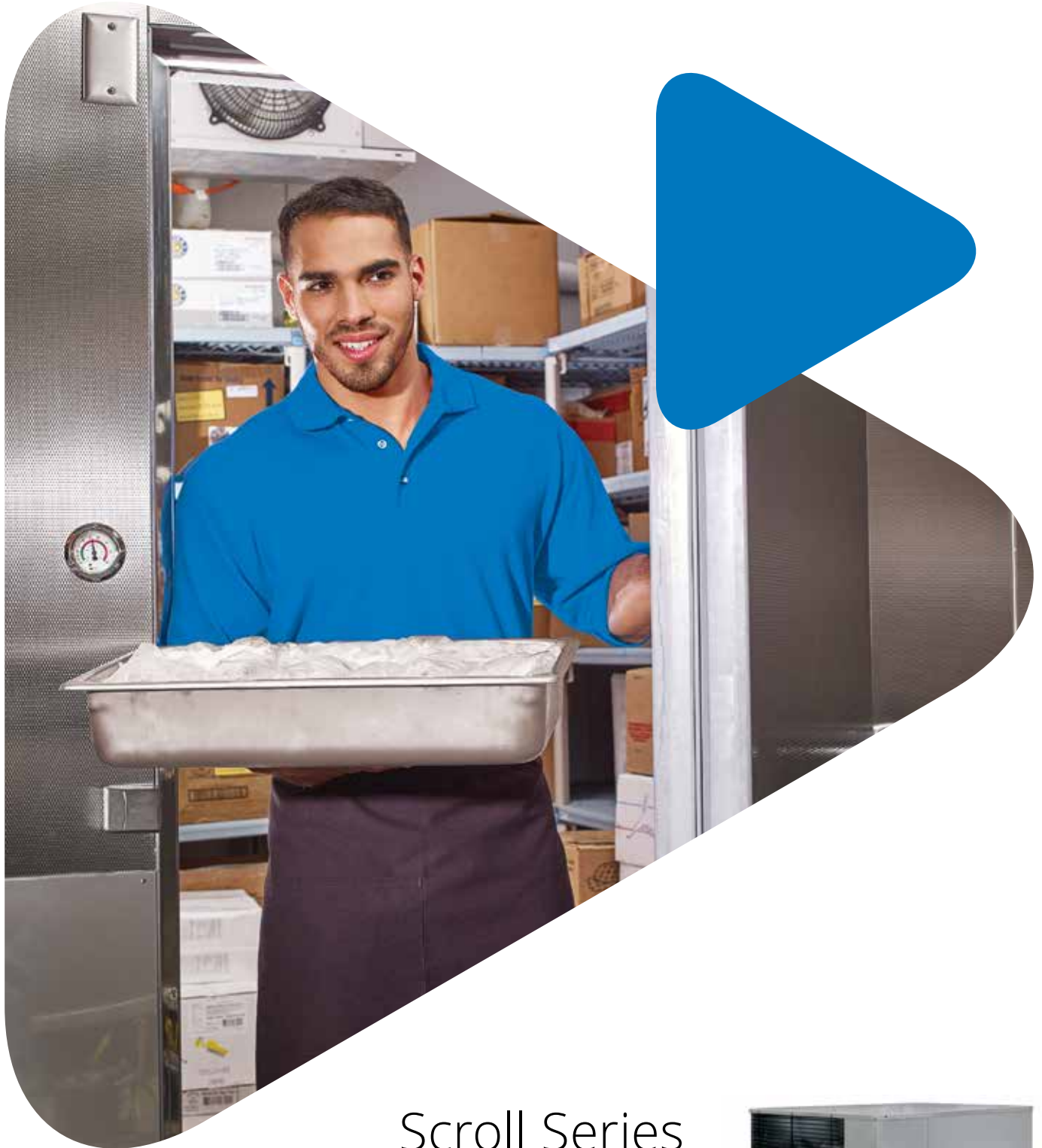


# ***RDI Systems***



## Scroll Series Refrigeration System

Air Cooled Indoor/Outdoor Scroll Condensing Units  
1/2 thru 6 Hp Models



# PC Refrigeration Systems

The RDI PC Refrigeration system includes an RDI condensing unit, an RDI evaporator assembly and is supplied charged with R448A refrigerant sufficient for a 50' line run. The condensing unit assembly is designed to be remotely located. Installation involves securing the evaporator assembly on the interior of the walk-in, locating the condensing unit in a suitable area near the walk-in, and installing refrigerant lines between the condensing unit assembly and the evaporator assembly, evacuating the evaporator assembly and refrigerant lines and opening the base valves provided on the condensing unit assembly. An electrician must bring power to both the condensing unit assembly and the evaporator assembly. On low temperature systems the time clock is shipped loose and is to be field installed in a convenient location outside of the walk-in.

## **PC System consists of:**

- Condensing Unit (high side assembly) ETL  
Listed to UL Standard 1995 (Priced Separately)
- Evaporators (low side assembly) See Unit Cooler  
page for details of evaporators (Priced Separately)
- All necessary controls for proper operation of  
condensing unit and evaporators
- Time Clocks (Low temp) shipped loose
- Refrigerant charge (high side assembly) suitable for  
up to 50 feet of line run

# PC Refrigeration Systems

## Standard Installed Components

### High Side Assembly

- Liquid Line Filter/Drier
- Sight glass/Moisture Indicator
- Pressure Controls
- Low Ambient Controls
- Crankcase Heater
- Oversized Receiver with Valve
- Refrigerant Charge for up to 50' of lines with R448A
- Insulated Suction Line
- PSC Condenser Fan Motors
- Base Valves
- Time Clocks (Low Temp) shipped loose
- Weatherproof Housing

### Low Side Assembly

- Thermostatic Expansion Valve for R448A
- Solenoid Valve
- Temperature Control
- EC Fan Motors
- (See Unit Cooler page for details)

NOTE: See Features and Options page for specific model offerings.

Condensing Unit assembly and Evaporator Assembly priced separately.

# Features and Options

|                              | Description                                        | STANDARD | STANDARD PLUS | PREMIUM | CANADIAN |
|------------------------------|----------------------------------------------------|----------|---------------|---------|----------|
|                              |                                                    | PC       | PC            | PC      | PC       |
|                              |                                                    | Scroll   | Scroll        | Scroll  | Scroll   |
| Controls                     | Encapsulated High Pressure Control                 | Std      | Std           | Std     | Std      |
|                              | Encapsulated Low Pressure Control (Med Temp)       | Std      | Std           | Std     | ADJ      |
|                              | Encapsulated Fan Cycle Control *                   | Std      | NA            | NA      | NA       |
|                              | Adjustable Low Pressure Control (Low temp)         | Std      | Std           | Std     | Std      |
|                              | Adjustable Fan Cycle Control                       | NA       | NA            | NA      | NA       |
|                              | Crank Case Heater (low ambient)                    | Std      | Std           | Std     | Std      |
|                              | Flooded Head Pressure Control Valve                | NA       | Std           | Std     | Std      |
| Condenser                    | Condenser (copper tube aluminum fins)              | Std      | Std           | Std     | Std      |
|                              | Oversized Condenser for 120° Ambient operation     | Std      | Std           | Std     | Std      |
|                              | Condenser fan motor(s) PSC                         | Std      | Std           | Std     | Std      |
|                              | Condenser fan blade(s) individually balanced       | Std      | Std           | Std     | Std      |
| Receiver & Piping Components | Oversized Receiver                                 | Std      | Std           | Std     | Std      |
|                              | Receiver shut off valve                            | Std      | Std           | Std     | Std      |
|                              | Base valves liquid & suction                       | Std      | Std           | Std     | Std      |
|                              | Suction line vibrasorber                           | NA       | NA            | NA      | NA       |
|                              | Discharge line vibrasorber                         | NA       | NA            | NA      | NA       |
|                              | Liquid and Suction line piping stub outs           | Std      | Std           | Std     | Std      |
|                              | Suction accumulator (Low Temp)                     | NA       | NA            | Std     | Std      |
|                              | Suction accumulator (Med Temp)                     | NA       | NA            | NA      | Std      |
|                              | Suction filter                                     | NA       | NA            | Std     | Std      |
|                              | Oil Separator (long line runs)                     | NA       | NA            | Opt     | Opt      |
|                              | Fused Disconnect Switch (line item shipped loose)  | Opt      | Opt           | Opt     | Opt      |
|                              | Fused Disconnect Switch (mounted & wired)          | NA       | NA            | Opt     | Opt      |
|                              | PRV -(Chicago Valve)                               | Opt      | Opt           | Opt     | Opt      |
|                              | Heated Insulated Receiver                          | NA       | NA            | NA      | Std      |
|                              | Liquid Line Drier                                  | Std      | Std           | Std     | Std      |
|                              | Liquid Line Moisture indicator sight glass         | Std      | Std           | Std     | Std      |
| Defrost                      | Defrost Lock Out (Low Temp)                        | NA       | NA            | Std     | Std      |
|                              | Time Clock shipped loose (Low Temp)                | Std      | Std           | NA      | NA       |
|                              | Time Clock shipped loose (Med Temp)                | NA       | NA            | NA      | NA       |
|                              | Time Clock Mtd & Wired in elec box (Low Temp)      | NA       | NA            | Std     | Std      |
|                              | Time Clock Mtd & Wired in elec box (Med Temp)      | NA       | NA            | NA      | NA       |
| Refrigerant                  | Refrigerant Charge (PC - 50')                      | Std      | Std           | Std     | Std      |
|                              | Dry Nitrogen Holding Charge                        | NA       | NA            | NA      | NA       |
| Housing                      | Galvanized Steel Weather Proof Housing             | Std      | Std           | Std     | Std      |
|                              | Electrical Control Panel with cover                | Std      | Std           | Std     | Std      |
| Testing                      | Leak Testing prior to shipment                     | Std      | Std           | Std     | Std      |
|                              | Dielectric Testing                                 | Std      | Std           | Std     | Std      |
|                              | Agency Listing to UL Std 1995 & comparable CSA Std | Std      | Std           | Std     | Std      |

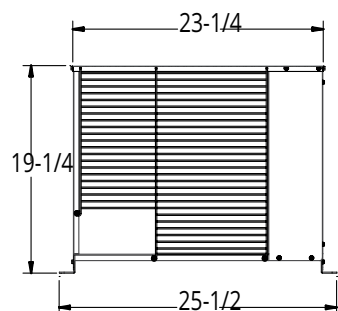
## Scroll Medium Temp (Air Cooled) Condensing Units

|       |            | Electrical Data    |      |          |          |       |      | Physical Dimensions w/ Housing |        |        |              |
|-------|------------|--------------------|------|----------|----------|-------|------|--------------------------------|--------|--------|--------------|
| Model | Comp Model | Amps @208/230/60/1 |      |          |          |       |      | Length                         | Width  | Height | Ship Wt. LBS |
|       |            | Compressor         |      | Cond FLA | Total CU | MCA   | MOPD |                                |        |        |              |
|       |            | RLA                | LRA  |          |          |       |      |                                |        |        |              |
| 48M   | RST45C1E   | 5.1                | 26.5 | 0.5      | 5.7      | 7     | 15   | 33                             | 25.5   | 19.25  | 146          |
| 68MZ  | ZB07KAE    | 15.6               | 75   | 0.5      | 17.56    | 21.46 | 35   | 33                             | 25.5   | 19.25  | 169          |
| 98MZ  | ZS09KAE    | 10                 | 40.3 | 1.2      | 11.36    | 13.9  | 20   | 33                             | 25.5   | 19.25  | 169          |
| 148MZ | ZS13KAE    | 12                 | 56   | 1.2      | 13.4     | 16.4  | 25   | 33                             | 25.5   | 19.25  | 173          |
| 198MZ | ZS15KAE    | 15.7               | 68   | 2.4      | 18.3     | 22.2  | 35   | 33                             | 40.125 | 22.25  | 211          |
| 248MZ | ZS19KAE    | 18                 | 75   | 2.4      | 20.6     | 24.1  | 40   | 33                             | 40.125 | 22.25  | 214          |
| 298MZ | ZS21KAE    | 23.2               | 112  | 2.4      | 25.8     | 31.6  | 50   | 33                             | 40.125 | 22.25  | 216          |
| 348MZ | ZS26KAE    | 23.6               | 104  | 2.4      | 26.3     | 32.2  | 55   | 33                             | 40.125 | 22.25  | 260          |
| 448MZ | ZS33KAE    | 25.6               | 146  | 3.6      | 29.5     | 35.9  | 60   | 37                             | 50.125 | 29.25  | 400          |
| 548MZ | ZS38KAE    | 31.8               | 164  | 3.6      | 35.7     | 43.6  | 75   | 33                             | 40.125 | 33.125 | 425          |
| 598MZ | N/A        | N/A                | N/A  | N/A      | N/A      | N/A   | N/A  | N/A                            | N/A    | N/A    | N/A          |

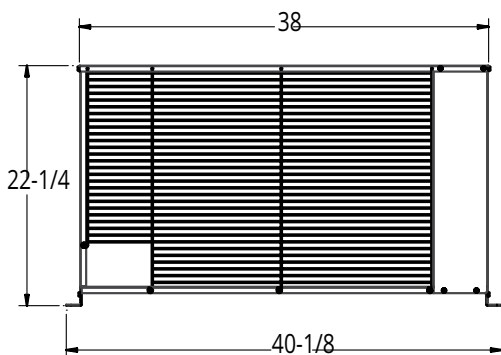
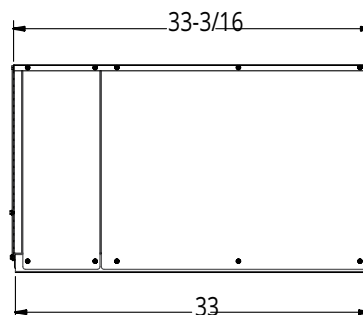
|       |            | Electrical Data     |      |          |          |       |      |    | Physical Dimensions w/ Housing |        |        |              |
|-------|------------|---------------------|------|----------|----------|-------|------|----|--------------------------------|--------|--------|--------------|
| Model | Comp Model | Amps @ 208/230/60/3 |      |          |          |       |      |    | Length                         | Widdth | Height | Ship Wt. LBS |
|       |            | Compressor          |      | Cond FLA | Total CU | MCA   | MOPD |    |                                |        |        |              |
|       |            | RLA                 | LRA  |          |          |       |      |    |                                |        |        |              |
| 68MZ  | ZB07KAE    | 10.8                | 73   | 0.5      | 12.76    | 15.46 | 25   | 33 | 25.5                           | 19.25  | 169    |              |
| 98MZ  | ZS09KAE    | 8                   | 55.4 | 1.2      | 9.53     | 11.57 | 15   | 33 | 25.5                           | 19.25  | 169    |              |
| 148MZ | ZS13KAE    | 9.7                 | 56   | 1.2      | 11.27    | 14.09 | 20   | 33 | 25.5                           | 19.25  | 173    |              |
| 198MZ | ZS15KAE    | 10.6                | 58   | 2.4      | 13.37    | 16.71 | 25   | 33 | 40.125                         | 22.25  | 211    |              |
| 248MZ | ZS19KAE    | 13.7                | 73   | 2.4      | 16.47    | 19.87 | 30   | 33 | 40.125                         | 22.25  | 214    |              |
| 298MZ | ZS21KAE    | 15.2                | 93   | 2.4      | 17.97    | 21.77 | 35   | 33 | 40.125                         | 22.25  | 216    |              |
| 348MZ | ZS26KAE    | 15.2                | 93   | 2.4      | 18.07    | 21.87 | 35   | 33 | 40.125                         | 22.25  | 260    |              |
| 448MZ | ZS33KAE    | 22.3                | 114  | 3.6      | 26.2     | 31.8  | 50   | 37 | 50.125                         | 29.25  | 400    |              |
| 548MZ | ZS38KAE    | 21.4                | 123  | 3.6      | 25.3     | 30.6  | 50   | 33 | 40.125                         | 33.125 | 425    |              |
| 598MZ | ZS45K4E    | 23.9                | 156  | 3.6      | 25.3     | 27.8  | 55   | 37 | 50.125                         | 33.25  | 430    |              |

Models larger than 6Hp only available in PR Format

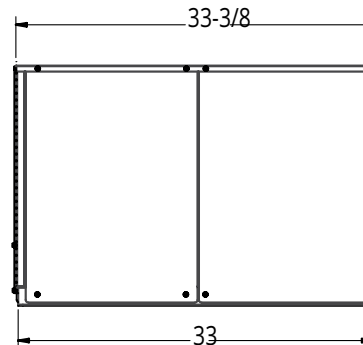
## Air Cooled Scroll



B



D

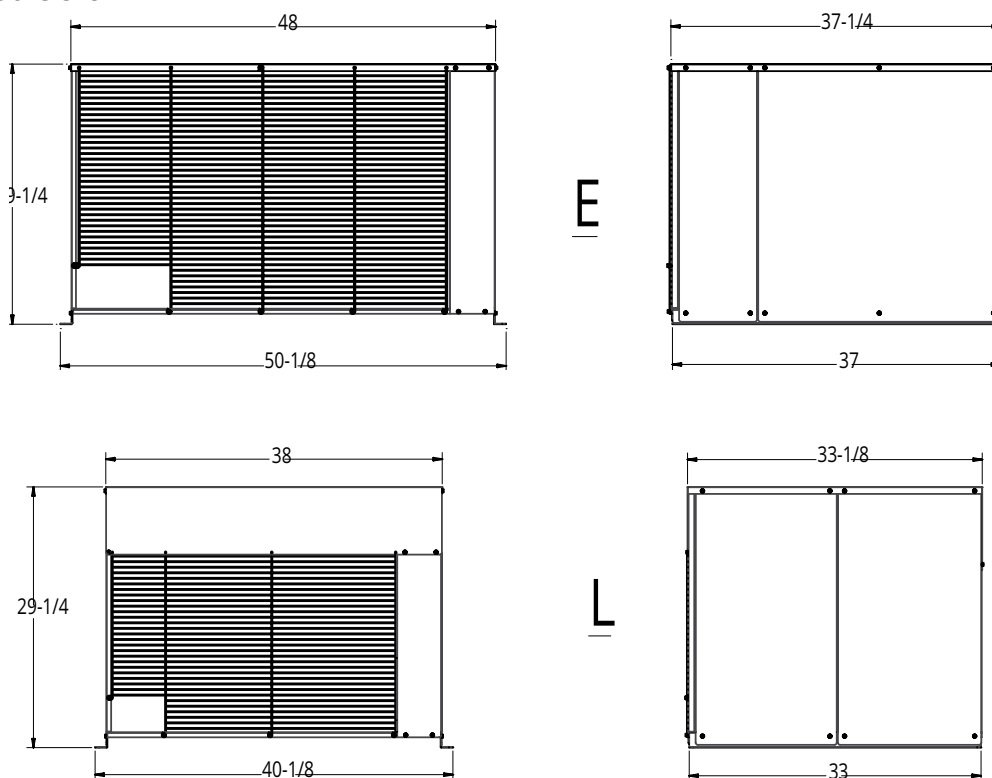


Models larger than 6Hp only available in PR Format

## Scroll Low Temp (Air Cooled) Condensing Units

|       |            | Electrical Data     |     |          |          |       |      | Physical Dimensions w/ Housing |        |        |              |
|-------|------------|---------------------|-----|----------|----------|-------|------|--------------------------------|--------|--------|--------------|
| Model | Comp Model | Amps @ 208-230/60/1 |     |          |          |       |      | Length                         | Width  | Height | Ship Wt. LBS |
|       |            | Compressor          |     | Cond FLA | Total CU | MCA   | MOPD |                                |        |        |              |
|       |            | RLA                 | LRA |          |          |       |      |                                |        |        |              |
| 148LZ | ZF05KAE    | 8.7                 | 55  | 1.2      | 10.2     | MCA   | 20   | 33                             | 25.5   | 19.25  | 177          |
| 198LZ | ZF06K4E    | 13.6                | 61  | 1.2      | 15.27    |       | 30   | 33                             | 25.5   | 19.25  | 186          |
| 248LZ | ZF08K4E    | 16.4                | 73  | 2.4      | 19.1     | MCA   | 35   | 33                             | 40.125 | 22.25  | 213          |
| 298LZ | ZF09K4E    | 14.3                | 88  | 2.4      | 17       |       | 30   | 33                             | 40.125 | 22.25  | 230          |
| 348LZ | ZF11K4E    | 16.3                | 109 | 3.6      | 20.2     | MCA   | 24.3 | 40                             | N/A    | N/A    | N/A          |
| 448LZ | ZF13K4E    | 25                  | 129 | 3.6      | 28.9     |       | 60   | 33                             | 40.125 | 29.25  | 405          |
| 548LZ | ZF15K4E    | 27.5                | 169 | 3.6      | 31.4     | MCA   | 65   | 33                             | 50.125 | 29.25  | 420          |
| 598LZ | N/A        | N/A                 | N/A | N/A      | N/A      |       | N/A  | N/A                            | N/A    | N/A    | N/A          |
|       |            | Electrical Data     |     |          |          |       |      | Physical Dimensions w/ Housing |        |        |              |
| Model | Comp Model | Amps @ 208-230/60/3 |     |          |          |       |      | Length                         | Width  | Height | Ship Wt. LBS |
|       |            | Compressor          |     | Cond FLA | Total CU | MCA   | MOPD |                                |        |        |              |
|       |            | RLA                 | LRA |          |          |       |      |                                |        |        |              |
| 148LZ | ZF05KAE    | 7.5                 | 59  | 1.2      | 9.17     | 11.07 | 15   | 33                             | 25.5   | 19.25  | 177          |
| 198LZ | ZF06K4E    | 9.3                 | 55  | 1.2      | 10.97    | 13.27 | 20   | 33                             | 25.5   | 19.25  | 186          |
| 248LZ | ZF08K4E    | 9.6                 | 63  | 2.4      | 12.3     | 14.7  | 20   | 33                             | 40.125 | 22.25  | 213          |
| 298LZ | ZF09K4E    | 9.6                 | 77  | 2.4      | 12.47    | 14.87 | 20   | 33                             | 40.125 | 22.25  | 230          |
| 348LZ | ZF11K4E    | 12.2                | 88  | 3.6      | 16.1     | 19.14 | 30   | N/A                            | N/A    | N/A    | N/A          |
| 448LZ | ZF13K4E    | 13.2                | 99  | 3.6      | 17.27    | 20.57 | 30   | 33                             | 40.125 | 29.25  | 405          |
| 548LZ | ZF15K4E    | 18.9                | 123 | 3.6      | 22.97    | 27.67 | 45   | 33                             | 50.125 | 29.25  | 420          |
| 598LZ | N/A        | N/A                 | N/A | N/A      | N/A      | N/A   | N/A  | N/A                            | N/A    | N/A    | N/A          |

## Air Cooled Scroll



# Scroll Low Temp (Air Cooled) Condensing Unit Performance Data for R448A

| Capacity (BTUH) @90°F AMBIENT |        |        |        |        |        |        |        |     |      |      |      |      |      | Sweat Connection |     | RECR        | Ship       |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|-----|------|------|------|------|------|------------------|-----|-------------|------------|
| Model                         | Nom HP |        |        |        |        |        |        |     |      |      |      |      |      | ODS, IN.         |     | @90%<br>LBS | Wt.<br>LBS |
|                               |        | -30    | -25    | -20    | -15    | -10    | -5     | 0°F | 10°F | 15°F | 20°F | 25°F | 30°F | SUC              | LIQ |             |            |
| 148LZ                         | 1.50   | 3,330  | 3,850  | 4,440  | 5,090  | 5,820  | 6,610  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 177        |
| 198LZ                         | 2.00   | 5,210  | 5,920  | 6,730  | 7,640  | 8,640  | 9,740  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 186        |
| 248LZ                         | 2.50   | 6,670  | 7,610  | 8,570  | 9,570  | 10,650 | 11,800 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 213        |
| 298LZ                         | 3.00   | 7,160  | 8,140  | 9,180  | 10,300 | 11,550 | 12,900 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 230        |
| 348LZ                         | 3.50   | 8,800  | 10,000 | 11,350 | 12,800 | 14,450 | 16,300 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --         |
| 448LZ                         | 4.50   | 9,940  | 11,350 | 13,000 | 14,900 | 17,000 | 19,300 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 405        |
| 548LZ                         | 5.50   | 12,350 | 14,150 | 16,150 | 18,400 | 20,900 | 23,700 | --  | --   | --   | --   | --   | --   | 1.125            | 0.5 | 19.7        | 420        |
| 598LZ                         | 6.00   | 15,490 | 17,690 | 20,140 | 22,850 | 25,950 | 29,050 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --         |

| Capacity (BTUH) @95°F AMBIENT |        |        |        |        |        |        |        |     |      |      |      |      |      | Sweat Connection |     | RECR        | Ship       |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|-----|------|------|------|------|------|------------------|-----|-------------|------------|
| Model                         | Nom HP |        |        |        |        |        |        |     |      |      |      |      |      | ODS, IN.         |     | @90%<br>LBS | Wt.<br>LBS |
|                               |        | -30    | -25    | -20    | -15    | -10    | -5     | 0°F | 10°F | 15°F | 20°F | 25°F | 30°F | SUC              | LIQ |             |            |
| 148LZ                         | 1.50   | 3,210  | 3,700  | 4,270  | 4,900  | 5,590  | 6,360  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 177        |
| 198LZ                         | 2.00   | 5,030  | 5,720  | 6,500  | 7,370  | 8,330  | 9,400  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 186        |
| 248LZ                         | 2.50   | 6,480  | 7,400  | 8,330  | 9,300  | 10,300 | 11,450 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 213        |
| 298LZ                         | 3.00   | 6,970  | 7,930  | 8,950  | 10,050 | 11,200 | 12,500 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 230        |
| 348LZ                         | 3.50   | 8,520  | 9,670  | 10,950 | 12,400 | 13,950 | 15,700 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --         |
| 448LZ                         | 4.50   | 9,920  | 11,150 | 12,650 | 14,400 | 16,400 | 18,600 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 405        |
| 548LZ                         | 5.50   | 11,950 | 13,650 | 15,550 | 17,700 | 20,100 | 22,800 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 420        |
| 598LZ                         | 6.00   | 15,020 | 17,110 | 19,440 | 22,040 | 25,015 | 27,990 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --         |

| Capacity (BTUH) @100°F AMBIENT |        |        |        |        |        |        |        |     |      |      |      |      |      | Sweat Connection |     | RECR        | Ship       |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|-----|------|------|------|------|------|------------------|-----|-------------|------------|
| Model                          | Nom HP |        |        |        |        |        |        |     |      |      |      |      |      | ODS, IN.         |     | @90%<br>LBS | Wt.<br>LBS |
|                                |        | -30    | -25    | -20    | -15    | -10    | -5     | 0°F | 10°F | 15°F | 20°F | 25°F | 30°F | SUC              | LIQ |             |            |
| 148LZ                          | 1.50   | 3,080  | 3,560  | 4,100  | 4,700  | 5,370  | 6,100  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 177        |
| 198LZ                          | 2.00   | 4,820  | 5,490  | 6,240  | 7,070  | 8,010  | 9,030  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 186        |
| 248LZ                          | 2.50   | 6,290  | 7,180  | 8,080  | 9,010  | 10,000 | 11,050 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 213        |
| 298LZ                          | 3.00   | 6,760  | 7,710  | 8,700  | 9,750  | 10,900 | 12,150 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 230        |
| 348LZ                          | 3.50   | 8,220  | 9,330  | 10,550 | 11,950 | 13,450 | 15,150 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --         |
| 448LZ                          | 4.50   | 9,960  | 11,000 | 12,350 | 13,950 | 15,800 | 17,850 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 405        |
| 548LZ                          | 5.50   | 11,600 | 13,200 | 15,000 | 17,050 | 19,350 | 21,800 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 420        |
| 598LZ                          | 6.00   | 14,560 | 16,350 | 18,750 | 21,210 | 24,050 | 26,890 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --         |

| Capacity (BTUH) @105°F AMBIENT |        |        |        |        |        |        |        |     |      |      |      |      |      | Sweat Connection |     | RECR        | Ship       |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|-----|------|------|------|------|------|------------------|-----|-------------|------------|
| Model                          | Nom HP |        |        |        |        |        |        |     |      |      |      |      |      | ODS, IN.         |     | @90%<br>LBS | Wt.<br>LBS |
|                                |        | -30    | -25    | -20    | -15    | -10    | -5     | 0°F | 10°F | 15°F | 20°F | 25°F | 30°F | SUC              | LIQ |             |            |
| 148LZ                          | 1.50   | 2,960  | 3,410  | 3,920  | 4,500  | 5,100  | 5,840  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 177        |
| 198LZ                          | 2.00   | 4,600  | 5,230  | 5,950  | 6,760  | 7,650  | 8,640  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 186        |
| 248LZ                          | 2.50   | 6,080  | 6,960  | 7,830  | 8,730  | 9,670  | 10,700 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 213        |
| 298LZ                          | 3.00   | 6,530  | 7,450  | 8,420  | 9,440  | 10,550 | 11,750 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 230        |
| 348LZ                          | 3.50   | 7,920  | 8,980  | 10,150 | 11,500 | 12,950 | 14,550 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --         |
| 448LZ                          | 4.50   | 10,050 | 10,900 | 12,050 | 13,500 | 15,150 | 17,100 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 405        |
| 548LZ                          | 5.50   | 11,200 | 12,750 | 14,450 | 16,400 | 18,550 | 20,900 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 420        |
| 598LZ                          | 6.00   | 14,120 | 15,970 | 18,050 | 20,380 | 23,075 | 25,770 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --         |

| Capacity (BTUH) @110°F AMBIENT |        |        |        |        |        |        |        |     |      |      |      |      |      | Sweat Connection |     | RECR        | Ship    |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|-----|------|------|------|------|------|------------------|-----|-------------|---------|
| Model                          | Nom HP |        |        |        |        |        |        |     |      |      |      |      |      | ODS, IN.         |     | @90%<br>LBS | Wt. LBS |
|                                |        | -30    | -25    | -20    | -15    | -10    | -5     | 0°F | 10°F | 15°F | 20°F | 25°F | 30°F | SUC              | LIQ |             |         |
| 148LZ                          | 1.50   | 2,830  | 3,260  | 3,750  | 4,300  | 4,910  | 5,580  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 177     |
| 198LZ                          | 2.00   | 4,340  | 4,950  | 5,630  | 6,410  | 7,270  | 8,210  | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 10.4        | 186     |
| 248LZ                          | 2.50   | 5,870  | 6,730  | 7,570  | 8,440  | 9,340  | 10,300 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 213     |
| 298LZ                          | 3.00   | 6,260  | 7,170  | 8,110  | 9,110  | 10,150 | 11,300 | --  | --   | --   | --   | --   | --   | 7/8              | 3/8 | 13.6        | 230     |
| 348LZ                          | 3.50   | 7,600  | 8,620  | 9,760  | 11,000 | 12,400 | 13,950 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --      |
| 448LZ                          | 4.50   | 10,200 | 10,850 | 11,800 | 13,050 | 14,550 | 16,300 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 405     |
| 548LZ                          | 5.50   | 10,900 | 12,300 | 13,900 | 15,750 | 17,750 | 20,000 | --  | --   | --   | --   | --   | --   | 1 1/8            | 1/2 | 19.7        | 420     |
| 598LZ                          | 6.00   | 13,700 | 15,410 | 17,370 | 19,540 | 22,080 | 24,620 | --  | --   | --   | --   | --   | --   | --               | --  | --          | --      |

Capacities are based off of the following conditions: 20 Degree Cond. TD, 41 Degree return gas temp., 10 degree evap. SH, 6 degree of SC

## R448A Evaporator Match Ups for Condensing Units

| Coolers | Single Evap 120 V or 208-230V<br>Air Defrost Low Profile Evap |                  |      | Electrical             |                            | Dual Evaps 120 V or 208-230V<br>Air Defrost Low Profile Evap |                  |      | Electrical             |                            |
|---------|---------------------------------------------------------------|------------------|------|------------------------|----------------------------|--------------------------------------------------------------|------------------|------|------------------------|----------------------------|
|         | Standard Low<br>Profile Coil<br>(1) Evaporator                | Balanced<br>BTUH | TD   | EC Motors              |                            | Low Profile Coil<br>(2) Evaporators                          | Balanced<br>BTUH | TD   | EC Motors              |                            |
|         |                                                               |                  |      | Total Fan Amps<br>115V | Total Fan Amps<br>208-230V |                                                              |                  |      | Total Fan Amps<br>115V | Total Fan Amps<br>208-230V |
| 48M     | AM16-052                                                      | 6079             | 10.1 | 0.8                    | 0.5                        | N/A                                                          | N/A              | N/A  | N/A                    | N/A                        |
| 68MZ    | AM26-073                                                      | 8818             | 10.4 | 1.6                    | 1.0                        | (2)AM16-041                                                  | 8294             | 8.6  | 1.6                    | 1.0                        |
| 98MZ    | AM26-094                                                      | 10547            | 10   | 1.6                    | 1.0                        | (2)AM16-052                                                  | 11062            | 9.2  | 1.6                    | 1.0                        |
| 148MZ   | AM26-130                                                      | 14973            | 9.8  | 1.6                    | 1.0                        | (2)AM16-066                                                  | 14463            | 9.3  | 1.6                    | 1.0                        |
| 198MZ   | AM36-141                                                      | 17087            | 10.8 | 2.4                    | 1.5                        | (2)AM26-073                                                  | 17238            | 10.1 | 3.2                    | 2.0                        |
| 248MZ   | AM36-181                                                      | 20435            | 9.6  | 2.4                    | 1.5                        | (2)AM26-094                                                  | 19718            | 9.0  | 3.2                    | 2.0                        |
| 298MZ   | AM46-235                                                      | 28041            | 10.1 | 3.2                    | 2.0                        | (2)AM26-117                                                  | 27920            | 10.3 | 3.2                    | 2.0                        |
| 348MZ   | AM46-260                                                      | 30320            | 10.0 | 3.2                    | 2.0                        | (2)AM26-130                                                  | 30361            | 9.9  | 3.2                    | 2.0                        |
| 448MZ   | AM66-330                                                      | 39201            | 10.1 | 4.8                    | 3.0                        | (2)AM36-161                                                  | 38954            | 10.4 | 4.8                    | 3.0                        |
| 548MZ   | AM66-390                                                      | 46341            | 10.1 | 4.8                    | 3.0                        | (2)AM46-195                                                  | 46159            | 10.3 | 6.4                    | 4.0                        |
| 598MZ   | AM66-390                                                      | 56148            | 12.2 | 4.8                    | 3.0                        | (2)AM46-235                                                  | 55640            | 10.0 | 6.4                    | 4.0                        |

Note: BTUH rating is for 90°F ambient and 25°F SST on coolers.

## R448A Evaporator Match Ups for Condensing Units

| Coolers | (1) Single Evap 230V<br>Medium Temp Elect Defrost |                  |      | Electrical             |                        | (2) Dual Evaps 230V<br>Medium Temp Electric Defrost |                  |      | Electrical             |                        |
|---------|---------------------------------------------------|------------------|------|------------------------|------------------------|-----------------------------------------------------|------------------|------|------------------------|------------------------|
|         | Low Profile<br>Evaporator                         | Balanced<br>BTUH | TD   | Total Fan Amps<br>230V | Total Htr Amps<br>230V | Low Profile<br>Evaporator<br>(2) Evaporator         | Balanced<br>BTUH | TD   | Total Fan Amps<br>230V | Total Htr Amps<br>230V |
| 48M     | EM16-049                                          | 5998             | 10.6 | 0.5                    | 3.2                    | N/A                                                 | N/A              | N/A  | N/A                    | N/A                    |
| 68MZ    | EM26-077                                          | 8884             | 10.0 | 1.0                    | 9.8                    | (2)EM16-036                                         | 8727             | 10.8 | 1.0                    | 9.8                    |
| 98MZ    | EM26-090                                          | 10770            | 10.4 | 1.0                    | 9.8                    | (2)EM16-049                                         | 10942            | 9.7  | 1.0                    | 9.8                    |
| 148MZ   | EM36-121                                          | 14707            | 10.6 | 1.5                    | 14.3                   | (2)EM26-066                                         | 14951            | 9.8  | 2.0                    | 19.6                   |
| 198MZ   | EM36-142                                          | 17648            | 10.8 | 1.5                    | 14.3                   | (2)EM26-077                                         | 17926            | 10.1 | 2.0                    | 19.6                   |
| 248MZ   | EM46-182                                          | 20390            | 9.7  | 1.5                    | 14.3                   | (2)EM26-090                                         | 20350            | 9.8  | 2.0                    | 19.6                   |
| 298MZ   | EM66-244                                          | 28961            | 10.3 | 3.0                    | 19.3                   | (2)EM36-121                                         | 28919            | 10.4 | 3.0                    | 28.6                   |
| 348MZ   | EM66-281                                          | 31559            | 9.8  | 3.0                    | 19.3                   | (2)EM36-142                                         | 31617            | 9.7  | 3.0                    | 28.6                   |
| 448MZ   | EM66-281                                          | 39026            | 12.1 | 3.0                    | 19.3                   | (2)EM46-162                                         | 40114            | 10.8 | 4.0                    | 38.4                   |
| 548MZ   | N/A                                               | N/A              | N/A  |                        |                        | (2)EM46-182                                         | 46801            | 9.7  | 4.0                    | 38.4                   |
| 598MZ   | N/A                                               | N/A              | N/A  |                        |                        | (2)EM66-244                                         | 58366            | 10.4 | 6.0                    | 58.0                   |

Note: BTUH rating is for 90°F ambient and 25°F SST on coolers.

## R448A Evaporator Match Ups for Condensing Units

| Freezers | (1) Single Evap 230V<br>Low Temp Elect Defrost |                  |      | Electrical             |                            | Dual Evaps 120 V or 208-230V<br>Air Defrost Low Profile Evap |                  |      | Electrical            |                  |
|----------|------------------------------------------------|------------------|------|------------------------|----------------------------|--------------------------------------------------------------|------------------|------|-----------------------|------------------|
|          | Low Profile<br>Evaporator                      | Balanced<br>BTUH | TD   | EC Motors              |                            | Low Profile<br>Evaporator<br>(2) Evaporators                 | Balanced<br>BTUH | TD   | EC Fan Motors<br>230V | Htr Amps<br>230V |
|          |                                                |                  |      | Total Fan Amps<br>115V | Total Fan Amps<br>208-230V |                                                              |                  |      |                       |                  |
| 148LZ    | EL16-035                                       | 4359             | 10.9 | 0.5                    | 4.9                        | N/A                                                          | N/A              | N/A  | N/A                   | N/A              |
| 198LZ    | EL16-049                                       | 6503             | 11.6 | 0.5                    | 4.9                        | (2)EL14-027                                                  | 6654             | 10.7 | 1.0                   | 9.8              |
| 248LZ    | EL26-066                                       | 8397             | 11.0 | 1.0                    | 9.8                        | (2)EL16-035                                                  | 8474             | 10.6 | 1.0                   | 9.8              |
| 298LZ    | EL26-077                                       | 9137             | 10.4 | 1.0                    | 9.8                        | (2)EL16-042                                                  | 9350             | 9.5  | 1.0                   | 9.8              |
| 348LZ    | EL26-090                                       | 11338            | 10.7 | 1.0                    | 9.8                        | (2)EL16-049                                                  | 11470            | 10.2 | 1.0                   | 9.8              |
| 448LZ    | EL26-105                                       | 12964            | 10.5 | 1.0                    | 9.8                        | (2)EL16-049                                                  | 12662            | 11.3 | 1.0                   | 9.8              |
| 548LZ    | EL36-142                                       | 16341            | 9.8  | 1.5                    | 14.3                       | (2)EL26-066                                                  | 16040            | 10.6 | 2.0                   | 17.6             |
| 598LZ    | EL46-182                                       | 20414            | 9.7  | 2.0                    | 19.2                       | (2)EL26-090                                                  | 20452            | 9.6  | 2.0                   | 17.6             |

Note: BTUH rating is for 90°F ambient and -20°F SST on freezers.



### R448A Evaporator Match Ups for Condensing Units

| Model | Center Mount Coil (Air Def) (1) Evaporator | Balanced BTUH | TD   | EC Motors           |                         | Center Mount Coil (Air Def) (2) Evaporator | Balanced BTUH | TD   | EC Motors           |                         |
|-------|--------------------------------------------|---------------|------|---------------------|-------------------------|--------------------------------------------|---------------|------|---------------------|-------------------------|
|       |                                            |               |      | Total Fan Amps 115V | Total Fan Amps 208-230V |                                            |               |      | Total Fan Amps 115V | Total Fan Amps 208-230V |
| 48M   | AMC36-64                                   | 6282          | 8.8  | 1.74                | 0.87                    |                                            |               |      |                     |                         |
| 68MZ  | AMC36-82                                   | 8892          | 10.0 | 1.74                | 0.87                    | N/A                                        | N/A           | N/A  | N/A                 | N/A                     |
| 98MZ  | AMC46-100                                  | 10876         | 10.0 | 2.32                | 1.16                    | N/A                                        | N/A           | N/A  | N/A                 | N/A                     |
| 148MZ | AMC46-140                                  | 14955         | 9.8  | 2.32                | 1.16                    | (2)AMC36-64                                | 14765         | 10.4 | 3.48                | 1.74                    |
| 198MZ | AMC46-157                                  | 17905         | 10.2 | 2.32                | 1.16                    | (2)AMC36-82                                | 17943         | 10.1 | 3.48                | 1.74                    |
| 248MZ | AMC46-190                                  | 20350         | 9.8  | 2.32                | 1.16                    | (2)AMC38-98                                | 20368         | 9.8  | 3.48                | 1.74                    |
| 298MZ | AMC68-250                                  | 28840         | 10.5 | 3.48                | 1.74                    | (2)AMC48-130                               | 29021         | 10.2 | 4.64                | 2.32                    |
| 348MZ | AMC68-250                                  | 30605         | 11.2 | 3.48                | 1.74                    | (2) AMC46-140                              | 31217         | 10.3 | 4.64                | 2.32                    |
| 448MZ | N/A                                        | N/A           | N/A  | N/A                 | N/A                     | (2) AMC 46-190                             | 40859         | 9.9  | 4.64                | 2.32                    |
| 548MZ | N/A                                        | N/A           | N/A  | N/A                 | N/A                     | (2) AMC58-230                              | 49359         | 9.8  | 5.8                 | 1.90                    |
| 598MZ | N/A                                        | N/A           | N/A  | N/A                 | N/A                     | (2) AMC68-250                              | 58117         | 10.6 | 6.96                | 3.48                    |

Note: BTUH rating is for 90°F ambient and 25°F SST on coolers.

### R448A Evaporator Match Ups for Condensing Units

| Model | Center Mount Coil (Elec Def) (1) Evaporator | Balanced BTUH | TD   | EC Motors           |                     | Center Mount Coil (Elec Def) (2) Evaporator | Balanced BTUH | TD   | Total Fan Amps 230V | Total Htr Amps 230V |
|-------|---------------------------------------------|---------------|------|---------------------|---------------------|---------------------------------------------|---------------|------|---------------------|---------------------|
|       |                                             |               |      | Total Fan Amps 230V | Total Htr Amps 230V |                                             |               |      |                     |                     |
| 48M   | N/A                                         | N/A           | N/A  | N/A                 | N/A                 | N/A                                         | N/A           | N/A  | N/A                 | N/A                 |
| 68MZ  | EMC36-69                                    | 8818          | 10.4 | 0.87                | 9.0                 | N/A                                         | N/A           | N/A  | N/A                 | N/A                 |
| 98MZ  | EMC46-90                                    | 10929         | 9.8  | 1.16                | 13.0                | N/A                                         | N/A           | N/A  | N/A                 | N/A                 |
| 148MZ | EMC46-125                                   | 15008         | 9.7  | 1.16                | 17.0                | (2)EMC36-62                                 | 15025         | 9.6  | 1.74                | ?                   |
| 198MZ | EMC46-140                                   | 17905         | 10.2 | 1.16                | 17.0                | (2)EMC36-69                                 | 17787         | 10.5 | 1.74                | 18.0                |
| 248MZ | EMC56-160                                   | 20725         | 10.1 | 1.45                | 17.0                | (2)EMC46-77                                 | 20033         | 10.5 | 2.32                | 26.0                |
| 298MZ | EMC66-218                                   | 28840         | 10.5 | 1.74                | 17.0                | (2)EMC56-125                                | 29446         | 9.5  | 2.90                | 34.0                |
| 348MZ | EMC66-218                                   | 30605         | 11.2 | 1.74                | 17.0                | (2)EMC56-125                                | 31328         | 10.1 | 2.90                | 34.0                |
| 448MZ | N/A                                         | N/A           | N/A  | N/A                 | N/A                 | (2) EMC56-160                               | 40621         | 10.2 | 2.90                | 34.0                |
| 548MZ | N/A                                         | N/A           | N/A  | N/A                 | N/A                 | (2) EMC66-218                               | 50029         | 9.1  | 3.48                | 34.0                |
| 598MZ | N/A                                         | N/A           | N/A  | N/A                 | N/A                 | (2) EMC66-218                               | 58117         | 10.6 | 3.48                | 34.0                |

Note: BTUH rating is for 90°F ambient and 25°F SST on coolers.

### R448A Evaporator Match Ups for Condensing Units

| Model | Low Profile Evaporator | Balanced BTUH | TD   | EC Motors           |                         | Low Profile Evaporator (2) Evaporators | Balanced BTUH | TD   | EC Fan Motors 230V | Htr Amps 230V |
|-------|------------------------|---------------|------|---------------------|-------------------------|----------------------------------------|---------------|------|--------------------|---------------|
|       |                        |               |      | Total Fan Amps 115V | Total Fan Amps 208-230V |                                        |               |      |                    |               |
| 148LZ | EL16-035               | 4359          | 10.9 | 0.5                 | 4.9                     | N/A                                    | N/A           | N/A  | N/A                | N/A           |
| 198LZ | EL16-049               | 6503          | 11.6 | 0.5                 | 4.9                     | (2)EL14-027                            | 6654          | 10.7 | 1.0                | 9.8           |
| 248LZ | EL26-066               | 8.97          | 11.0 | 1.0                 | 9.8                     | (2)EL16-035                            | 8474          | 10.6 | 1.0                | 9.8           |
| 298LZ | EL26-077               | 9137          | 10.4 | 1.0                 | 9.8                     | (2)EL16-042                            | 9350          | 9.5  | 1.0                | 9.8           |
| 348LZ | EL26-090               | 11338         | 10.7 | 1.0                 | 9.8                     | (2)EL16-049                            | 11470         | 10.2 | 1.0                | 9.8           |
| 448LZ | EL26-105               | 12964         | 10.5 | 1.0                 | 9.8                     | (2)EL16-049                            | 12662         | 11.3 | 1.0                | 9.8           |
| 548LZ | EL36-142               | 16341         | 9.8  | 1.5                 | 14.3                    | (2)EL26-066                            | 16040         | 10.6 | 2.0                | 17.6          |
| 598LZ | EL46-182               | 20414         | 9.7  | 2.0                 | 19.2                    | (2)EL26-090                            | 20452         | 9.6  | 2.0                | 17.6          |

Note: BTUH rating is for 90°F ambient and -20°F SST on freezers.

## R448A Evaporator Match Ups for Condensing Units

| Model | Center Mount Coil (Air Def) Low Velocity (1) Evaporator | Balanced BTUH | TD   | EC Motors           |                         | Center Mount Coil (Air Def) Low Velocity (2) Evaporator | Balanced BTUH | TD   | EC Motors           |                         |
|-------|---------------------------------------------------------|---------------|------|---------------------|-------------------------|---------------------------------------------------------|---------------|------|---------------------|-------------------------|
|       |                                                         |               |      | Total Fan Amps 115V | Total Fan Amps 208-230V |                                                         |               |      | Total Fan Amps 115V | Total Fan Amps 208-230V |
| 48M   | AML-050                                                 | 5350          | 10   | 0.6                 | 0.3                     | N/A                                                     | N/A           | N/A  | N/A                 | N/A                     |
| 68MZ  | AML-075                                                 | 7985          | 9.9  | 1.2                 | 0.6                     | N/A                                                     | N/A           | N/A  | N/A                 | N/A                     |
| 98MZ  | AML-100                                                 | 9885          | 9.2  | 1.2                 | 0.6                     | (2)AML-050                                              | 9878          | 9.2  | 1.2                 | 0.6                     |
| 148MZ | AML-130                                                 | 13407         | 9.6  | 1.8                 | 0.9                     | (2)AML-050                                              | 12731         | 11.9 | 1.2                 | 0.6                     |
| 198MZ | AML-160                                                 | 16241         | 9.5  | 1.8                 | 0.9                     | (2)AML-075                                              | 16077         | 9.9  | 2.4                 | 1.2                     |
| 248MZ | AML-190                                                 | 18496         | 9.1  | 2.4                 | 1.2                     | (2)AML-075                                              | 17722         | 11   | 2.4                 | 1.2                     |
| 298MZ | AML-220                                                 | 25759         | 10.9 | 2.4                 | 1.2                     | (2)AML-130                                              | 26506         | 9.5  | 3.6                 | 1.8                     |
| 348MZ | AML-270                                                 | 28310         | 9.7  | 3.0                 | 1.5                     | (2)AML-130                                              | 28085         | 10.1 | 3.6                 | 1.8                     |
| 448MZ | AML-340                                                 | 36715         | 10   | 3.6                 | 1.8                     | (2)AML-190                                              | 37364         | 9.2  | 4.8                 | 2.4                     |
| 548MZ | AML-340                                                 | 42635         | 11.7 | 3.6                 | 1.8                     | (2)AML-220                                              | 44769         | 9.5  | 4.8                 | 2.4                     |
| 598MZ | N/A                                                     | N/A           | N/A  |                     |                         | (2)AML-270                                              | 53801         | 9.3  | 6.0                 | 3.0                     |

Note: BTUH rating is for 90°F ambient and 25°F SST on coolers.

## R448A Evaporator Match Ups for Condensing Units

| Model | Center Mount Coil (Elec Def) Low Velocity (1) Evaporator | Balanced BTUH | TD   | EC Motors           |                     | Center Mount Coil (Elec Def) Low Velocity (2) Evaporator | Balanced BTUH | TD   | Total Fan Amps 230V | Total Htr Amps 230V |
|-------|----------------------------------------------------------|---------------|------|---------------------|---------------------|----------------------------------------------------------|---------------|------|---------------------|---------------------|
|       |                                                          |               |      | Total Fan Amps 230V | Total Htr Amps 230V |                                                          |               |      |                     |                     |
| 48M   | EML-050                                                  | 5350          | 10   | 0.3                 | 4.3                 | N/A                                                      | N/A           | N/A  | N/A                 | N/A                 |
| 68MZ  | EML-075                                                  | 7985          | 9.9  | 0.6                 | 4.3                 | N/A                                                      | N/A           | N/A  | N/A                 | N/A                 |
| 98MZ  | EML-100                                                  | 9885          | 9.2  | 0.6                 | 4.3                 | (2)EML-050                                               | 9878          | 9.2  | 0.6                 | 8.6                 |
| 148MZ | EML-130                                                  | 13407         | 9.6  | 0.9                 | 10.4                | (2)EML-050                                               | 12731         | 11.9 | 0.6                 | 8.6                 |
| 198MZ | EML-160                                                  | 16241         | 9.5  | 0.9                 | 10.4                | (2)EML-075                                               | 16077         | 9.9  | 1.2                 | 8.6                 |
| 248MZ | EML-190                                                  | 18496         | 9.1  | 1.2                 | 10.4                | (2)EML-075                                               | 17722         | 11   | 1.2                 | 8.6                 |
| 298MZ | EML-220                                                  | 25759         | 10.9 | 1.2                 | 10.4                | (2)EML-130                                               | 26506         | 9.5  | 1.8                 | 20.8                |
| 348MZ | EML-270                                                  | 28310         | 9.7  | 1.5                 | 17.4                | (2)EML-130                                               | 28085         | 10.1 | 1.8                 | 20.8                |
| 448MZ | EML-340                                                  | 36715         | 10   | 1.8                 | 21.7                | (2)EML-190                                               | 37364         | 9.2  | 2.4                 | 20.8                |
| 548MZ | EML-340                                                  | 42635         | 11.7 | 1.8                 | 21.7                | (2)ELL-220                                               | 44769         | 9.5  | 2.4                 | 20.8                |
| 598MZ | N/A                                                      | N/A           | N/A  | N/A                 | N/A                 | (2)ELL-270                                               | 53801         | 9.3  | 3.0                 | 34.8                |

Note: BTUH rating is for 90°F ambient and 25°F SST on coolers.

### R448A Evaporator Match Ups for Condensing Units

| Model | Center Mount Coil (Air Def) Low Velocity (1) Evaporator | Balanced BTUH | TD   | EC Motors           |                         | Center Mount Coil (Air Def) Low Velocity (2) Evaporator | Balanced BTUH | TD   | EC Motors           |                         |
|-------|---------------------------------------------------------|---------------|------|---------------------|-------------------------|---------------------------------------------------------|---------------|------|---------------------|-------------------------|
|       |                                                         |               |      | Total Fan Amps 115V | Total Fan Amps 208-230V |                                                         |               |      | Total Fan Amps 115V | Total Fan Amps 208-230V |
| 48M   | AML-050                                                 | 5350          | 10   | 0.6                 | 0.3                     | N/A                                                     | N/A           | N/A  | N/A                 | N/A                     |
| 68MZ  | AML-075                                                 | 7985          | 9.9  | 1.2                 | 0.6                     | N/A                                                     | N/A           | N/A  | N/A                 | N/A                     |
| 98MZ  | AML-100                                                 | 9885          | 9.2  | 1.2                 | 0.6                     | (2)AML-050                                              | 9878          | 9.2  | 1.2                 | 0.6                     |
| 148MZ | AML-130                                                 | 13407         | 9.6  | 1.8                 | 0.9                     | (2)AML-050                                              | 12731         | 11.9 | 1.2                 | 0.6                     |
| 198MZ | AML-160                                                 | 16241         | 9.5  | 1.8                 | 0.9                     | (2)AML-075                                              | 16077         | 9.9  | 2.4                 | 1.2                     |
| 248MZ | AML-190                                                 | 18496         | 9.1  | 2.4                 | 1.2                     | (2)AML-075                                              | 17722         | 11   | 2.4                 | 1.2                     |
| 298MZ | AML-220                                                 | 25759         | 10.9 | 2.4                 | 1.2                     | (2)AML-130                                              | 26506         | 9.5  | 3.6                 | 1.8                     |
| 348MZ | AML-270                                                 | 28310         | 9.7  | 3.0                 | 1.5                     | (2)AML-130                                              | 28085         | 10.1 | 3.6                 | 1.8                     |
| 448MZ | AML-340                                                 | 36715         | 10   | 3.6                 | 1.8                     | (2)AML-190                                              | 37364         | 9.2  | 4.8                 | 2.4                     |
| 548MZ | AML-340                                                 | 42635         | 11.7 | 3.6                 | 1.8                     | (2)AML-220                                              | 44769         | 9.5  | 4.8                 | 2.4                     |
| 598MZ | N/A                                                     | N/A           | N/A  |                     |                         | (2)AML-270                                              | 53801         | 9.3  | 6.0                 | 3.0                     |

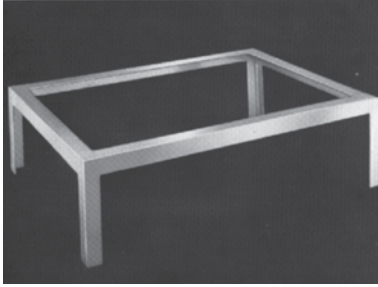
Note: BTUH rating is for 90°F ambient and 25°F SST on coolers.

### R448A Evaporator Match Ups for Condensing Units

| Model | Center Mount Coil (Elec Def) Low Velocity (1) Evaporator | Balanced BTUH | TD   | EC Motors           |                     | Center Mount Coil (Elec Def) Low Velocity (2) Evaporator | Balanced BTUH | TD   | Total Fan Amps 230V | Total Htr Amps 230V |
|-------|----------------------------------------------------------|---------------|------|---------------------|---------------------|----------------------------------------------------------|---------------|------|---------------------|---------------------|
|       |                                                          |               |      | Total Fan Amps 230V | Total Htr Amps 230V |                                                          |               |      |                     |                     |
| 48M   | EML-050                                                  | 5350          | 10   | 0.3                 | 4.3                 | N/A                                                      | N/A           | N/A  | N/A                 | N/A                 |
| 68MZ  | EML-075                                                  | 7985          | 9.9  | 0.6                 | 4.3                 | N/A                                                      | N/A           | N/A  | N/A                 | N/A                 |
| 98MZ  | EML-100                                                  | 9885          | 9.2  | 0.6                 | 4.3                 | (2)EML-050                                               | 9878          | 9.2  | 0.6                 | 8.6                 |
| 148MZ | EML-130                                                  | 13407         | 9.6  | 0.9                 | 10.4                | (2)EML-050                                               | 12731         | 11.9 | 0.6                 | 8.6                 |
| 198MZ | EML-160                                                  | 16241         | 9.5  | 0.9                 | 10.4                | (2)EML-075                                               | 16077         | 9.9  | 1.2                 | 8.6                 |
| 248MZ | EML-190                                                  | 18496         | 9.1  | 1.2                 | 10.4                | (2)EML-075                                               | 17722         | 11   | 1.2                 | 8.6                 |
| 298MZ | EML-220                                                  | 25759         | 10.9 | 1.2                 | 10.4                | (2)EML-130                                               | 26506         | 9.5  | 1.8                 | 20.8                |
| 348MZ | EML-270                                                  | 28310         | 9.7  | 1.5                 | 17.4                | (2)EML-130                                               | 28085         | 10.1 | 1.8                 | 20.8                |
| 448MZ | EML-340                                                  | 36715         | 10   | 1.8                 | 21.7                | (2)EML-190                                               | 37364         | 9.2  | 2.4                 | 20.8                |
| 548MZ | EML-340                                                  | 42635         | 11.7 | 1.8                 | 21.7                | (2)EML-220                                               | 44769         | 9.5  | 2.4                 | 20.8                |
| 598MZ | N/A                                                      | N/A           | N/A  | N/A                 | N/A                 | (2)EML-270                                               | 53801         | 9.3  | 3.0                 | 34.8                |

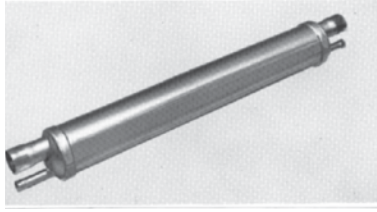
Note: BTUH rating is for 90°F ambient and 25°F SST on coolers.

## Accessories and Options



### Condensing Unit Rack

This accessory is used to mount condensing unit assembly. Units can be installed separately, stacked or side-by-side. The racks are constructed of heavy-gauge angle iron, welded together and painted to resist rust.



### Heat Exchanger

A heat exchanger is a device to:

- Sub-cool the liquid refrigerant
- Reduce flash gas in the liquid line
- Reduce liquid refrigerant in the suction line

This accessory is factory installed on "PCL" systems. It is shipped loose for field installation of "PR" or "PC" systems.



### Disconnect Switch



### Accumulator



### Oil Separator

## Nomenclature

# PC-148MZOP-2P

## RDI Models

PC (Pre-Charged no lines)

PCL (Pre-Charged with lines)

P - Premium

E - Standard

EP - Standard Plus

C - Canadian

1 - 208/230-60-1

2 - 208/230-6-3

OP - Outdoor/Indoor

Scroll

048 - 1/2 Hp

068 - 3/4 Hp

098 - 1 Hp

148 - 1-1/2 Hp

198 - 2 Hp

248 - 2-1/2 Hp

298 - 3 Hp

348 - 3-1/2 Hp

448 - 4-1/2 Hp

548 - 5-1/2 Hp

598 - 6 Hp

## Z - Scroll

M - Medium Temperature

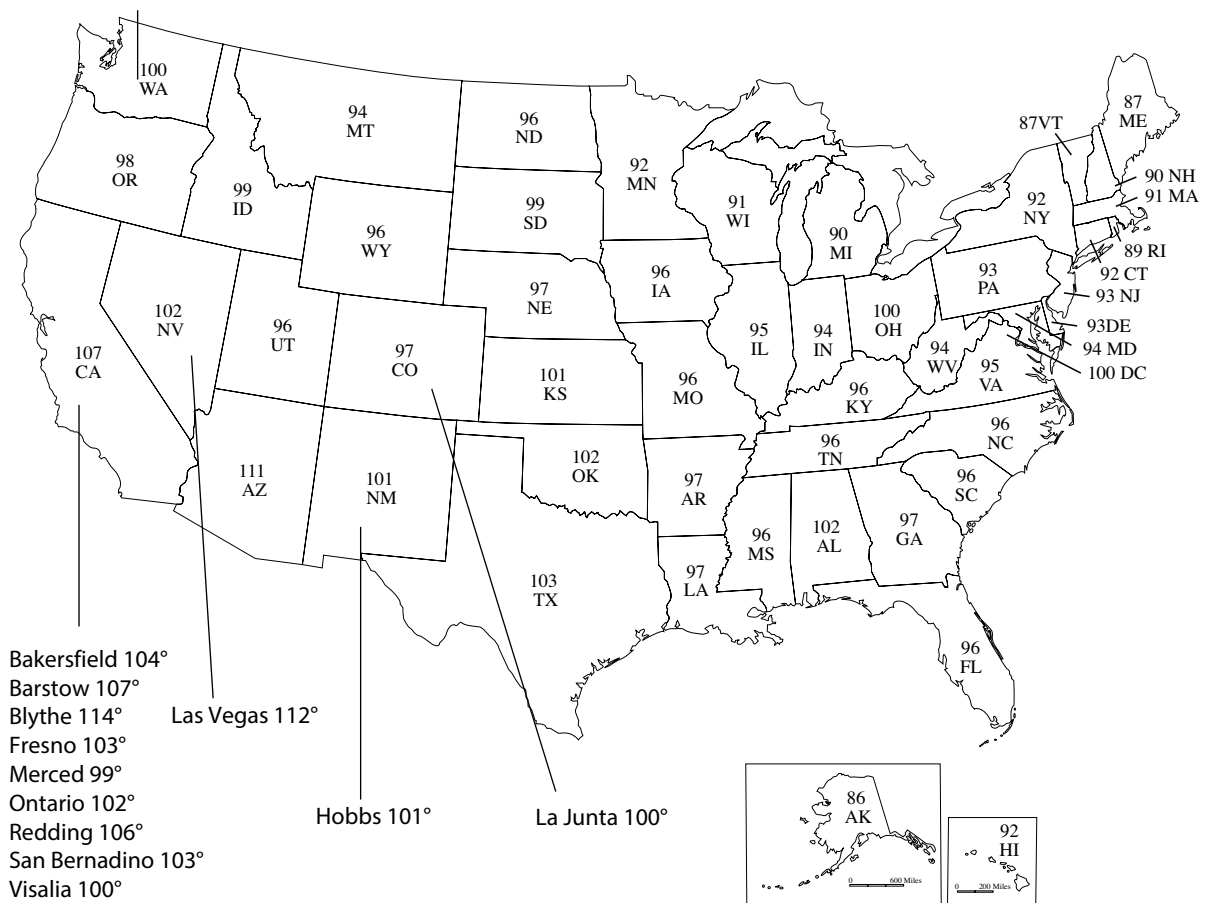
L - Low Temperature

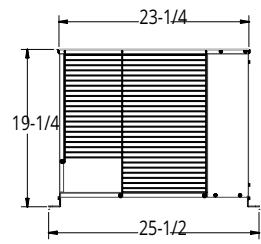
## Temperature chart from ASHRAE Handbook

Kennewick 105°

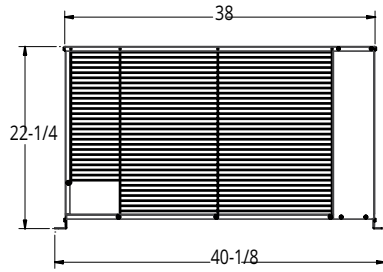
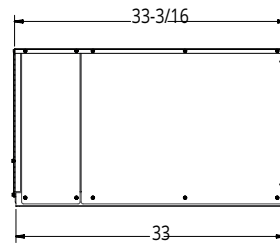
Wenatchee 105°

Yakima 105°

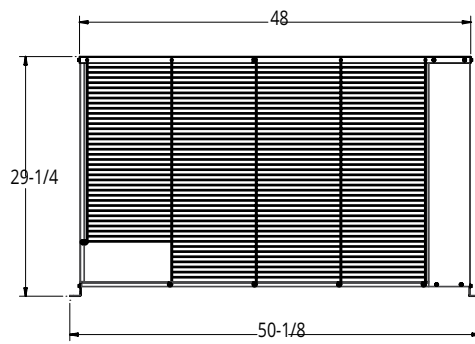
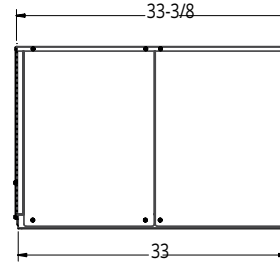




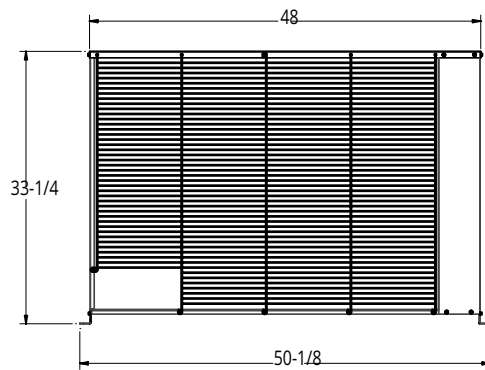
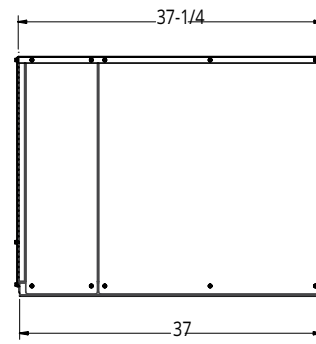
B



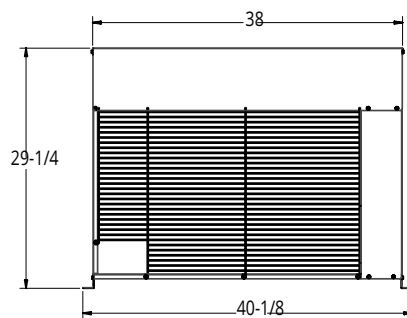
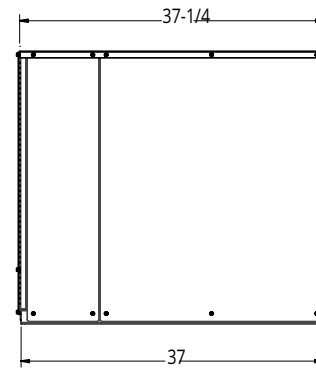
D



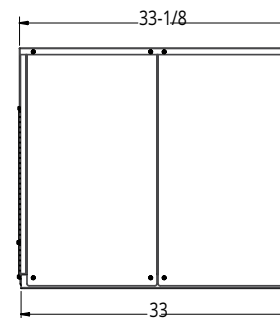
E



K



L



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## About RDI Systems

RDI Systems offers a wide range of energy-saving and environmentally-friendly products and features. We've designed our units for maximum performance with minimum environmental impact, all while saving you money on energy costs, operating costs and overall cost of ownership.

**For more information, visit [www.rdisystems.com](http://www.rdisystems.com)**



Welbilt offers fully-integrated kitchen systems and our products are backed by KitchenCare® aftermarket parts and service. Welbilt's portfolio of award-winning brands includes **Cleveland™, Convotherm®, Crem®, Delfield®, fitkitchen®, Frymaster®, Garland®, Kolpak®, Lincoln®, Manitowoc®, Merco®, Merrychef® and Multiplex®.**

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