | 17,700 | 15,990 | 10,460 | 9,330  | 8,260  |
|                             | R*O250E4S**  | ZS19KAE            | 29,300                   | 23,800 | 21,850 | 19,800 | 17,900 | 11,740 | 10,470 | 9,280  |
|                             | R*O280E4S**  | ZS20KAE            | 35,450                   | 29,210 | 26,460 | 23,840 | 21,430 | 13,590 | 12,040 | 10,630 |
| Ambient Temperature<br>100° | R*O300E4S**  | ZS21KAE            | 39,800                   | 32,400 | 29,550 | 26,710 | 24,110 | 15,700 | 13,990 | 12,380 |
|                             | R*O350E4S**  | ZS26KAE            | 44,800                   | 36,400 | 32,640 | 29,520 | 26,670 | 17,410 | 15,510 | 13,740 |
|                             | R*O400E4S**  | ZS29KAE            | 49,200                   | 40,000 | 36,260 | 32,840 | 29,680 | 19,430 | 17,330 | 15,360 |
|                             | R*O450E4S**  | ZS33KAE            | 56,700                   | 46,100 | 41,850 | 37,840 | 34,150 | 22,240 | 19,810 | 17,540 |
|                             | R*O500E4S**  | ZS38K4E            | 60,200                   | 50,500 | 47,200 | 42,600 | 38,200 | 24,900 | 22,300 | 19,830 |
|                             | R*O600E4S**  | ZS45K4E            | 69,000                   | 57,100 | 50,080 | 46,430 | 42,810 | 29,100 | 26,010 | 23,120 |
|                             | R*O060M4S**^ | ZB06KAE            | —                        | 7,820  | 7,010  | 6,260  | 5,570  | 3,260  | —      | —      |
|                             | R*O080M4S**^ | ZB07KAE            | —                        | 9,540  | 8,550  | 7,640  | 6,800  | 3,980  | —      | —      |
|                             | R*O100M4S**^ | ZB08KAE            | —                        | 11,150 | 10,000 | 8,930  | 7,940  | 4,650  | —      | —      |
|                             | R*O130E4S**  | ZS09KAE            | —                        | 11,970 | 10,820 | 9,850  | 8,930  | 5,910  | 5,280  | 4,680  |
|                             | R*O150E4S**  | ZS11KAE            | —                        | 14,870 | 13,560 | 12,290 | 11,120 | 7,270  | 6,480  | 5,740  |
|                             | R*O180E4S**  | ZS13KAE            | —                        | 16,710 | 15,280 | 13,860 | 12,560 | 8,270  | 7,370  | 6,530  |
| Ambient Temperature<br>110° | R*O200E4S**  | ZS15KAE            | —                        | 20,460 | 18,880 | 17,080 | 15,420 | 10,070 | 8,970  | 7,940  |
|                             | R*O250E4S**  | ZS19KAE            | —                        | 22,760 | 21,080 | 19,100 | 17,260 | 11,300 | 10,080 | 8,920  |
|                             | R*O280E4S**  | ZS20KAE            | —                        | 28,210 | 25,510 | 22,930 | 20,640 | 13,100 | 11,610 | 10,260 |
|                             | R*O300E4S**  | ZS21KAE            | —                        | 31,020 | 28,510 | 25,760 | 23,250 | 15,110 | 13,460 | 11,900 |
|                             | R*O350E4S**  | ZS26KAE            | —                        | 34,850 | 31,490 | 28,470 | 25,720 | 16,750 | 14,920 | 13,200 |
|                             | R*O400E4S**  | ZS29KAE            | —                        | 38,270 | 34,970 | 31,660 | 28,610 | 18,710 | 16,670 | 14,760 |
|                             | R*O450E4S**  | ZS33KAE            | —                        | 44,150 | 40,390 | 36,500 | 32,940 | 21,400 | 19,050 | 16,860 |
|                             | R*O500E4S**  | ZS38K4E            | —                        | 48,300 | 45,600 | 41,100 | 36,800 | 24,150 | 21,620 | 19,220 |
|                             | R*O600E4S**  | ZS45K4E            | —                        | 54,580 | 48,840 | 45,270 | 41,720 | 28,310 | 25,280 | 22,450 |
|                             | R*O060M4S**^ | ZB06KAE            | —                        | 7,230  | 6,470  | 5,760  | 5,110  | 2,860  | —      | —      |
|                             | R*O080M4S**^ | ZB07KAE            | —                        | 8,810  | 7,890  | 7,030  | 6,230  | 3,490  | —      | —      |
|                             | R*O100M4S**^ | ZB08KAE            | —                        | 10,300 | 9,220  | 8,210  | 7,280  | 4,080  | —      | —      |
| Ambient Temperature<br>110° | R*O130E4S**  | ZS09KAE            | —                        | —      | 9,990  | 9,090  | 8,250  | 5,440  | —      | —      |
|                             | R*O150E4S**  | ZS11KAE            | —                        | 12,870 | 12,540 | 11,360 | 10,270 | 6,700  | —      | —      |
|                             | R*O180E4S**  | ZS13KAE            | —                        | 14,410 | 14,120 | 12,810 | 11,600 | 7,620  | —      | —      |
|                             | R*O200E4S**  | ZS15KAE            | —                        | 17,750 | 17,490 | 15,810 | 14,270 | 9,280  | —      | —      |
|                             | R*O250E4S**  | ZS19KAE            | —                        | 19,710 | 19,530 | 17,690 | 15,980 | 10,430 | —      | —      |
|                             | R*O280E4S**  | ZS20KAE            | —                        | 26,180 | 23,660 | 21,250 | 19,130 | 12,150 | —      | —      |
|                             | R*O300E4S**  | ZS21KAE            | —                        | 26,980 | 26,420 | 23,850 | 21,510 | 13,930 | —      | —      |
|                             | R*O350E4S**  | ZS26KAE            | —                        | 30,270 | 29,160 | 26,350 | 23,780 | 15,440 | —      | —      |
|                             | R*O400E4S**  | ZS29KAE            | —                        | 33,180 | 32,370 | 29,290 | 26,460 | 17,250 | —      | —      |
|                             | R*O450E4S**  | ZS33KAE            | —                        | 38,420 | 37,420 | 33,790 | 30,480 | 19,730 | —      | —      |
|                             | R*O500E4S**  | ZS38K4E            | —                        | 44,190 | 43,900 | 39,500 | 35,300 | 22,640 | —      | —      |
|                             | R*O600E4S**  | ZS45K4E            | —                        | 47,280 | 46,310 | 42,880 | 39,480 | 26,670 | —      | —      |

20° F Superheat Maximum

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power.

^Model available in medium temperature range only.

## CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R407C SCROLL // 60 HZ\*

| Model No.                   |              | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |        |
|-----------------------------|--------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|
|                             |              |                    | 45°                      | 35°    | 30°    | 25°    | 20°    | 0°     | -5°    | -10°   |
| Ambient Temperature<br>90°  | R*O060M4S**^ | ZB06KAE            | 10,250                   | 8,300  | 7,430  | 6,630  | 5,890  | 3,430  | -      | -      |
|                             | R*O080M4S**^ | ZB07KAE            | 12,200                   | 9,930  | 8,900  | 7,950  | 7,070  | 4,170  | -      | -      |
|                             | R*O100M4S**^ | ZB08KAE            | 14,200                   | 11,450 | 10,250 | 9,170  | 8,170  | 4,880  | -      | -      |
|                             | R*O130E4S**  | ZS09KAE            | 15,350                   | 12,700 | 11,150 | 10,120 | 9,130  | 5,520  | 4,690  | 3,890  |
|                             | R*O150E4S**  | ZS11KAE            | 18,980                   | 15,700 | 13,950 | 12,630 | 11,360 | 6,790  | 5,760  | 4,760  |
|                             | R*O180E4S**  | ZS13KAE            | 21,330                   | 17,680 | 15,720 | 14,240 | 12,840 | 7,720  | 6,550  | 5,420  |
|                             | R*O200E4S**  | ZS15KAE            | 26,050                   | 21,590 | 19,380 | 17,510 | 15,740 | 9,390  | 7,960  | 6,580  |
|                             | R*O250E4S**  | ZS19KAE            | 29,050                   | 24,030 | 21,650 | 19,590 | 17,620 | 10,540 | 8,940  | 7,390  |
|                             | R*O280E4S**  | ZS20KAE            | 33,430                   | 27,520 | 24,880 | 22,390 | 20,140 | 12,740 | 11,270 | 9,930  |
|                             | R*O300E4S**  | ZS21KAE            | 40,110                   | 33,250 | 29,790 | 26,900 | 24,140 | 14,350 | 12,150 | 10,030 |
|                             | R*O350E4S**  | ZS26KAE            | 44,680                   | 36,840 | 32,550 | 29,520 | 26,660 | 16,460 | 14,090 | 11,720 |
|                             | R*O400E4S**  | ZS29KAE            | 49,540                   | 41,010 | 36,510 | 33,020 | 29,680 | 17,730 | 15,030 | 12,420 |
| Ambient Temperature<br>95°  | R*O450E4S**  | ZS33KAE            | 55,630                   | 46,060 | 41,100 | 37,110 | 33,300 | 19,790 | 16,760 | 13,840 |
|                             | R*O500E4S**  | ZS38K4E            | 62,630                   | 52,540 | 48,780 | 44,090 | 39,600 | 25,560 | 22,900 | 20,380 |
|                             | R*O600E4S**  | ZS45K4E            | 71,810                   | 59,430 | 51,180 | 47,470 | 43,790 | 29,820 | 26,660 | 23,710 |
|                             | R*O060M4S**^ | ZB06KAE            | 9,910                    | 8,020  | 7,180  | 6,400  | 5,690  | 3,300  | -      | -      |
|                             | R*O080M4S**^ | ZB07KAE            | 11,750                   | 9,580  | 8,590  | 7,670  | 6,820  | 4,010  | -      | -      |
|                             | R*O100M4S**^ | ZB08KAE            | 13,650                   | 11,050 | 9,880  | 8,830  | 7,880  | 4,690  | -      | -      |
|                             | R*O130E4S**  | ZS09KAE            | 14,770                   | 12,240 | 10,830 | 9,850  | 8,880  | 5,330  | 4,500  | 3,700  |
|                             | R*O150E4S**  | ZS11KAE            | 18,300                   | 15,170 | 13,560 | 12,280 | 11,060 | 6,560  | 5,530  | 4,530  |
|                             | R*O180E4S**  | ZS13KAE            | 20,550                   | 17,070 | 15,280 | 13,860 | 12,490 | 7,450  | 6,290  | 5,150  |
|                             | R*O200E4S**  | ZS15KAE            | 25,140                   | 20,880 | 18,860 | 17,050 | 15,320 | 9,080  | 7,650  | 6,260  |
|                             | R*O250E4S**  | ZS19KAE            | 28,010                   | 23,220 | 21,060 | 19,080 | 17,150 | 10,190 | 8,590  | 7,030  |
|                             | R*O280E4S**  | ZS20KAE            | 32,400                   | 26,670 | 24,100 | 21,680 | 19,510 | 12,400 | 10,910 | 9,610  |
| Ambient Temperature<br>100° | R*O300E4S**  | ZS21KAE            | 38,720                   | 32,180 | 29,000 | 26,190 | 23,510 | 13,870 | 11,680 | 9,550  |
|                             | R*O350E4S**  | ZS26KAE            | 43,110                   | 35,610 | 31,650 | 28,700 | 25,920 | 15,880 | 13,510 | 11,150 |
|                             | R*O400E4S**  | ZS29KAE            | 47,790                   | 39,660 | 35,520 | 32,150 | 28,900 | 17,130 | 14,440 | 11,830 |
|                             | R*O450E4S**  | ZS33KAE            | 53,730                   | 44,590 | 40,000 | 36,140 | 32,430 | 19,130 | 16,110 | 13,180 |
|                             | R*O500E4S**  | ZS38K4E            | 60,050                   | 50,370 | 47,080 | 42,490 | 38,110 | 24,840 | 22,240 | 19,780 |
|                             | R*O600E4S**  | ZS45K4E            | 68,830                   | 56,960 | 49,960 | 46,310 | 42,700 | 29,030 | 25,950 | 23,060 |
|                             | R*O060M4S**^ | ZB06KAE            | -                        | 7,740  | 6,930  | 6,180  | 5,490  | 3,170  | -      | -      |
|                             | R*O080M4S**^ | ZB07KAE            | -                        | 9,230  | 8,280  | 7,400  | 6,580  | 3,850  | -      | -      |
|                             | R*O100M4S**^ | ZB08KAE            | -                        | 10,780 | 9,680  | 8,660  | 7,690  | 4,500  | -      | -      |
|                             | R*O130E4S**  | ZS09KAE            | -                        | 11,680 | 10,520 | 9,570  | 8,630  | 5,130  | 4,300  | 3,490  |
|                             | R*O150E4S**  | ZS11KAE            | -                        | 14,510 | 13,180 | 11,940 | 10,750 | 6,310  | 5,280  | 4,280  |
|                             | R*O180E4S**  | ZS13KAE            | -                        | 16,300 | 14,850 | 13,470 | 12,140 | 7,180  | 6,010  | 4,860  |
| Ambient Temperature<br>110° | R*O200E4S**  | ZS15KAE            | -                        | 19,970 | 18,350 | 16,600 | 14,900 | 8,740  | 7,310  | 5,910  |
|                             | R*O250E4S**  | ZS19KAE            | -                        | 22,210 | 20,490 | 18,560 | 16,680 | 9,810  | 8,210  | 6,640  |
|                             | R*O280E4S**  | ZS20KAE            | -                        | 25,810 | 23,350 | 20,980 | 18,880 | 11,940 | 10,570 | 9,300  |
|                             | R*O300E4S**  | ZS21KAE            | -                        | 30,800 | 28,200 | 25,480 | 22,870 | 13,350 | 11,170 | 9,020  |
|                             | R*O350E4S**  | ZS26KAE            | -                        | 34,090 | 30,740 | 27,880 | 25,170 | 15,270 | 12,900 | 10,520 |
|                             | R*O400E4S**  | ZS29KAE            | -                        | 37,940 | 34,540 | 31,260 | 28,100 | 16,500 | 13,810 | 11,170 |
|                             | R*O450E4S**  | ZS33KAE            | -                        | 42,700 | 38,910 | 35,160 | 31,560 | 18,410 | 15,390 | 12,450 |
|                             | R*O500E4S**  | ZS38K4E            | -                        | 48,180 | 45,490 | 41,000 | 36,710 | 24,090 | 21,570 | 19,170 |
|                             | R*O600E4S**  | ZS45K4E            | -                        | 54,440 | 48,720 | 45,160 | 41,620 | 28,240 | 25,220 | 22,390 |
|                             | R*O060M4S**^ | ZB06KAE            | -                        | 7,180  | 6,430  | 5,740  | 5,090  | 2,900  | -      | -      |
|                             | R*O080M4S**^ | ZB07KAE            | -                        | 8,540  | 7,670  | 6,860  | 6,110  | 3,540  | -      | -      |
|                             | R*O100M4S**^ | ZB08KAE            | -                        | 9,990  | 8,970  | 8,020  | 7,140  | 4,140  | -      | -      |
| Ambient Temperature<br>110° | R*O130E4S**  | ZS09KAE            | -                        | -      | 9,890  | 9,000  | 8,120  | 4,670  | -      | -      |
|                             | R*O150E4S**  | ZS11KAE            | -                        | 12,110 | 12,410 | 11,250 | 10,110 | 5,760  | -      | -      |
|                             | R*O180E4S**  | ZS13KAE            | -                        | 13,550 | 13,980 | 12,690 | 11,420 | 6,550  | -      | -      |
|                             | R*O200E4S**  | ZS15KAE            | -                        | 16,690 | 17,320 | 15,660 | 14,040 | 7,970  | -      | -      |
|                             | R*O250E4S**  | ZS19KAE            | -                        | 18,460 | 19,330 | 17,520 | 15,730 | 8,960  | -      | -      |
|                             | R*O280E4S**  | ZS20KAE            | -                        | 24,100 | 21,770 | 19,570 | 17,620 | 11,140 | -      | -      |
|                             | R*O300E4S**  | ZS21KAE            | -                        | 28,560 | 26,620 | 24,040 | 21,550 | 12,180 | -      | -      |
|                             | R*O350E4S**  | ZS26KAE            | -                        | 29,720 | 28,950 | 26,240 | 23,650 | 13,960 | -      | -      |
|                             | R*O400E4S**  | ZS29KAE            | -                        | 35,720 | 32,560 | 29,480 | 26,460 | 15,060 | -      | -      |
|                             | R*O450E4S**  | ZS33KAE            | -                        | 39,180 | 36,720 | 33,170 | 29,730 | 16,810 | -      | -      |
|                             | R*O500E4S**  | ZS38K4E            | -                        | 44,180 | 43,790 | 39,400 | 35,210 | 22,580 | -      | -      |
|                             | R*O600E4S**  | ZS45K4E            | -                        | 46,430 | 46,200 | 42,770 | 39,380 | 26,600 | -      | -      |

20° F Superheat Maximum

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power.

^Model available in medium temperature range only.

## CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R448A, R449A SCROLL // 60 HZ†

| Model No.                   |               | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |        |
|-----------------------------|---------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|
|                             |               |                    | 45°                      | 35°    | 30°    | 25°    | 20°    | 0°     | -5°    | -10°   |
| Ambient Temperature<br>90°  | R*O060M4S***^ | ZB06KAE            | 10,450                   | 8,490  | 7,620  | 6,830  | 6,090  | 3,680  | —      | —      |
|                             | R*O080M4S***^ | ZB07KAE            | 12,750                   | 10,360 | 9,300  | 8,330  | 7,430  | 4,490  | —      | —      |
|                             | R*O100M4S***^ | ZB08KAE            | 14,910                   | 12,110 | 10,880 | 9,740  | 8,690  | 5,250  | —      | —      |
|                             | R*O130E4S**   | ZS09KAE            | 15,870                   | 12,600 | 11,100 | 10,030 | 9,070  | 6,000  | 5,340  | 4,710  |
|                             | R*O150E4S**   | ZS11KAE            | 19,740                   | 15,670 | 13,960 | 12,580 | 11,350 | 7,420  | 6,600  | 5,800  |
|                             | R*O180E4S**   | ZS13KAE            | 22,150                   | 17,630 | 15,710 | 14,180 | 12,810 | 8,430  | 7,490  | 6,600  |
|                             | R*O200E4S**   | ZS15KAE            | 27,060                   | 21,530 | 19,370 | 17,440 | 15,700 | 10,250 | 9,120  | 8,010  |
|                             | R*O250E4S**   | ZS19KAE            | 30,050                   | 23,870 | 21,560 | 19,430 | 17,510 | 11,470 | 10,200 | 8,970  |
|                             | R*O280E4S**   | ZS20KAE            | 36,770                   | 30,440 | 27,600 | 24,950 | 22,460 | 14,400 | 12,790 | 11,310 |
|                             | R*O300E4S**   | ZS21KAE            | 42,610                   | 35,180 | 31,920 | 28,900 | 26,060 | 16,400 | 14,380 | 12,500 |
|                             | R*O350E4S**   | ZS26KAE            | 47,490                   | 38,490 | 34,140 | 30,840 | 27,810 | 18,070 | 16,200 | 14,140 |
|                             | R*O400E4S**   | ZS29KAE            | 53,710                   | 44,280 | 39,920 | 36,200 | 32,690 | 20,680 | 18,150 | 15,800 |
| Ambient Temperature<br>95°  | R*O450E4S**   | ZS33KAE            | 60,040                   | 49,500 | 44,720 | 40,500 | 36,510 | 22,980 | 20,150 | 17,520 |
|                             | R*O500E4S**   | ZS38K4E            | 64,350                   | 53,630 | 49,760 | 45,040 | 40,590 | 27,180 | 24,660 | 22,230 |
|                             | R*O600E4S**   | ZS45K4E            | 73,700                   | 60,600 | 52,450 | 48,680 | 45,020 | 31,600 | 28,610 | 25,790 |
|                             | R*O060M4S***^ | ZB06KAE            | 10,080                   | 8,190  | 7,350  | 6,580  | 5,860  | 3,500  | —      | —      |
|                             | R*O080M4S***^ | ZB07KAE            | 12,300                   | 9,990  | 8,960  | 8,020  | 7,150  | 4,270  | —      | —      |
|                             | R*O100M4S***^ | ZB08KAE            | 14,380                   | 11,680 | 10,480 | 9,380  | 8,360  | 4,990  | —      | —      |
|                             | R*O130E4S**   | ZS09KAE            | 15,210                   | 12,050 | 10,700 | 9,680  | 8,750  | 5,820  | 5,210  | 4,630  |
|                             | R*O150E4S**   | ZS11KAE            | 18,960                   | 15,020 | 13,480 | 12,140 | 10,950 | 7,210  | 6,440  | 5,690  |
|                             | R*O180E4S**   | ZS13KAE            | 21,260                   | 16,880 | 15,170 | 13,690 | 12,360 | 8,180  | 7,320  | 6,480  |
|                             | R*O200E4S**   | ZS15KAE            | 26,020                   | 20,650 | 18,730 | 16,840 | 15,160 | 9,960  | 8,910  | 7,870  |
|                             | R*O250E4S**   | ZS19KAE            | 28,880                   | 22,880 | 20,840 | 18,770 | 16,900 | 11,140 | 9,950  | 8,810  |
|                             | R*O280E4S**   | ZS20KAE            | 35,570                   | 29,420 | 26,680 | 24,100 | 21,720 | 13,920 | 12,530 | 10,930 |
| Ambient Temperature<br>100° | R*O300E4S**   | ZS21KAE            | 40,980                   | 33,840 | 30,910 | 27,960 | 25,190 | 15,690 | 13,700 | 11,830 |
|                             | R*O350E4S**   | ZS26KAE            | 45,770                   | 36,940 | 33,020 | 29,760 | 26,770 | 17,270 | 15,460 | 13,370 |
|                             | R*O400E4S**   | ZS29KAE            | 51,620                   | 42,560 | 38,640 | 35,030 | 31,590 | 19,790 | 17,290 | 14,950 |
|                             | R*O450E4S**   | ZS33KAE            | 57,760                   | 47,620 | 43,310 | 39,190 | 35,290 | 21,990 | 19,190 | 16,580 |
|                             | R*O500E4S**   | ZS38K4E            | 61,270                   | 51,090 | 47,730 | 43,160 | 38,850 | 26,370 | 23,930 | 21,570 |
|                             | R*O600E4S**   | ZS45K4E            | 70,140                   | 57,700 | 50,910 | 47,250 | 43,700 | 30,710 | 27,810 | 25,080 |
|                             | R*O060M4S***^ | ZB06KAE            | —                        | 7,880  | 7,070  | 6,320  | 5,630  | 3,310  | —      | —      |
|                             | R*O080M4S***^ | ZB07KAE            | —                        | 9,620  | 8,630  | 7,710  | 6,870  | 4,040  | —      | —      |
|                             | R*O100M4S***^ | ZB08KAE            | —                        | 11,240 | 10,090 | 9,020  | 8,030  | 4,720  | —      | —      |
|                             | R*O130E4S**   | ZS09KAE            | —                        | 11,460 | 10,290 | 9,310  | 8,400  | 5,630  | 5,070  | 4,520  |
|                             | R*O150E4S**   | ZS11KAE            | —                        | 14,320 | 12,970 | 11,680 | 10,530 | 6,970  | 6,250  | 5,570  |
|                             | R*O180E4S**   | ZS13KAE            | —                        | 16,080 | 14,600 | 13,150 | 11,870 | 7,920  | 7,110  | 6,330  |
| Ambient Temperature<br>110° | R*O200E4S**   | ZS15KAE            | —                        | 19,690 | 18,050 | 16,220 | 14,580 | 9,640  | 8,650  | 7,700  |
|                             | R*O250E4S**   | ZS19KAE            | —                        | 21,820 | 20,070 | 18,060 | 16,260 | 10,780 | 9,680  | 8,620  |
|                             | R*O280E4S**   | ZS20KAE            | —                        | 28,400 | 25,750 | 23,270 | 20,940 | 13,430 | 11,920 | 10,540 |
|                             | R*O300E4S**   | ZS21KAE            | —                        | 32,440 | 29,870 | 26,990 | 24,280 | 14,940 | 12,960 | 11,100 |
|                             | R*O350E4S**   | ZS26KAE            | —                        | 35,230 | 31,790 | 28,560 | 25,620 | 16,350 | 14,620 | 12,550 |
|                             | R*O400E4S**   | ZS29KAE            | —                        | 40,770 | 37,330 | 33,800 | 30,440 | 18,840 | 16,360 | 14,030 |
|                             | R*O450E4S**   | ZS33KAE            | —                        | 45,680 | 41,860 | 37,840 | 34,030 | 20,920 | 18,150 | 15,560 |
|                             | R*O500E4S**   | ZS38K4E            | —                        | 48,490 | 45,780 | 41,340 | 37,180 | 25,500 | 23,140 | 20,870 |
|                             | R*O600E4S**   | ZS45K4E            | —                        | 54,730 | 49,330 | 45,790 | 42,350 | 29,790 | 26,980 | 24,330 |
|                             | R*O060M4S***^ | ZB06KAE            | —                        | 7,260  | 6,500  | 5,800  | 5,140  | 2,910  | —      | —      |
|                             | R*O080M4S***^ | ZB07KAE            | —                        | 8,860  | 7,930  | 7,070  | 6,270  | 3,550  | —      | —      |
|                             | R*O100M4S***^ | ZB08KAE            | —                        | 10,360 | 9,270  | 8,270  | 7,330  | 4,150  | —      | —      |
| Ambient Temperature<br>110° | R*O130E4S**   | ZS09KAE            | —                        | —      | 9,390  | 8,460  | 7,640  | 5,160  | —      | —      |
|                             | R*O150E4S**   | ZS11KAE            | —                        | 12,180 | 11,850 | 10,630 | 9,560  | 6,390  | —      | —      |
|                             | R*O180E4S**   | ZS13KAE            | —                        | 13,630 | 13,330 | 11,980 | 10,790 | 7,250  | —      | —      |
|                             | R*O200E4S**   | ZS15KAE            | —                        | 16,790 | 16,510 | 14,790 | 13,270 | 8,840  | —      | —      |
|                             | R*O250E4S**   | ZS19KAE            | —                        | 18,570 | 18,370 | 16,480 | 14,800 | 9,890  | —      | —      |
|                             | R*O280E4S**   | ZS20KAE            | —                        | 26,360 | 23,870 | 21,570 | 19,380 | 12,430 | —      | —      |
|                             | R*O300E4S**   | ZS21KAE            | —                        | 28,220 | 27,700 | 24,950 | 22,340 | 13,250 | —      | —      |
|                             | R*O350E4S**   | ZS26KAE            | —                        | 29,840 | 28,860 | 25,710 | 22,850 | 14,040 | —      | —      |
|                             | R*O400E4S**   | ZS29KAE            | —                        | 35,360 | 34,570 | 31,210 | 28,000 | 16,710 | —      | —      |
|                             | R*O450E4S**   | ZS33KAE            | —                        | 39,760 | 38,810 | 34,960 | 31,320 | 18,560 | —      | —      |
|                             | R*O500E4S**   | ZS38K4E            | —                        | 42,350 | 41,920 | 36,460 | 34,000 | 23,650 | —      | —      |
|                             | R*O600E4S**   | ZS45K4E            | —                        | 46,550 | 46,050 | 42,720 | 39,510 | 27,820 | —      | —      |

20° F Superheat Maximum

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power.

^Model available in medium temperature range only.

**CAPACITY DATA (BTUH)**

LOW TEMPERATURE R404A SCROLL // 60 HZ†

| Model No.                   |             | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |        |
|-----------------------------|-------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|
|                             |             |                    | 0°                       | -5°    | -10°   | -15°   | -20°   | -25°   | -30°   | -40°   |
| Ambient Temperature<br>90°  | R*O100L4S** | ZF03KAE            | 4,950                    | 4,330  | 3,780  | 3,310  | 2,900  | 2,550  | 2,240  | 1,770  |
|                             | R*O130L4S** | ZF04KAE            | 6,850                    | 5,990  | 5,220  | 4,530  | 3,920  | 3,390  | 2,940  | 2,260  |
|                             | R*O160L4S** | ZF05KAE            | 8,200                    | 7,240  | 6,360  | 5,570  | 4,850  | 4,200  | 3,630  | 2,720  |
|                             | R*O230L4S** | ZF07KAE            | 12,800                   | 11,300 | 9,980  | 8,780  | 7,710  | 6,730  | 5,830  | 4,160  |
|                             | R*O250L4S** | ZF08K4E            | 14,770                   | 13,290 | 11,910 | 10,640 | 9,470  | 8,390  | 7,400  | 5,670  |
|                             | R*O300L4S** | ZF09K4E            | 16,190                   | 14,610 | 13,130 | 11,760 | 10,500 | 9,320  | 8,240  | 6,290  |
|                             | R*O350L4S** | ZF11K4E            | 19,400                   | 17,560 | 15,830 | 14,190 | 12,670 | 11,260 | 9,950  | 7,630  |
|                             | R*O400L4S** | ZF13K4E            | 23,970                   | 21,490 | 19,190 | 17,060 | 15,080 | 13,260 | 11,590 | 8,720  |
|                             | R*O500L4S** | ZF15K4E            | 28,630                   | 25,820 | 23,200 | 20,770 | 18,520 | 16,450 | 14,530 | 11,150 |
|                             | R*O600L4S** | ZF18K4E            | 32,720                   | 29,530 | 26,560 | 23,790 | 21,220 | 18,850 | 16,660 | 12,760 |
| Ambient Temperature<br>95°  | R*O100L4S** | ZF03KAE            | 4,710                    | 4,120  | 3,600  | 3,150  | 2,760  | 2,430  | 2,140  | 1,690  |
|                             | R*O130L4S** | ZF04KAE            | 6,530                    | 5,710  | 4,970  | 4,300  | 3,720  | 3,210  | 2,780  | 2,150  |
|                             | R*O160L4S** | ZF05KAE            | 7,820                    | 6,900  | 6,060  | 5,300  | 4,610  | 3,990  | 3,450  | 2,580  |
|                             | R*O230L4S** | ZF07KAE            | 12,200                   | 10,800 | 9,500  | 8,360  | 7,330  | 6,400  | 5,540  | 3,930  |
|                             | R*O250L4S** | ZF08K4E            | 14,130                   | 12,720 | 11,410 | 10,190 | 9,070  | 8,040  | 7,090  | 5,420  |
|                             | R*O300L4S** | ZF09K4E            | 15,480                   | 13,980 | 12,570 | 11,260 | 10,050 | 8,930  | 7,890  | 6,020  |
|                             | R*O350L4S** | ZF11K4E            | 18,530                   | 16,780 | 15,130 | 13,580 | 12,120 | 10,780 | 9,530  | 7,310  |
|                             | R*O400L4S** | ZF13K4E            | 22,930                   | 20,550 | 18,340 | 16,300 | 14,390 | 12,640 | 11,040 | 8,270  |
|                             | R*O500L4S** | ZF15K4E            | 27,350                   | 24,660 | 22,160 | 19,840 | 17,690 | 15,710 | 13,880 | 10,650 |
|                             | R*O600L4S** | ZF18K4E            | 31,310                   | 28,270 | 25,440 | 22,800 | 20,350 | 18,080 | 15,980 | 12,240 |
| Ambient Temperature<br>100° | R*O100L4S** | ZF03KAE            | 4,480                    | 3,910  | 3,410  | 2,990  | 2,620  | 2,310  | 2,040  | 1,610  |
|                             | R*O130L4S** | ZF04KAE            | 6,210                    | 5,420  | 4,710  | 4,070  | 3,520  | 3,040  | 2,630  | 2,040  |
|                             | R*O160L4S** | ZF05KAE            | 7,450                    | 6,570  | 5,760  | 5,020  | 4,360  | 3,770  | 3,260  | 2,430  |
|                             | R*O230L4S** | ZF07KAE            | 11,160                   | 10,250 | 9,010  | 7,930  | 6,950  | 6,060  | 5,240  | 3,690  |
|                             | R*O250L4S** | ZF08K4E            | 13,490                   | 12,140 | 10,890 | 9,730  | 8,660  | 7,670  | 6,760  | 5,160  |
|                             | R*O300L4S** | ZF09K4E            | 14,760                   | 13,340 | 11,990 | 10,750 | 9,590  | 8,520  | 7,530  | 5,740  |
|                             | R*O350L4S** | ZF11K4E            | 17,650                   | 15,980 | 14,410 | 12,940 | 11,560 | 10,280 | 9,090  | 6,980  |
|                             | R*O400L4S** | ZF13K4E            | 21,860                   | 19,590 | 17,480 | 15,520 | 13,700 | 12,020 | 10,480 | 7,830  |
|                             | R*O500L4S** | ZF15K4E            | 26,040                   | 23,480 | 21,100 | 18,890 | 16,850 | 14,960 | 13,220 | 10,150 |
|                             | R*O600L4S** | ZF18K4E            | 29,890                   | 27,000 | 24,300 | 21,790 | 19,450 | 17,290 | 15,280 | 11,710 |
| Ambient Temperature<br>110° | R*O100L4S** | ZF03KAE            | 4,000                    | 3,490  | 3,040  | 2,660  | 2,340  | 2,070  | 1,830  | 1,455  |
|                             | R*O130L4S** | ZF04KAE            | 5,560                    | 4,830  | 4,180  | 3,610  | 3,100  | 2,670  | 2,320  | 1,810  |
|                             | R*O160L4S** | ZF05KAE            | 6,690                    | 5,880  | 5,140  | 4,470  | 3,860  | 3,330  | 2,870  | 2,130  |
|                             | R*O230L4S** | ZF07KAE            | 10,350                   | 9,100  | 8,010  | 7,040  | 6,170  | 5,370  | 4,630  | 3,220  |
|                             | R*O250L4S** | ZF08K4E            | 12,150                   | 10,940 | 9,810  | 8,760  | 7,790  | 6,900  | 6,070  | 4,620  |
|                             | R*O300L4S** | ZF09K4E            | 13,300                   | 12,010 | 10,810 | 9,690  | 8,650  | 7,680  | 6,780  | 5,160  |
|                             | R*O350L4S** | ZF11K4E            | 15,820                   | 14,320 | 12,920 | 11,610 | 10,380 | 9,230  | 8,170  | 6,280  |
|                             | R*O400L4S** | ZF13K4E            | 19,670                   | 17,630 | 15,720 | 13,950 | 12,310 | 10,800 | 9,410  | 7,000  |
|                             | R*O500L4S** | ZF15K4E            | 23,360                   | 21,060 | 18,920 | 16,940 | 15,100 | 13,410 | 11,850 | 9,090  |
|                             | R*O600L4S** | ZF18K4E            | 26,990                   | 24,390 | 21,960 | 19,700 | 17,610 | 15,660 | 13,850 | 10,630 |

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power.

**CAPACITY DATA (BTUH)**

EXTENDED MEDIUM TEMPERATURE R407A SCROLL // 60 HZ†

| Model No.                   |             | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |        |
|-----------------------------|-------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|
|                             |             |                    | 0°                       | -5°    | -10°   | -15°   | -20°   | -25°   | -30°   | -40°   |
| Ambient Temperature<br>90°  | R*O100L4S** | ZF03KAE            | 4,170                    | 3,670  | 3,240  | 2,860  | 2,530  | 2,240  | 1,990  | 1,560  |
|                             | R*O130L4S** | ZF04KAE            | 5,880                    | 5,130  | 4,450  | 3,850  | 3,320  | 2,870  | 2,490  | 1,955  |
|                             | R*O160L4S** | ZF05KAE            | 6,980                    | 6,100  | 5,300  | 4,590  | 3,950  | 3,390  | 2,920  | 2,210  |
|                             | R*O230L4S** | ZF07KAE            | 10,800                   | 9,550  | 8,430  | 7,430  | 6,530  | 5,710  | 4,960  | 3,570  |
|                             | R*O250L4S** | ZF08K4E            | 12,820                   | 11,450 | 10,170 | 8,990  | 7,900  | 6,910  | 6,000  | 4,470  |
|                             | R*O300L4S** | ZF09K4E            | 14,170                   | 12,830 | 11,470 | 10,140 | 8,870  | 7,710  | 6,690  | 5,190  |
|                             | R*O350L4S** | ZF11K4E            | 17,510                   | 15,880 | 14,210 | 12,560 | 10,990 | 9,530  | 8,260  | 6,410  |
|                             | R*O400L4S** | ZF13K4E            | 20,980                   | 18,640 | 16,440 | 14,390 | 12,520 | 10,860 | 9,440  | 7,450  |
|                             | R*O500L4S** | ZF15K4E            | 25,620                   | 22,750 | 20,070 | 17,620 | 15,420 | 13,480 | 11,830 | 9,490  |
|                             | R*O600L4S** | ZF18K4E            | 30,490                   | 27,200 | 24,110 | 21,220 | 18,600 | 16,270 | 14,260 | 11,320 |
| Ambient Temperature<br>95°  | R*O100L4S** | ZF03KAE            | 4,000                    | 3,530  | 3,120  | 2,760  | 2,440  | 2,160  | 1,920  | 1,495  |
|                             | R*O130L4S** | ZF04KAE            | 5,640                    | 4,910  | 4,260  | 3,690  | 3,180  | 2,750  | 2,390  | 1,885  |
|                             | R*O160L4S** | ZF05KAE            | 6,700                    | 5,850  | 5,080  | 4,390  | 3,780  | 3,250  | 2,790  | 2,130  |
|                             | R*O230L4S** | ZF07KAE            | 10,400                   | 9,170  | 8,090  | 7,130  | 6,260  | 5,480  | 4,750  | 3,400  |
|                             | R*O250L4S** | ZF08K4E            | 12,390                   | 11,060 | 9,830  | 8,690  | 7,630  | 6,670  | 5,790  | 4,300  |
|                             | R*O300L4S** | ZF09K4E            | 13,700                   | 12,410 | 11,110 | 9,820  | 8,590  | 7,460  | 6,460  | 4,990  |
|                             | R*O350L4S** | ZF11K4E            | 16,920                   | 15,360 | 13,750 | 12,160 | 10,630 | 9,220  | 7,980  | 6,170  |
|                             | R*O400L4S** | ZF13K4E            | 20,300                   | 18,000 | 15,830 | 13,830 | 12,020 | 10,420 | 9,070  | 7,210  |
|                             | R*O500L4S** | ZF15K4E            | 24,790                   | 21,990 | 19,370 | 16,980 | 14,830 | 12,960 | 11,370 | 9,130  |
|                             | R*O600L4S** | ZF18K4E            | 29,540                   | 26,330 | 23,310 | 20,500 | 17,950 | 15,690 | 13,750 | 10,930 |
| Ambient Temperature<br>100° | R*O100L4S** | ZF03KAE            | 3,840                    | 3,390  | 3,000  | 2,660  | 2,360  | 2,090  | 1,855  | 1,440  |
|                             | R*O130L4S** | ZF04KAE            | 5,390                    | 4,700  | 4,070  | 3,520  | 3,030  | 2,620  | 2,280  | 1,810  |
|                             | R*O160L4S** | ZF05KAE            | 6,410                    | 5,590  | 4,850  | 4,190  | 3,600  | 3,100  | 2,670  | 2,050  |
|                             | R*O230L4S** | ZF07KAE            | 9,930                    | 8,770  | 7,730  | 6,810  | 5,980  | 5,230  | 4,530  | 3,220  |
|                             | R*O250L4S** | ZF08K4E            | 11,940                   | 10,660 | 9,470  | 8,370  | 7,350  | 6,420  | 5,570  | 4,130  |
|                             | R*O300L4S** | ZF09K4E            | 13,240                   | 12,000 | 10,740 | 9,500  | 8,310  | 7,220  | 6,240  | 4,800  |
|                             | R*O350L4S** | ZF11K4E            | 16,330                   | 14,830 | 13,290 | 11,750 | 10,280 | 8,920  | 7,710  | 5,930  |
|                             | R*O400L4S** | ZF13K4E            | 19,610                   | 17,340 | 15,220 | 13,270 | 11,510 | 9,980  | 8,690  | 6,960  |
|                             | R*O500L4S** | ZF15K4E            | 23,950                   | 21,200 | 18,650 | 16,320 | 14,230 | 12,410 | 10,880 | 8,740  |
|                             | R*O600L4S** | ZF18K4E            | 28,580                   | 25,440 | 22,500 | 19,770 | 17,290 | 15,100 | 13,230 | 10,530 |
| Ambient Temperature<br>110° | R*O100L4S** | ZF03KAE            | 3,540                    | 3,140  | 2,790  | 2,490  | 2,210  | 1,970  | 1,750  | 1,340  |
|                             | R*O130L4S** | ZF04KAE            | 4,890                    | 4,250  | 3,680  | 3,170  | 2,740  | 2,370  | 2,070  | 1,660  |
|                             | R*O160L4S** | ZF05KAE            | 5,840                    | 5,080  | 4,390  | 3,790  | 3,250  | 2,800  | 2,420  | 1,885  |
|                             | R*O230L4S** | ZF07KAE            | 8,980                    | 7,920  | 6,970  | 6,130  | 5,370  | 4,680  | 4,040  | 2,800  |
|                             | R*O250L4S** | ZF08K4E            | 11,010                   | 9,840  | 8,730  | 7,710  | 6,770  | 5,900  | 5,120  | 3,770  |
|                             | R*O300L4S** | ZF09K4E            | 12,310                   | 11,180 | 10,020 | 8,870  | 7,770  | 6,740  | 5,820  | 4,430  |
|                             | R*O350L4S** | ZF11K4E            | 15,130                   | 13,760 | 12,350 | 10,940 | 9,580  | 8,310  | 7,170  | 5,480  |
|                             | R*O400L4S** | ZF13K4E            | 18,150                   | 15,970 | 13,950 | 12,110 | 10,470 | 9,060  | 7,900  | 6,430  |
|                             | R*O500L4S** | ZF15K4E            | 22,180                   | 19,570 | 17,140 | 14,930 | 12,970 | 11,260 | 9,840  | 7,890  |
|                             | R*O600L4S** | ZF18K4E            | 26,600                   | 23,620 | 20,830 | 18,260 | 15,930 | 13,870 | 12,130 | 9,650  |

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power.

## CAPACITY DATA (BTUH)

LOW TEMPERATURE R407C SCROLL // 60 HZ†

| Model No.                   |             | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |        |
|-----------------------------|-------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|
|                             |             |                    | 0°                       | -5°    | -10°   | -15°   | -20°   | -25°   | -30°   | -40°   |
| Ambient Temperature<br>90°  | R*O100L4S** | ZF03KAE            | 3,940                    | 3,470  | 3,060  | 2,710  | 2,400  | 2,130  | 1,910  | 1,540  |
|                             | R*O130L4S** | ZF04KAE            | 5,480                    | 4,790  | 4,160  | 3,600  | 3,110  | 2,690  | 2,340  | 1,850  |
|                             | R*O160L4S** | ZF05KAE            | 6,540                    | 5,720  | 4,980  | 4,310  | 3,720  | 3,200  | 2,750  | 2,080  |
|                             | R*O230L4S** | ZF07KAE            | 9,930                    | 8,710  | 7,680  | 6,800  | 6,020  | 5,320  | 4,650  | 3,230  |
|                             | R*O250L4S** | ZF08K4E            | 12,220                   | 10,850 | 9,610  | 8,490  | 7,460  | 6,530  | 5,670  | 4,170  |
|                             | R*O300L4S** | ZF09K4E            | 13,500                   | 12,160 | 10,840 | 9,570  | 8,380  | 7,290  | 6,320  | 4,840  |
|                             | R*O350L4S** | ZF11K4E            | 16,600                   | 15,020 | 13,420 | 11,840 | 10,340 | 8,950  | 7,750  | 6,040  |
|                             | R*O400L4S** | ZF13K4E            | 19,620                   | 17,420 | 15,330 | 13,390 | 11,610 | 10,040 | 8,700  | 6,890  |
|                             | R*O500L4S** | ZF15K4E            | 23,910                   | 21,270 | 18,760 | 16,440 | 14,340 | 12,480 | 10,910 | 8,770  |
|                             | R*O600L4S** | ZF18K4E            | 28,450                   | 25,410 | 22,510 | 19,780 | 17,290 | 15,080 | 13,190 | 10,530 |
| Ambient Temperature<br>95°  | R*O100L4S** | ZF03KAE            | 3,790                    | 3,340  | 2,950  | 2,610  | 2,320  | 2,060  | 1,840  | 1,480  |
|                             | R*O130L4S** | ZF04KAE            | 5,280                    | 4,610  | 4,000  | 3,460  | 3,000  | 2,590  | 2,260  | 1,800  |
|                             | R*O160L4S** | ZF05KAE            | 6,300                    | 5,510  | 4,790  | 4,150  | 3,580  | 3,080  | 2,650  | 2,020  |
|                             | R*O230L4S** | ZF07KAE            | 9,560                    | 8,390  | 7,400  | 6,550  | 5,810  | 5,140  | 4,480  | 3,090  |
|                             | R*O250L4S** | ZF08K4E            | 11,810                   | 10,490 | 9,300  | 8,210  | 7,210  | 6,310  | 5,480  | 4,010  |
|                             | R*O300L4S** | ZF09K4E            | 13,060                   | 11,770 | 10,510 | 9,280  | 8,120  | 7,060  | 6,110  | 4,660  |
|                             | R*O350L4S** | ZF11K4E            | 16,050                   | 14,540 | 12,990 | 11,470 | 10,010 | 8,670  | 7,490  | 5,820  |
|                             | R*O400L4S** | ZF13K4E            | 19,000                   | 16,830 | 14,770 | 12,870 | 11,150 | 9,640  | 8,370  | 6,680  |
|                             | R*O500L4S** | ZF15K4E            | 23,160                   | 20,580 | 18,120 | 15,850 | 13,800 | 12,010 | 10,490 | 8,450  |
|                             | R*O600L4S** | ZF18K4E            | 27,590                   | 24,620 | 21,780 | 19,120 | 16,700 | 14,560 | 12,730 | 10,180 |
| Ambient Temperature<br>100° | R*O100L4S** | ZF03KAE            | 3,650                    | 3,220  | 2,840  | 2,520  | 2,230  | 1,990  | 1,780  | 1,430  |
|                             | R*O130L4S** | ZF04KAE            | 5,070                    | 4,420  | 3,840  | 3,320  | 2,880  | 2,490  | 2,180  | 1,750  |
|                             | R*O160L4S** | ZF05KAE            | 6,050                    | 5,290  | 4,600  | 3,980  | 3,430  | 2,950  | 2,550  | 1,950  |
|                             | R*O230L4S** | ZF07KAE            | 9,190                    | 8,060  | 7,120  | 6,310  | 5,600  | 4,950  | 4,320  | 2,960  |
|                             | R*O250L4S** | ZF08K4E            | 11,410                   | 10,130 | 8,970  | 7,920  | 6,960  | 6,090  | 5,290  | 3,870  |
|                             | R*O300L4S** | ZF09K4E            | 12,650                   | 11,400 | 10,170 | 8,990  | 7,870  | 6,850  | 5,920  | 4,500  |
|                             | R*O350L4S** | ZF11K4E            | 15,530                   | 14,070 | 12,580 | 11,100 | 9,690  | 8,390  | 7,250  | 5,600  |
|                             | R*O400L4S** | ZF13K4E            | 18,390                   | 16,240 | 14,230 | 12,370 | 10,700 | 9,240  | 8,030  | 6,460  |
|                             | R*O500L4S** | ZF15K4E            | 22,430                   | 19,880 | 17,490 | 15,270 | 13,270 | 11,520 | 10,060 | 8,110  |
|                             | R*O600L4S** | ZF18K4E            | 26,770                   | 23,840 | 21,070 | 18,480 | 16,120 | 14,040 | 12,280 | 9,840  |
| Ambient Temperature<br>110° | R*O100L4S** | ZF03KAE            | 3,360                    | 2,970  | 2,620  | 2,320  | 2,060  | 1,840  | 1,645  | 1,310  |
|                             | R*O130L4S** | ZF04KAE            | 4,640                    | 4,050  | 3,510  | 3,040  | 2,630  | 2,290  | 2,010  | 1,640  |
|                             | R*O160L4S** | ZF05KAE            | 5,560                    | 4,850  | 4,210  | 3,640  | 3,140  | 2,710  | 2,340  | 1,820  |
|                             | R*O230L4S** | ZF07KAE            | 8,430                    | 7,400  | 6,540  | 5,810  | 5,160  | 4,570  | 3,980  | 2,680  |
|                             | R*O250L4S** | ZF08K4E            | 10,560                   | 9,380  | 8,300  | 7,320  | 6,440  | 5,630  | 4,890  | 3,570  |
|                             | R*O300L4S** | ZF09K4E            | 11,810                   | 10,660 | 9,530  | 8,430  | 7,390  | 6,430  | 5,560  | 4,190  |
|                             | R*O350L4S** | ZF11K4E            | 14,480                   | 13,120 | 11,740 | 10,370 | 9,050  | 7,840  | 6,750  | 5,190  |
|                             | R*O400L4S** | ZF13K4E            | 17,100                   | 15,030 | 13,100 | 11,340 | 9,780  | 8,430  | 7,340  | 6,000  |
|                             | R*O500L4S** | ZF15K4E            | 20,880                   | 18,450 | 16,150 | 14,040 | 12,150 | 10,500 | 9,140  | 7,380  |
|                             | R*O600L4S** | ZF18K4E            | 25,050                   | 22,250 | 19,600 | 17,140 | 14,910 | 12,940 | 11,300 | 9,090  |

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power.

**CAPACITY DATA (BTUH)**

LOW TEMPERATURE R448A, R449A SCROLL // 60 HZ†

| Model No.                   |             | Comp.<br>Model No. | Suction Temperature (°F) |        |        |        |        |        |        |        |
|-----------------------------|-------------|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|
|                             |             |                    | 0°                       | -5°    | -10°   | -15°   | -20°   | -25°   | -30°   | -40°   |
| Ambient Temperature<br>90°  | R*O100L4S** | ZF03KAE            | 4,360                    | 3,850  | 3,400  | 3,010  | 2,670  | 2,370  | 2,100  | 1,620  |
|                             | R*O130L4S** | ZF04KAE            | 6,090                    | 5,340  | 4,670  | 4,060  | 3,520  | 3,040  | 2,640  | 2,030  |
|                             | R*O160L4S** | ZF05KAE            | 7,210                    | 6,350  | 5,570  | 4,850  | 4,210  | 3,630  | 3,130  | 2,330  |
|                             | R*O230L4S** | ZF07KAE            | 10,950                   | 9,640  | 8,500  | 7,500  | 6,620  | 5,830  | 5,100  | 3,750  |
|                             | R*O250L4S** | ZF08K4E            | 13,370                   | 11,930 | 10,590 | 9,360  | 8,240  | 7,220  | 6,270  | 4,660  |
|                             | R*O300L4S** | ZF09K4E            | 14,840                   | 13,280 | 11,830 | 10,500 | 9,270  | 8,160  | 7,160  | 5,400  |
|                             | R*O350L4S** | ZF11K4E            | 18,310                   | 16,420 | 14,640 | 12,990 | 11,490 | 10,090 | 8,850  | 6,690  |
|                             | R*O400L4S** | ZF13K4E            | 22,470                   | 19,930 | 17,610 | 15,470 | 13,530 | 11,780 | 10,230 | 7,740  |
|                             | R*O500L4S** | ZF15K4E            | 27,380                   | 24,340 | 21,540 | 19,000 | 16,700 | 14,640 | 12,810 | 9,830  |
|                             | R*O600L4S** | ZF18K4E            | 32,560                   | 29,050 | 25,830 | 22,850 | 20,140 | 17,690 | 15,490 | 11,790 |
| Ambient Temperature<br>95°  | R*O100L4S** | ZF03KAE            | 4,190                    | 3,710  | 3,280  | 2,910  | 2,580  | 2,290  | 2,020  | 1,550  |
|                             | R*O130L4S** | ZF04KAE            | 5,850                    | 5,130  | 4,480  | 3,900  | 3,380  | 2,920  | 2,540  | 1,970  |
|                             | R*O160L4S** | ZF05KAE            | 6,930                    | 6,100  | 5,340  | 4,650  | 4,030  | 3,480  | 3,000  | 2,240  |
|                             | R*O230L4S** | ZF07KAE            | 10,500                   | 9,260  | 8,170  | 7,210  | 6,370  | 5,610  | 4,910  | 3,600  |
|                             | R*O250L4S** | ZF08K4E            | 12,950                   | 11,550 | 10,260 | 9,080  | 7,980  | 6,990  | 6,070  | 4,500  |
|                             | R*O300L4S** | ZF09K4E            | 14,400                   | 12,870 | 11,480 | 10,180 | 9,000  | 7,920  | 6,940  | 5,230  |
|                             | R*O350L4S** | ZF11K4E            | 17,760                   | 15,920 | 14,200 | 12,610 | 11,140 | 9,800  | 8,580  | 6,490  |
|                             | R*O400L4S** | ZF13K4E            | 21,600                   | 19,150 | 16,890 | 14,840 | 12,990 | 11,330 | 9,870  | 7,550  |
|                             | R*O500L4S** | ZF15K4E            | 26,340                   | 23,420 | 20,720 | 18,280 | 16,070 | 14,120 | 12,380 | 9,560  |
|                             | R*O600L4S** | ZF18K4E            | 31,360                   | 27,990 | 24,890 | 22,040 | 19,440 | 17,110 | 15,020 | 11,520 |
| Ambient Temperature<br>100° | R*O100L4S** | ZF03KAE            | 4,030                    | 3,560  | 3,160  | 2,800  | 2,490  | 2,210  | 1,950  | 1,480  |
|                             | R*O130L4S** | ZF04KAE            | 5,610                    | 4,920  | 4,290  | 3,730  | 3,230  | 2,800  | 2,440  | 1,890  |
|                             | R*O160L4S** | ZF05KAE            | 6,650                    | 5,850  | 5,120  | 4,460  | 3,860  | 3,330  | 2,870  | 2,150  |
|                             | R*O230L4S** | ZF07KAE            | 10,100                   | 8,880  | 7,830  | 6,920  | 6,110  | 5,390  | 4,730  | 3,460  |
|                             | R*O250L4S** | ZF08K4E            | 12,520                   | 11,170 | 9,920  | 8,780  | 7,720  | 6,760  | 5,870  | 4,340  |
|                             | R*O300L4S** | ZF09K4E            | 13,950                   | 12,470 | 11,110 | 9,860  | 8,710  | 7,680  | 6,720  | 5,060  |
|                             | R*O350L4S** | ZF11K4E            | 17,190                   | 15,400 | 13,740 | 12,200 | 10,790 | 9,500  | 8,320  | 6,290  |
|                             | R*O400L4S** | ZF13K4E            | 20,710                   | 18,340 | 16,170 | 14,210 | 12,450 | 10,890 | 9,520  | 7,380  |
|                             | R*O500L4S** | ZF15K4E            | 25,260                   | 22,450 | 19,880 | 17,550 | 15,440 | 13,580 | 11,940 | 9,290  |
|                             | R*O600L4S** | ZF18K4E            | 30,130                   | 26,890 | 23,930 | 21,210 | 18,750 | 16,530 | 14,560 | 11,280 |
| Ambient Temperature<br>110° | R*O100L4S** | ZF03KAE            | 3,710                    | 3,290  | 2,920  | 2,580  | 2,290  | 2,030  | 1,790  | 1,340  |
|                             | R*O130L4S** | ZF04KAE            | 5,090                    | 4,460  | 3,890  | 3,380  | 2,930  | 2,540  | 2,210  | 1,740  |
|                             | R*O160L4S** | ZF05KAE            | 6,050                    | 5,310  | 4,640  | 4,030  | 3,490  | 3,010  | 2,590  | 1,950  |
|                             | R*O230L4S** | ZF07KAE            | 9,150                    | 8,060  | 7,110  | 6,290  | 5,560  | 4,910  | 4,310  | 3,150  |
|                             | R*O250L4S** | ZF08K4E            | 11,650                   | 10,410 | 9,250  | 8,190  | 7,210  | 6,310  | 5,490  | 4,030  |
|                             | R*O300L4S** | ZF09K4E            | 13,020                   | 11,640 | 10,360 | 9,200  | 8,150  | 7,180  | 6,290  | 4,730  |
|                             | R*O350L4S** | ZF11K4E            | 16,010                   | 14,330 | 12,780 | 11,360 | 10,050 | 8,860  | 7,760  | 5,860  |
|                             | R*O400L4S** | ZF13K4E            | 18,810                   | 16,640 | 14,690 | 12,940 | 11,380 | 10,030 | 8,880  | 7,140  |
|                             | R*O500L4S** | ZF15K4E            | 22,980                   | 20,440 | 18,120 | 16,030 | 14,170 | 12,520 | 11,100 | 8,830  |
|                             | R*O600L4S** | ZF18K4E            | 27,540                   | 24,620 | 21,950 | 19,540 | 17,370 | 15,410 | 13,700 | 10,880 |

\*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power.

**CAPACITY DATA (BTUH)**LOW TEMPERATURE R407C SCROLL // 60 HZ<sup>‡</sup>

| Model No.                           | Comp.<br>Model No. | Compressor |      | Cond.<br>Fan<br>FLA | Air Defrost/<br>No Defrost<br>Provisions |      | Max<br>Evap. Fan<br>Amps† | Max<br>Defrost<br>Amps† | Electric<br>Defrost |      | Electric<br>Defrost<br>Kit† |
|-------------------------------------|--------------------|------------|------|---------------------|------------------------------------------|------|---------------------------|-------------------------|---------------------|------|-----------------------------|
|                                     |                    | RLA        | LRA  |                     | MCA                                      | MOPD |                           |                         | MCA                 | MOPD |                             |
| 200-220V/1/50 Hz^                   |                    |            |      |                     |                                          |      |                           |                         |                     |      |                             |
| R*H055E4S**                         | RST45C1E           | 5.1        | 29.5 | 0.5                 | 15                                       | 15   | 4                         | 15                      | 19.8                | 20   | ED-5                        |
| R*H080E4S**                         | RST55C1E           | 6.3        | 37   | 0.5                 | 15                                       | 15   | 4                         | 15                      | 19.8                | 20   | ED-5                        |
| 208-230V/1/60 Hz                    |                    |            |      |                     |                                          |      |                           |                         |                     |      |                             |
| R*H055E4S**                         | RST45C1E           | 4.7        | 26.5 | 0.5                 | 15                                       | 15   | 4                         | 15                      | 19.8                | 20   | ED-5                        |
| R*H080E4S**                         | RST55C1E           | 6.1        | 33.7 | 0.5                 | 15                                       | 15   | 4                         | 15                      | 19.8                | 20   | ED-5                        |
| R*H100E4S**                         | RST70C1E           | 6.9        | 46   | 0.5                 | 15                                       | 15   | 4                         | 15                      | 19.8                | 20   | ED-5                        |
| R*H125E4S**                         | RST97C1E           | 9          | 51   | 0.5                 | 15                                       | 20   | 4                         | 15                      | 19.8                | 25   | ED-5                        |
| 208-230V/3/60 Hz, 200-220V/3/50 Hz‡ |                    |            |      |                     |                                          |      |                           |                         |                     |      |                             |
| R*H100E4S***^                       | RST70C1E           | 4.9        | 36   | 0.5                 | 15                                       | 15   | 4                         | 15                      | 19.8                | 20   | ED-5                        |
| R*H125E4S***^                       | RST97C1E           | 5.4        | 36   | 1                   | 15                                       | 15   | 6                         | 15                      | 19.8                | 20   | ED-5                        |

\* Each asterisk represents a variable character based upon model, refrigerant, voltage, and vintage ordered. See page 5 for nomenclature.

**RLA** = Rated Load Amps    **LRA** = Locked Rotor Amps    **MCA** = Minimum Circuit Ampacity    **MOPD** = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

† Maximum Evap. fan amps and maximum defrost amps are shown to provide ratings when electric defrost is required and is an optional feature. Maximum Amp value used to determine MOPD. Exceeding these values invalidates the listed MOPD and requires a revised calculation. Contact Application Engineering when amp draw requirements deviate from the chart values.

<sup>^</sup> R\*H100E4S and R\*H125E4S are not available in 200-220V/1/50 Hz.

<sup>^^</sup> R\*H100E4S and R\*H125E4S are not available in 200-220V/3/50 Hz.

<sup>‡</sup> R\*H055E4S, R\*H080E4S, and R\*H090E4S are not available in 208-230V/3/60 Hz.

\*\* R\*H055E4S, R\*H080E4S, R\*H100E4S, R\*H125E4S are not available in 460V/3/60 Hz.

## ELECTRICAL DATA // SCROLL

| Model No.                              |             | Comp. Model No. | Compressor |      | Cond. Fan FLA | Air Defrost/<br>No Defrost Provisions |      | Max Evap. Fan Amps† | Max Defrost Amps† | Electric Defrost |      | Electric Defrost Kit† |
|----------------------------------------|-------------|-----------------|------------|------|---------------|---------------------------------------|------|---------------------|-------------------|------------------|------|-----------------------|
|                                        |             |                 | RLA        | LRA  |               | MCA                                   | MOPD |                     |                   | MCA              | MOPD |                       |
| 200-220V/1/50 Hz^                      | R*O130E4S** | ZS09KAE         | 8          | 45   | 0.5           | 15                                    | 15   | 4                   | 15                | 19.8             | 20   | ED-5                  |
|                                        | R*O150E4S** | ZS11KAE         | 9.2        | 45   | 1             | 15                                    | 20   | 6                   | 20                | 26               | 30   | ED-6                  |
|                                        | R*O180E4S** | ZS13KAE         | 10.1       | 54   | 1             | 15                                    | 20   | 6                   | 20                | 26               | 30   | ED-6                  |
|                                        | R*O200E4S** | ZS15KAE         | 12.4       | 61   | 1             | 17.5                                  | 25   | 10                  | 25                | 32.3             | 35   | ED-7                  |
|                                        | R*O250E4S** | ZS19KAE         | 14.5       | 79   | 1             | 20.1                                  | 30   | 10                  | 25                | 32.3             | 40   | ED-7                  |
|                                        | R*O280E4S** | ZS20KAE         | 15.3       | 76.7 | 5.2           | 25.3                                  | 40   | 12                  | 30                | 38.5             | 50   | ED-10                 |
|                                        | R*O300E4S** | ZS21KAE         | 17.2       | 87   | 5.2           | 27.7                                  | 40   | 12                  | 30                | 39.7             | 50   | ED-10                 |
|                                        | R*O350E4S** | ZS26KAE         | 17.8       | 122  | 5.2           | 28.5                                  | 45   | 12                  | 30                | 40.5             | 50   | ED-10                 |
|                                        | R*O400E4S** | ZS29KAE         | 19.4       | 133  | 5.2           | 30.5                                  | 45   | 12                  | 30                | 42.5             | 60   | ED-10                 |
|                                        | R*O450E4S** | ZS33KAE         | 21.9       | 133  | 5.2           | 33.6                                  | 50   | 12                  | 30                | 45.6             | 60   | ED-10                 |
|                                        | R*O500E4S** | ZS38K4E         | 23.7       | 160  | 5.2           | 35.8                                  | 50   | 12                  | 30                | 47.8             | 70   | ED-10                 |
| 208-230V/1/60 Hz                       | R*O060M4S** | ZB06KAE         | 5.4        | 35.7 | 0.5           | 15                                    | 15   | 4                   | 15                | 19.8             | 20   | ED-5                  |
|                                        | R*O080M4S** | ZB07KAE         | 5.6        | 48   | 0.5           | 15                                    | 15   | 4                   | 15                | 19.8             | 20   | ED-5                  |
|                                        | R*O100M4S** | ZB08KAE         | 7.2        | 47.2 | 0.5           | 15                                    | 15   | 4                   | 15                | 19.8             | 20   | ED-5                  |
|                                        | R*O130E4S** | ZS09KAE         | 9          | 40.3 | 0.5           | 15                                    | 20   | 4                   | 15                | 19.8             | 25   | ED-5                  |
|                                        | R*O150E4S** | ZS11KAE         | 11.3       | 55   | 1             | 16.1                                  | 25   | 6                   | 20                | 26               | 30   | ED-6                  |
|                                        | R*O180E4S** | ZS13KAE         | 10.8       | 56   | 1             | 15.5                                  | 25   | 6                   | 20                | 26               | 30   | ED-6                  |
|                                        | R*O200E4S** | ZS15KAE         | 14.1       | 68   | 1             | 19.6                                  | 30   | 10                  | 25                | 32.3             | 40   | ED-7                  |
|                                        | R*O250E4S** | ZS19KAE         | 16.2       | 75   | 1             | 22.3                                  | 35   | 10                  | 25                | 32.3             | 45   | ED-7                  |
|                                        | R*O280E4S** | ZS20KAE         | 17.8       | 88   | 5.2           | 28.5                                  | 45   | 12                  | 30                | 40.5             | 50   | ED-10                 |
|                                        | R*O300E4S** | ZS21KAE         | 20.8       | 112  | 5.2           | 32.2                                  | 50   | 12                  | 30                | 44.2             | 60   | ED-10                 |
|                                        | R*O350E4S** | ZS26KAE         | 21.2       | 104  | 5.2           | 32.7                                  | 50   | 12                  | 30                | 44.7             | 60   | ED-10                 |
|                                        | R*O400E4S** | ZS29KAE         | 23.4       | 137  | 5.2           | 35.5                                  | 50   | 12                  | 30                | 47.5             | 70   | ED-10                 |
|                                        | R*O450E4S** | ZS33KAE         | 23         | 146  | 5.2           | 35                                    | 50   | 12                  | 30                | 47               | 70   | ED-10                 |
|                                        | R*O500E4S** | ZS38K4E         | 28.5       | 169  | 5.2           | 41.8                                  | 70   | 12                  | 30                | 53.8             | 80   | ED-10                 |
|                                        | R*O100L4S** | ZF03KAE         | 5.4        | 42.3 | 0.5           | 15                                    | 15   | 4                   | 15                | 19.8             | 20   | ED-5                  |
|                                        | R*O130L4S** | ZF04KAE         | 6.6        | 40.3 | 0.5           | 15                                    | 15   | 4                   | 15                | 19.8             | 20   | ED-5                  |
|                                        | R*O160L4S** | ZF05KAE         | 7.8        | 55   | 0.5           | 15                                    | 15   | 4                   | 15                | 19.8             | 20   | ED-5                  |
|                                        | R*O230L4S** | ZF07KAE         | 12.4       | 75   | 1             | 17.5                                  | 25   | 6                   | 25                | 32.3             | 35   | ED-7                  |
| 208-230V/1/60 Hz,<br>200-220V/1/50 Hz† | R*O250L4S** | ZF08K4E         | 14.7       | 73   | 1             | 20.4                                  | 35   | 10                  | 25                | 32.3             | 45   | ED-7                  |
|                                        | R*O300L4S** | ZF09K4E         | 12.8       | 88   | 1             | 18                                    | 30   | 10                  | 25                | 32.3             | 40   | ED-7                  |
|                                        | R*O350L4S** | ZF11K4E         | 16.3       | 109  | 1             | 22.4                                  | 35   | 10                  | 30                | 38.5             | 45   | ED-10                 |
|                                        | R*O400L4S** | ZF13K4E         | 22.4       | 129  | 5.2           | 34.2                                  | 50   | 12                  | 30                | 46.2             | 60   | ED-10                 |
|                                        | R*O500L4S** | ZF15K4E         | 24.7       | 169  | 5.2           | 37.1                                  | 60   | 12                  | 30                | 49.1             | 70   | ED-10                 |

See notes on next page.

## ELECTRICAL DATA // SCROLL

| Model No.                           |               | Comp. Model No. | Compressor |      | Cond. Fan FLA | Air Defrost/<br>No Defrost Provisions |      | Max Evap. Fan Amps <sup>†</sup> | Max Defrost Amps <sup>†</sup> | Electric Defrost |       | Electric Defrost Kit <sup>†</sup> |
|-------------------------------------|---------------|-----------------|------------|------|---------------|---------------------------------------|------|---------------------------------|-------------------------------|------------------|-------|-----------------------------------|
|                                     |               |                 | RLA        | LRA  |               | MCA                                   | MOPD |                                 |                               | MCA              | MOPD  |                                   |
| 208-230V/3/60 Hz, 200-220V/3/50 Hz‡ | R*O060M4S**   | ZB06KAE         | 4.3        | 37.8 | 0.5           | 15                                    | 15   | 4                               | 15                            | 19.8             | 20    | ED-5                              |
|                                     | R*O080M4S**   | ZB07KAE         | 4.7        | 37.8 | 0.5           | 15                                    | 15   | 4                               | 15                            | 19.8             | 20    | ED-5                              |
|                                     | R*O100M4S**   | ZB08KAE         | 4.7        | 37.8 | 0.5           | 15                                    | 15   | 4                               | 15                            | 19.8             | 20    | ED-5                              |
|                                     | R*O130E4S**   | ZS09KAE         | 7.2        | 55.4 | 0.5           | 15                                    | 15   | 4                               | 15                            | 19.8             | 20    | ED-5                              |
|                                     | R*O150E4S**   | ZS11KAE         | 9.3        | 58   | 1             | 15                                    | 20   | 6                               | 15                            | 19.8             | 25    | ED-5                              |
|                                     | R*O180E4S**   | ZS13KAE         | 8.7        | 58   | 1             | 15                                    | 20   | 6                               | 15                            | 19.8             | 25    | ED-5                              |
|                                     | R*O200E4S**   | ZS15KAE         | 9.6        | 58   | 1             | 15                                    | 20   | 10                              | 20                            | 26               | 30    | ED-6                              |
|                                     | R*O250E4S**   | ZS19KAE         | 12.3       | 73   | 1             | 17.4                                  | 25   | 10                              | 25                            | 32.3             | 35    | ED-7                              |
|                                     | R*O280E4S**   | ZS20KAE         | 10.8       | 76.9 | 5.2           | 19.7                                  | 30   | 12                              | 25                            | 32.3             | 40    | ED-7                              |
|                                     | R*O300E4S**   | ZS21KAE         | 13.7       | 93   | 5.2           | 23.3                                  | 35   | 12                              | 25                            | 35.3             | 45    | ED-7                              |
|                                     | R*O350E4S**   | ZS26KAE         | 13.9       | 93   | 5.2           | 23.6                                  | 35   | 12                              | 25                            | 35.6             | 45    | ED-7                              |
|                                     | R*O400E4S**   | ZS29KAE         | 18.4       | 114  | 5.2           | 29.2                                  | 45   | 12                              | 30                            | 41.2             | 50    | ED-11                             |
|                                     | R*O450E4S**   | ZS33KAE         | 20         | 114  | 5.2           | 31.2                                  | 50   | 12                              | 30                            | 43.2             | 60    | ED-11                             |
|                                     | R*O500E4S**   | ZS38K4E         | 19.2       | 123  | 5.2           | 30.2                                  | 45   | 12                              | 30                            | 42.2             | 60    | ED-11                             |
|                                     | R*O600E4S**   | ZS45K4E         | 21.5       | 156  | 5.2           | 33.1                                  | 50   | 12                              | 30                            | 45.1             | 60    | ED-11                             |
|                                     | R*O100L4S**   | ZF03KAE         | 3.7        | 31.7 | 0.5           | 15                                    | 15   | 4                               | 15                            | 19.8             | 20    | ED-5                              |
|                                     | R*O130L4S**   | ZF04KAE         | 6          | 55.4 | 0.5           | 15                                    | 15   | 4                               | 15                            | 19.8             | 20    | ED-5                              |
|                                     | R*O160L4S**   | ZF05KAE         | 6.6        | 58   | 0.5           | 15                                    | 15   | 4                               | 15                            | 19.8             | 20    | ED-5                              |
|                                     | R*O230L4S**   | ZF07KAE         | 7.8        | 58   | 1             | 15                                    | 15   | 6                               | 15                            | 19.8             | 25    | ED-5                              |
|                                     | R*O250L4S**   | ZF08K4E         | 8.7        | 63   | 1             | 15                                    | 20   | 10                              | 20                            | 26               | 30    | ED-6                              |
|                                     | R*O300L4S**   | ZF09K4E         | 8.7        | 83   | 1             | 15                                    | 20   | 10                              | 20                            | 26               | 30    | ED-6                              |
| R*O350L4S**                         | ZF11K4E       | 10.9            | 88         | 1    | 15.6          | 25                                    | 10   | 25                              | 32.3                          | 35               | ED-7  |                                   |
| R*O400L4S**                         | ZF13K4E       | 11.9            | 99         | 5.2  | 21.1          | 30                                    | 12   | 25                              | 33.1                          | 45               | ED-7  |                                   |
| R*O500L4S**                         | ZF15K4E       | 17              | 123        | 5.2  | 27.5          | 40                                    | 12   | 30                              | 39.5                          | 50               | ED-11 |                                   |
| R*O600L4S**                         | ZF18K4E       | 19.6            | 156        | 5.2  | 30.7          | 50                                    | 12   | 30                              | 42.7                          | 60               | ED-11 |                                   |
| 460V/3/60 Hz, 380V/3/50 Hz‡         | R*O130E4S**++ | ZS09KAE         | 3.4        | 27   | 0.4           | 15                                    | 15   | 2                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O150E4S**   | ZS11KAE         | 3.8        | 28   | 0.8           | 15                                    | 15   | 3                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O180E4S**   | ZS13KAE         | 4.3        | 29   | 0.8           | 15                                    | 15   | 3                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O200E4S**   | ZS15KAE         | 4.8        | 29   | 0.8           | 15                                    | 15   | 5                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O250E4S**   | ZS19KAE         | 5.8        | 38   | 0.8           | 15                                    | 15   | 5                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O280E4S**   | ZS20KAE         | 4.9        | 41.6 | 3.1           | 15                                    | 15   | 6                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O300E4S**   | ZS21KAE         | 6.2        | 48   | 3.1           | 15                                    | 15   | 6                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O350E4S**   | ZS26KAE         | 6.2        | 48   | 3.1           | 15                                    | 15   | 6                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O400E4S**   | ZS29KAE         | 8.4        | 58   | 3.1           | 15                                    | 20   | 6                               | 15                            | 20.6             | 25    | ED-17                             |
|                                     | R*O450E4S**   | ZS33KAE         | 9          | 52   | 3.1           | 15.4                                  | 20   | 6                               | 20                            | 26               | 30    | ED-18                             |
|                                     | R*O500E4S**   | ZS38K4E         | 8.7        | 62   | 3.1           | 15                                    | 20   | 6                               | 20                            | 26               | 30    | ED-18                             |
|                                     | R*O600E4S**   | ZS45K4E         | 8.3        | 75   | 3.1           | 15                                    | 20   | 6                               | 20                            | 26               | 30    | ED-18                             |
|                                     | R*O230L4S**   | ZF07KAE         | 3.6        | 28   | 0.8           | 15                                    | 15   | 3                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O250L4S**   | ZF08K4E         | 4.5        | 31   | 0.8           | 15                                    | 15   | 5                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O300L4S**   | ZF09K4E         | 4.5        | 39   | 0.8           | 15                                    | 15   | 5                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O350L4S**   | ZF11K4E         | 5.8        | 44   | 0.8           | 15                                    | 15   | 5                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O400L4S**   | ZF13K4E         | 6.4        | 49.5 | 3.1           | 15                                    | 15   | 6                               | 15                            | 19.8             | 20    | ED-17                             |
|                                     | R*O500L4S**   | ZF15K4E         | 8          | 62   | 3.1           | 15                                    | 20   | 6                               | 15                            | 20.1             | 25    | ED-17                             |
|                                     | R*O600L4S**   | ZF18K4E         | 8          | 62   | 3.1           | 15                                    | 20   | 6                               | 15                            | 20.1             | 25    | ED-17                             |

\* Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

RLA = Rated Load Amps LRA = Locked Rotor Amps MCA = Minimum Circuit Ampacity MOPD = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

† Maximum Evap. fan amps and maximum defrost amps are shown to provide ratings when electric defrost is required and is an optional feature.

Maximum Amp value used to determine MOPD. Exceeding these values invalidates the listed MOPD and requires a revised calculation.

Contact Application Engineering when amp draw requirements deviate from the chart values.

^ R\*O600L4S and R\*O600E4S are not available in 200-220V/1/50 Hz or 208-230V/1/60 Hz.

‡ R\*O060M4S\*\*, R\*O080M4S\*\*, R\*O100M4S\*\*, R\*O100L4S\*\*, R\*O130L4S\*\*, and R\*O160L4S\*\* are not available in 200-220V/1/50 Hz, 200-220V/3/50, 380V/3/50 Hz or 460V/3/60 Hz. R\*O230L4S\*\* is not available in 200-220V/1/50 Hz, 200-220V/3/50, or 380V/3/50 Hz.

++ RBO130E4S\*\* is not available in 460V.

## SPECIFICATIONS // ALL MODELS

| Model Data                                |                 |       | Connections (in.) |         | Pump Down Capacity (lbs) |           |           |                  |                    |           |           |                  |
|-------------------------------------------|-----------------|-------|-------------------|---------|--------------------------|-----------|-----------|------------------|--------------------|-----------|-----------|------------------|
| Model No.                                 | Comp. Model No. | HP    | Liquid            | Suction | Standard Receiver        |           |           |                  | Oversized Receiver |           |           |                  |
|                                           |                 |       |                   |         | 90% R404A                | 90% R407A | 90% R407C | 90% R448A, R449A | 90% R404A          | 90% R407A | 90% R407C | 90% R448A, R449A |
| Extended Medium Temperature Hermetic      |                 |       |                   |         |                          |           |           |                  |                    |           |           |                  |
| R*H055E4S**                               | RST45C1E        | 1/2   | 3/8               | 5/8     | —                        | —         | —         | 6.1              | —                  | —         | —         | 11.6             |
| R*H080E4S**                               | RST55C1E        | 3/4   | 3/8               | 5/8     | —                        | —         | —         | 6.1              | —                  | —         | —         | 11.6             |
| R*H100E4S**                               | RST70C1E        | 1     | 3/8               | 5/8     | 5.9                      | —         | 6.7       | 6.1              | 11.0               | —         | 12.7      | 11.6             |
| R*H125E4S**                               | RST97C1E        | 1-1/4 | 1/2               | 7/8     | 11.0                     | —         | 12.7      | 11.6             | 13.6               | —         | 15.7      | 14.3             |
| Medium/Extended Medium Temperature Scroll |                 |       |                   |         |                          |           |           |                  |                    |           |           |                  |
| R*O060M4S**                               | ZB06KAE         | 1/2   | 3/8               | 5/8     | 5.9                      | 6.4       | 6.7       | 6.1              | 11.0               | 12.1      | 12.7      | 11.6             |
| R*O080M4S**                               | ZB07KAE         | 3/4   | 3/8               | 5/8     | 5.9                      | 6.4       | 6.7       | 6.1              | 11.0               | 12.1      | 12.7      | 11.6             |
| R*O100M4S**                               | ZB08KAE         | 1     | 3/8               | 5/8     | 5.9                      | 6.4       | 6.7       | 6.1              | 11.0               | 12.1      | 12.7      | 11.6             |
| R*O130E4S**                               | ZS09KAE         | 1     | 3/8               | 5/8     | 5.9                      | 6.4       | 6.7       | 6.1              | 11.0               | 12.1      | 12.7      | 11.6             |
| R*O150E4S**                               | ZS11KAE         | 1-1/4 | 1/2               | 7/8     | 11.0                     | 12.1      | 12.7      | 11.6             | 13.6               | 15.0      | 15.7      | 14.3             |
| R*O180E4S**                               | ZS13KAE         | 1-1/2 | 1/2               | 7/8     | 11.0                     | 12.1      | 12.7      | 11.6             | 13.6               | 15.0      | 15.7      | 14.3             |
| R*O200E4S**                               | ZS15KAE         | 2     | 1/2               | 7/8     | 13.6                     | 15.0      | 15.7      | 14.3             | 20.9               | 23.1      | 24.1      | 22.0             |
| R*O250E4S**                               | ZS19KAE         | 2-1/2 | 1/2               | 7/8     | 13.6                     | 15.0      | 15.7      | 14.3             | 20.9               | 23.1      | 24.1      | 22.0             |
| R*O280E4S**                               | ZS20KAE         | 2-3/4 | 5/8               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| R*O300E4S**                               | ZS21KAE         | 3     | 5/8               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| R*O350E4S**                               | ZS26KAE         | 3-1/2 | 5/8               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| R*O400E4S**                               | ZS29KAE         | 4     | 5/8               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| R*O450E4S**                               | ZS33KAE         | 4-1/2 | 5/8               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| R*O500E4S**                               | ZS38K4E         | 5     | 5/8               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| R*O600E4S**                               | ZS45K4E         | 6     | 5/8               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| Low Temperature Scroll                    |                 |       |                   |         |                          |           |           |                  |                    |           |           |                  |
| R*O100L4S**                               | ZF03KAE         | 1     | 3/8               | 5/8     | 5.9                      | 6.4       | 6.7       | 6.1              | 11.0               | 12.1      | 12.7      | 11.6             |
| R*O130L4S**                               | ZF04KAE         | 1-1/3 | 3/8               | 5/8     | 5.9                      | 6.4       | 6.7       | 6.1              | 11.0               | 12.1      | 12.7      | 11.6             |
| R*O160L4S**                               | ZF05KAE         | 1-1/2 | 3/8               | 5/8     | 5.9                      | 6.4       | 6.7       | 6.1              | 11.0               | 12.1      | 12.7      | 11.6             |
| R*O230L4S**                               | ZF07KAE         | 2-1/3 | 3/8               | 7/8     | 11.0                     | 12.1      | 12.7      | 11.6             | 13.6               | 15.0      | 15.7      | 14.3             |
| R*O250L4S**                               | ZF08K4E         | 2-1/2 | 3/8               | 7/8     | 13.6                     | 15.0      | 15.7      | 14.3             | 20.9               | 23.1      | 24.1      | 22.0             |
| R*O300L4S**                               | ZF09K4E         | 3     | 3/8               | 7/8     | 13.6                     | 15.0      | 15.7      | 14.3             | 20.9               | 23.1      | 24.1      | 22.0             |
| R*O350L4S**                               | ZF11K4E         | 3-1/2 | 3/8               | 7/8     | 13.6                     | 15.0      | 15.7      | 14.3             | 20.9               | 23.1      | 24.1      | 22.0             |
| R*O400L4S**                               | ZF13K4E         | 4     | 1/2               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| R*O500L4S**                               | ZF15K4E         | 5     | 1/2               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |
| R*O600L4S**                               | ZF18K4E         | 6     | 1/2               | 1-1/8   | 28.0                     | 30.9      | 32.3      | 29.4             | 37.9               | 41.8      | 43.7      | 39.8             |

\*Each asterisk represents a variable character based upon model, refrigerant, voltage, and vintage ordered. See page 5 for nomenclature.

## SPECIFICATIONS // ALL MODELS

| Model Data                                |                    | Cabinet<br>Size†† | Fan Qty | Dimensions (in.) |        |        | Approx. Ship<br>WT. (lbs) | Sound<br>dBA† |
|-------------------------------------------|--------------------|-------------------|---------|------------------|--------|--------|---------------------------|---------------|
| Model No.                                 | Comp.<br>Model No. |                   |         | D                | W      | H      |                           |               |
| Extended Medium Temperature Hermetic      |                    |                   |         |                  |        |        |                           |               |
| R*H055E4S**                               | RST45C1E           | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 152                       | 68            |
| R*H080E4S**                               | RST55C1E           | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 156                       | 68            |
| R*H100E4S**                               | RST70C1E           | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 167                       | 68            |
| R*H125E4S**                               | RST97C1E           | FM2               | 2       | 28-1/4           | 39-7/8 | 18-3/4 | 195                       | 72            |
| Medium/Extended Medium Temperature Scroll |                    |                   |         |                  |        |        |                           |               |
| R*O060M4S**                               | ZB06KAE            | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 195                       | 70            |
| R*O080M4S**                               | ZB07KAE            | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 195                       | 70            |
| R*O100M4S**                               | ZB08KAE            | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 195                       | 70            |
| R*O130E4S**                               | ZS09KAE            | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 195                       | 70            |
| R*O150E4S**                               | ZS11KAE            | FM2               | 2       | 28-1/4           | 39-7/8 | 18-3/4 | 205                       | 71            |
| R*O180E4S**                               | ZS13KAE            | FM2               | 2       | 28-1/4           | 39-7/8 | 18-3/4 | 210                       | 71            |
| R*O200E4S**                               | ZS15KAE            | FM3               | 2       | 28-1/4           | 39-7/8 | 21-1/4 | 215                       | 71            |
| R*O250E4S**                               | ZS19KAE            | FM3               | 2       | 28-1/4           | 39-7/8 | 21-1/4 | 230                       | 72            |
| R*O280E4S**                               | ZS20KAE            | FM4               | 1       | 33               | 43-7/8 | 35     | 305                       | 72            |
| R*O300E4S**                               | ZS21KAE            | FM4               | 1       | 33               | 43-7/8 | 35     | 305                       | 72            |
| R*O350E4S**                               | ZS26KAE            | FM4               | 1       | 33               | 43-7/8 | 35     | 325                       | 72            |
| R*O400E4S**                               | ZS29KAE            | FM4               | 1       | 33               | 43-7/8 | 35     | 352                       | 74            |
| R*O450E4S**                               | ZS33KAE            | FM4               | 1       | 33               | 43-7/8 | 35     | 375                       | 74            |
| R*O500E4S**                               | ZS38K4E            | FM4               | 1       | 33               | 43-7/8 | 35     | 383                       | 74            |
| R*O600E4S**                               | ZS45K4E            | FM4               | 1       | 33               | 43-7/8 | 35     | 405                       | 76            |
| Low Temperature Scroll                    |                    |                   |         |                  |        |        |                           |               |
| R*O100L4S**                               | ZF03KAE            | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 195                       | 70            |
| R*O130L4S**                               | ZF04KAE            | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 195                       | 70            |
| R*O160L4S**                               | ZF05KAE            | FM1               | 1       | 28-1/4           | 27-7/8 | 18-3/4 | 195                       | 70            |
| R*O230L4S**                               | ZF07KAE            | FM2               | 2       | 28-1/4           | 39-7/8 | 18-3/4 | 230                       | 71            |
| R*O250L4S**                               | ZF08K4E            | FM3               | 2       | 28-1/4           | 39-7/8 | 21-1/4 | 240                       | 73            |
| R*O300L4S**                               | ZF09K4E            | FM3               | 2       | 28-1/4           | 39-7/8 | 21-1/4 | 245                       | 73            |
| R*O350L4S**                               | ZF11K4E            | FM3               | 2       | 28-1/4           | 39-7/8 | 21-1/4 | 255                       | 73            |
| R*O400L4S**                               | ZF13K4E            | FM4               | 1       | 33               | 43-7/8 | 35     | 352                       | 73            |
| R*O500L4S**                               | ZF15K4E            | FM4               | 1       | 33               | 43-7/8 | 35     | 367                       | 74            |
| R*O600L4S**                               | ZF18K4E            | FM4               | 1       | 33               | 43-7/8 | 35     | 383                       | 76            |

\*Each asterisk represents a variable character based upon model, refrigerant, voltage, and vintage ordered. See page 5 for nomenclature.

†Estimated dBA values at 10 feet from the unit. Correction factors: Deduct 6 dBA for 20 to 40 feet, 12 dBA @ 40 to 60 feet. Ratings at the outlet of the discharge air. The actual measurements may vary depending upon installation variables. Environmental factors may have a significant influence on this data.

††See pages 21-22 for associated drawings.

**SPECIFICATIONS // ALL MODELS****DEPARTMENT OF ENERGY ANNUAL WALK-IN ENERGY FACTOR (AWEF) RATINGS**

| Base Model No.                              | Cabinet Size <sup>††</sup> | AWEF  |       |       |       |       |
|---------------------------------------------|----------------------------|-------|-------|-------|-------|-------|
|                                             |                            | R404A | R407A | R407C | R448A | R449A |
| Hermetic Extended Medium Temperature Models |                            |       |       |       |       |       |
| R*H055E4S**                                 | FM1                        | –     | –     | –     | 7.60  | 7.60  |
| R*H080E4S**                                 | FM1                        | –     | –     | –     | 7.60  | 7.60  |
| R*H100E4S**                                 | FM1                        | 7.60  | –     | 7.60  | 7.60  | 7.60  |
| R*H125E4S**                                 | FM2                        | 7.60  | –     | 7.60  | 7.60  | 7.60  |
| Scroll Extended Medium Temperature Models   |                            |       |       |       |       |       |
| R*O060M4S**                                 | FM1                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O080M4S**                                 | FM1                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O100M4S**                                 | FM1                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O130E4S**                                 | FM1                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O150E4S**                                 | FM2                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O180E4S**                                 | FM2                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O200E4S**                                 | FM3                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O250E4S**                                 | FM3                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O280E4S**                                 | FM4                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O300E4S**                                 | FM4                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O350E4S**                                 | FM4                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O400E4S**                                 | FM4                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O450E4S**                                 | FM4                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O500E4S**                                 | FM4                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |
| R*O600E4S**                                 | FM4                        | 7.60  | 7.60  | 7.60  | 7.60  | 7.60  |

If the medium temperature model has a numerical value in the table above, the following statement applies: "This refrigeration system is designed and certified for use in walk-in cooler applications."

|                                      |     |      |      |      |      |      |
|--------------------------------------|-----|------|------|------|------|------|
| <b>Scroll Low Temperature Models</b> |     |      |      |      |      |      |
| R*O100L4S**                          | FM1 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 |
| R*O130L4S**                          | FM1 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 |
| R*O160L4S**                          | FM1 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| R*O230L4S**                          | FM2 | 3.14 | 3.14 | 3.14 | 3.14 | 3.14 |
| R*O250L4S**                          | FM3 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| R*O300L4S**                          | FM3 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| R*O350L4S**                          | FM3 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| R*O400L4S**                          | FM4 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| R*O500L4S**                          | FM4 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |
| R*O600L4S**                          | FM4 | 3.15 | 3.15 | 3.15 | 3.15 | 3.15 |

If the low temperature model has a numerical value in the table above, the following statement applies: "This refrigeration system is designed and certified for use in walk-in freezer applications."

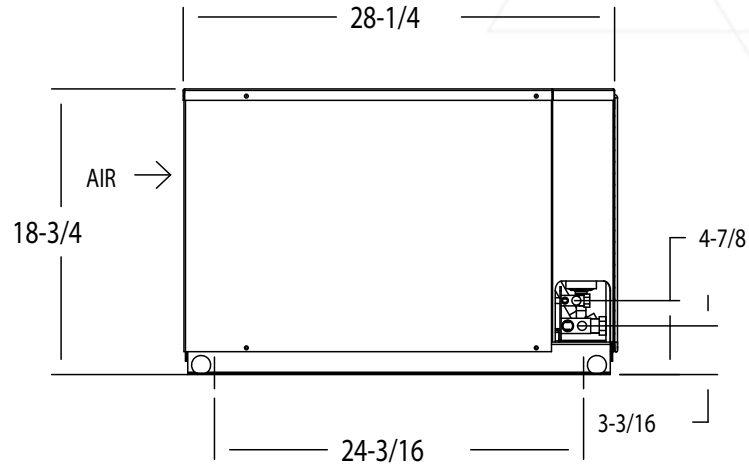
\*Each asterisk represents a variable character based upon model, refrigerant, voltage, and vintage ordered. See page 5 for nomenclature.

††See pages 21-22 for associated drawings.

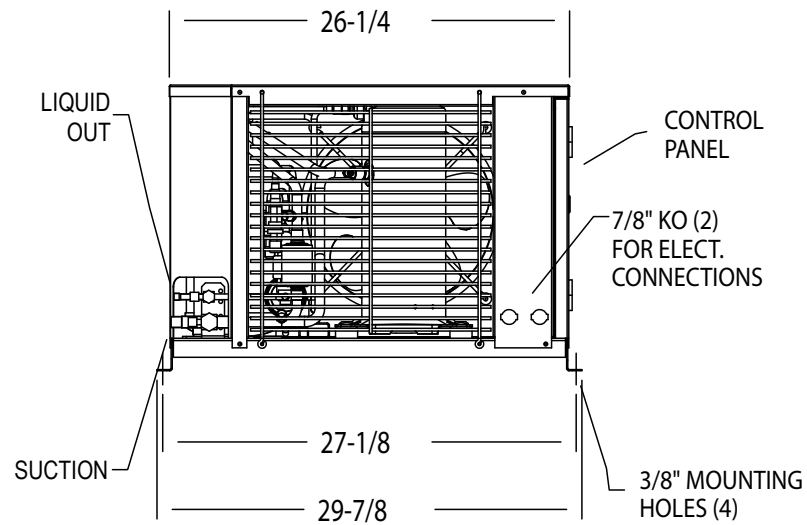
## PHYSICAL DIMENSIONS

## Cabinet Size FM1

Depth View



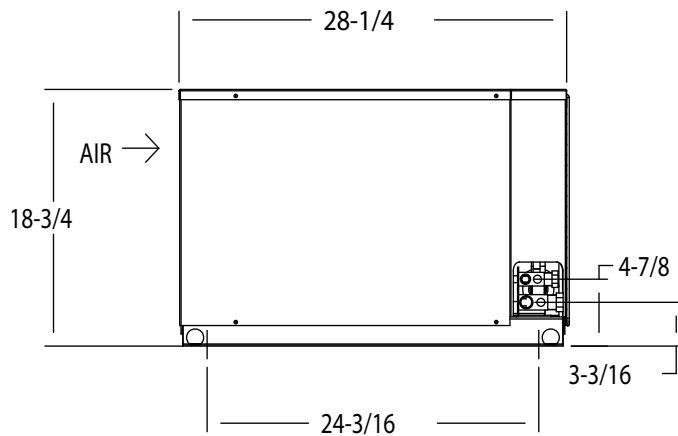
Width View



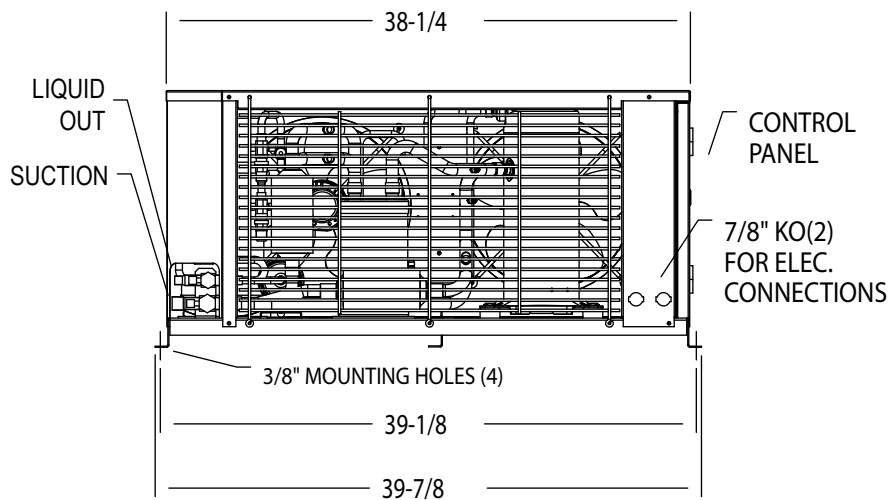
## PHYSICAL DIMENSIONS

### Cabinet Size FM2

Depth View



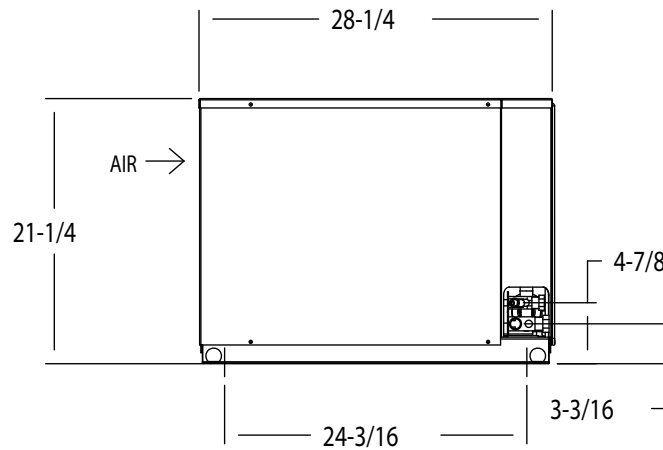
Width View



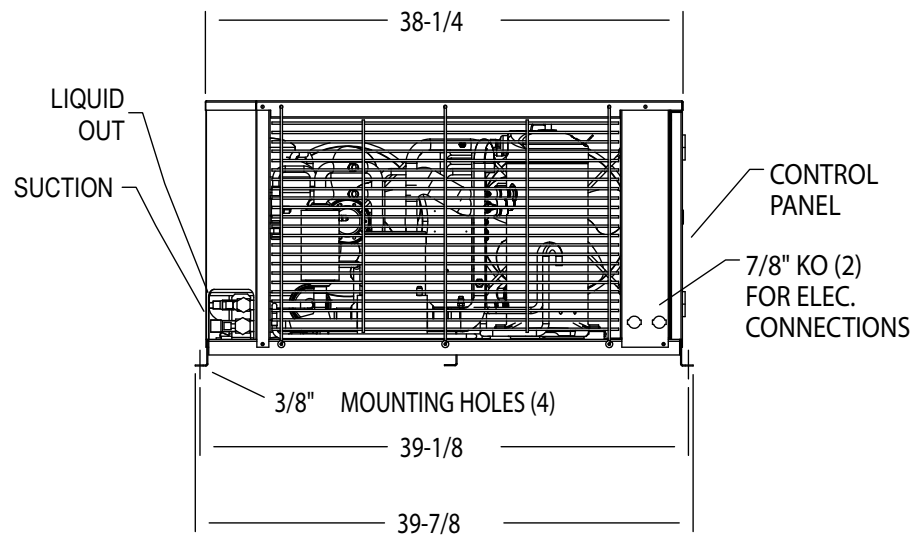
## PHYSICAL DIMENSIONS

## Cabinet Size FM3

Depth View



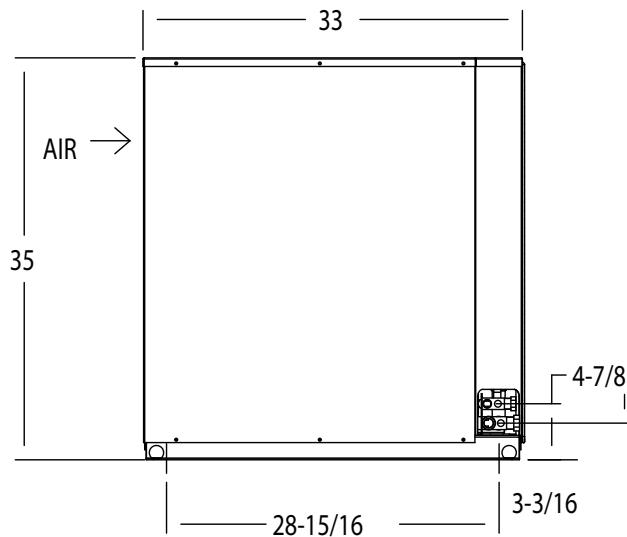
Width View



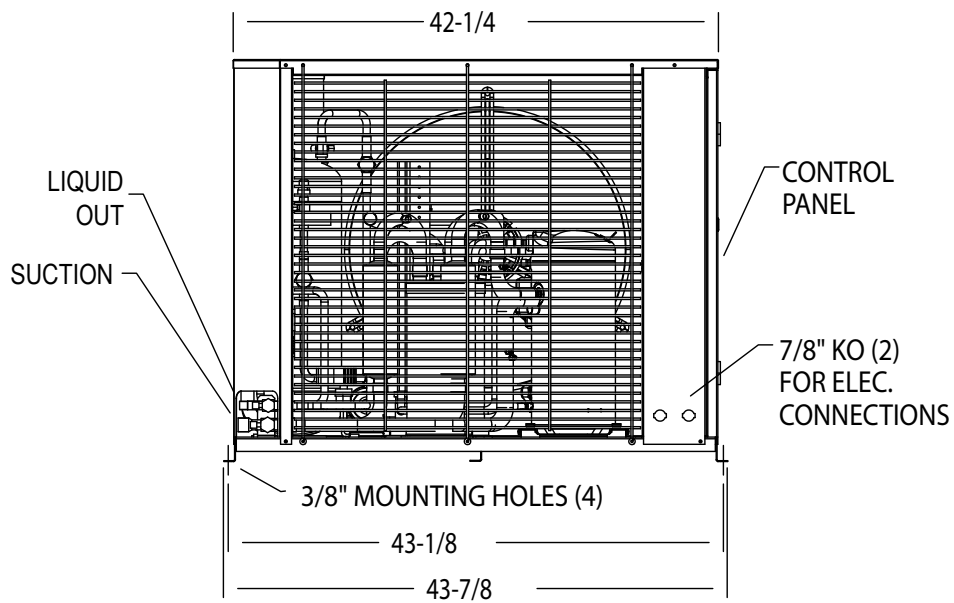
## PHYSICAL DIMENSIONS

### Cabinet Size FM4

Depth View



Width View











***Russell***

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