

Powered by Copeland Scroll

- Factory applied "Blue Coil Coat" corrosion protection
- Reliable and efficient Copeland ZB scroll compressors
- Generous low noise level condensers
- Fully wired in a waterproof powder coated enclosure



## R404A

2.0 7.5 HP

### MEDIUM TEMP

| Model  | Amb (°C) | Capacity (kW)                |      |       |       |       |       | Power Input (kW)             |      |      |      |      |      |
|--------|----------|------------------------------|------|-------|-------|-------|-------|------------------------------|------|------|------|------|------|
|        |          | Evaporating Temperature (°C) |      |       |       |       |       | Evaporating Temperature (°C) |      |      |      |      |      |
|        |          | -20                          | -15  | -10   | -5    | 0     | 5     | -20                          | -15  | -10  | -5   | 0    | 5    |
| CZB200 | 32       | 2.45                         | 2.99 | 3.58  | 4.23  | 4.92  | 5.66  | 1.95                         | 1.97 | 1.98 | 1.99 | 2.02 | 2.06 |
|        | 38       | 2.12                         | 2.62 | 3.16  | 3.74  | 4.36  | 5.03  | 2.29                         | 2.29 | 2.28 | 2.29 | 2.30 | 2.33 |
|        | 43       | 1.81                         | 2.28 | 2.78  | 3.31  | 3.88  | 4.48  | 2.64                         | 2.63 | 2.60 | 2.59 | 2.58 | 2.59 |
| CZB250 | 32       | 3.26                         | 3.93 | 4.68  | 5.51  | 6.44  | 7.45  | 2.06                         | 2.10 | 2.14 | 2.19 | 2.24 | 2.30 |
|        | 38       | 2.96                         | 3.57 | 4.25  | 5.00  | 5.85  | 6.76  | 2.33                         | 2.37 | 2.42 | 2.47 | 2.52 | 2.57 |
|        | 43       | 2.69                         | 3.24 | 3.86  | 4.55  | 5.32  | 6.17  | 2.59                         | 2.64 | 2.69 | 2.73 | 2.78 | 2.83 |
| CZB300 | 32       | 3.86                         | 4.64 | 5.52  | 6.49  | 7.55  | 8.72  | 2.47                         | 2.52 | 2.58 | 2.65 | 2.72 | 2.79 |
|        | 38       | 3.49                         | 4.20 | 4.99  | 5.86  | 6.83  | 7.88  | 2.81                         | 2.87 | 2.93 | 2.99 | 3.06 | 3.13 |
|        | 43       | 3.17                         | 3.81 | 4.53  | 5.32  | 6.21  | 7.16  | 3.12                         | 3.19 | 3.25 | 3.31 | 3.38 | 3.46 |
| CZB350 | 32       | 4.42                         | 5.30 | 6.28  | 7.35  | 8.53  | 9.79  | 2.92                         | 3.01 | 3.09 | 3.18 | 3.28 | 3.38 |
|        | 38       | 3.98                         | 4.78 | 5.65  | 6.63  | 7.69  | 8.82  | 3.33                         | 3.41 | 3.50 | 3.59 | 3.69 | 3.80 |
|        | 43       | 3.59                         | 4.32 | 5.11  | 5.99  | 6.95  | 7.99  | 3.72                         | 3.80 | 3.89 | 3.98 | 4.08 | 4.18 |
| CZB400 | 32       | 5.01                         | 5.99 | 7.08  | 8.25  | 9.52  | 10.90 | 3.39                         | 3.49 | 3.60 | 3.72 | 3.86 | 3.99 |
|        | 38       | 4.50                         | 5.38 | 6.35  | 7.39  | 8.55  | 9.78  | 3.86                         | 3.97 | 4.09 | 4.21 | 4.34 | 4.48 |
|        | 43       | 4.05                         | 4.84 | 5.71  | 6.66  | 7.70  | 8.83  | 4.31                         | 4.43 | 4.54 | 4.67 | 4.79 | 4.92 |
| CZB500 | 32       | 6.46                         | 7.74 | 9.16  | 10.73 | 12.44 | 14.29 | 4.33                         | 4.45 | 4.57 | 4.70 | 4.85 | 5.00 |
|        | 38       | 5.82                         | 6.98 | 8.26  | 9.66  | 11.21 | 12.86 | 4.92                         | 5.03 | 5.16 | 5.30 | 5.44 | 5.59 |
|        | 43       | 5.25                         | 6.30 | 7.46  | 8.73  | 10.12 | 11.64 | 5.47                         | 5.59 | 5.72 | 5.86 | 6.00 | 6.15 |
| CZB600 | 32       | 7.38                         | 8.83 | 10.40 | 12.13 | 13.99 | 15.99 | 5.00                         | 5.15 | 5.32 | 5.49 | 5.69 | 5.89 |
|        | 38       | 6.63                         | 7.92 | 9.34  | 10.88 | 12.55 | 14.36 | 5.67                         | 5.83 | 6.00 | 6.18 | 6.38 | 6.57 |
|        | 43       | 5.95                         | 7.12 | 8.40  | 9.80  | 11.32 | 12.94 | 6.32                         | 6.49 | 6.66 | 6.83 | 7.01 | 7.22 |
| CZB750 | 32       | 8.31                         | 9.96 | 11.79 | 13.78 | 15.97 | 18.34 | 5.29                         | 5.44 | 5.59 | 5.76 | 5.94 | 6.13 |
|        | 38       | 7.49                         | 8.98 | 10.62 | 12.43 | 14.38 | 16.54 | 6.01                         | 6.16 | 6.33 | 6.49 | 6.68 | 6.86 |
|        | 43       | 6.76                         | 8.10 | 9.59  | 11.22 | 13.01 | 14.97 | 6.70                         | 6.86 | 7.03 | 7.20 | 7.37 | 7.55 |

Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

### R407F

2.0 7.5 HP

#### MEDIUM TEMP

| Model  | Amb<br>(°C) | Capacity (kW)                |      |       |       |       |       | Power Input (kW)             |      |      |      |      |      |
|--------|-------------|------------------------------|------|-------|-------|-------|-------|------------------------------|------|------|------|------|------|
|        |             | Evaporating Temperature (°C) |      |       |       |       |       | Evaporating Temperature (°C) |      |      |      |      |      |
|        |             | -20                          | -15  | -10   | -5    | 0     | 5     | -20                          | -15  | -10  | -5   | 0    | 5    |
| CZB200 | 32          | 2.58                         | 3.19 | 3.86  | 4.57  | 5.34  |       | 1.98                         | 2.03 | 2.09 | 2.15 | 2.22 |      |
|        | 38          |                              | 2.74 | 3.36  | 4.02  | 4.72  |       |                              | 2.37 | 2.42 | 2.49 | 2.56 |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |
| CZB250 | 32          | 2.70                         | 3.40 | 4.17  | 5.01  | 5.97  | 7.03  | 2.06                         | 2.11 | 2.18 | 2.26 | 2.34 | 2.41 |
|        | 38          |                              |      | 3.73  | 4.54  | 5.44  | 6.43  |                              |      | 2.49 | 2.58 | 2.67 | 2.76 |
|        | 43          |                              |      |       | 4.09  | 4.94  |       |                              |      |      | 2.86 | 2.97 |      |
| CZB300 | 32          | 4.04                         | 4.95 | 5.96  | 7.05  | 8.25  |       | 2.54                         | 2.64 | 2.75 | 2.87 | 2.98 |      |
|        | 38          |                              | 4.39 | 5.34  | 6.36  | 7.47  |       |                              | 3.02 | 3.15 | 3.28 | 3.41 |      |
|        | 43          |                              |      | 4.75  |       |       |       |                              |      | 3.50 |      |      |      |
| CZB350 | 32          | 4.53                         | 5.54 | 6.67  | 7.88  | 9.23  |       | 3.04                         | 3.18 | 3.33 | 3.50 | 3.67 |      |
|        | 38          |                              | 4.89 | 5.95  | 7.09  |       |       |                              | 3.61 | 3.79 | 3.99 |      |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |
| CZB400 | 32          | 5.23                         | 6.49 | 7.86  | 9.34  | 10.94 |       | 3.32                         | 3.52 | 3.71 | 3.91 | 4.12 |      |
|        | 38          |                              | 5.78 | 7.08  |       |       |       |                              | 3.91 | 4.14 |      |      |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |
| CZB500 | 32          | 5.41                         | 6.86 | 8.47  | 10.25 | 12.21 | 14.36 | 4.29                         | 4.43 | 4.59 | 4.78 | 5.00 | 5.26 |
|        | 38          |                              | 6.09 | 7.61  | 9.30  | 11.15 |       |                              | 4.73 | 4.84 | 4.99 | 5.16 |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |
| CZB600 | 32          | 6.36                         | 7.91 | 9.66  | 11.62 | 13.77 | 16.13 | 4.97                         | 5.22 | 5.47 | 5.73 | 6.05 | 6.41 |
|        | 38          |                              |      | 8.83  |       |       |       |                              |      | 6.25 |      |      |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |
| CZB750 | 32          | 7.11                         | 9.11 | 11.30 | 13.67 | 16.24 | 19.00 | 5.32                         | 5.70 | 6.04 | 6.38 | 6.71 | 7.06 |
|        | 38          |                              | 7.98 | 10.05 | 12.27 | 14.67 |       |                              | 6.36 | 6.79 | 7.18 | 7.56 |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |

Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

### R448A / R449A

2.0 7.5 HP

#### MEDIUM TEMP

| Model  | Amb<br>(°C) | Capacity (kW)                |      |       |       |       |       | Power Input (kW)             |      |      |      |      |      |
|--------|-------------|------------------------------|------|-------|-------|-------|-------|------------------------------|------|------|------|------|------|
|        |             | Evaporating Temperature (°C) |      |       |       |       |       | Evaporating Temperature (°C) |      |      |      |      |      |
|        |             | -20                          | -15  | -10   | -5    | 0     | 5     | -20                          | -15  | -10  | -5   | 0    | 5    |
| CZB200 | 32          | 2.25                         | 2.82 | 3.45  | 4.14  | 4.90  | 5.72  | 1.81                         | 1.84 | 1.88 | 1.93 | 2.00 | 2.09 |
|        | 38          |                              | 2.53 | 3.10  | 3.73  | 4.42  | 5.17  |                              | 2.16 | 2.20 | 2.24 | 2.30 | 2.38 |
|        | 43          |                              | 2.25 | 2.78  | 3.36  | 3.99  | 4.68  |                              | 2.48 | 2.51 | 2.55 | 2.60 | 2.67 |
| CZB250 | 32          | 2.75                         | 3.42 | 4.19  | 5.06  | 6.02  | 7.07  | 1.81                         | 1.84 | 1.89 | 1.95 | 2.03 | 2.13 |
|        | 38          |                              | 3.13 | 3.83  | 4.63  | 5.51  | 6.48  |                              | 2.12 | 2.17 | 2.22 | 2.30 | 2.39 |
|        | 43          |                              | 2.87 | 3.51  | 4.24  | 5.04  | 5.94  |                              | 2.41 | 2.44 | 2.49 | 2.56 | 2.65 |
| CZB300 | 32          | 3.43                         | 4.25 | 5.17  | 6.19  | 7.32  | 8.55  | 2.29                         | 2.36 | 2.45 | 2.55 | 2.67 | 2.81 |
|        | 38          | 3.15                         | 3.91 | 4.76  | 5.70  | 6.73  | 7.87  | 2.64                         | 2.72 | 2.81 | 2.91 | 3.04 | 3.17 |
|        | 43          | 2.89                         | 3.60 | 4.40  | 5.26  | 6.22  | 7.25  | 2.98                         | 3.06 | 3.14 | 3.26 | 3.37 | 3.52 |
| CZB350 | 32          | 3.81                         | 4.72 | 5.74  | 6.88  | 8.13  | 9.52  | 2.68                         | 2.77 | 2.88 | 3.00 | 3.13 | 3.27 |
|        | 38          |                              | 4.33 | 5.28  | 6.35  | 7.53  | 8.82  |                              | 3.13 | 3.24 | 3.36 | 3.49 | 3.62 |
|        | 43          |                              | 4.02 | 4.92  | 5.92  | 7.02  | 8.25  |                              | 3.47 | 3.57 | 3.69 | 3.81 | 3.94 |
| CZB400 | 32          | 4.45                         | 5.43 | 6.54  | 7.78  | 9.14  | 10.63 | 3.00                         | 3.15 | 3.30 | 3.46 | 3.65 | 3.85 |
|        | 38          |                              | 5.05 | 6.06  | 7.20  | 8.45  | 9.82  |                              | 3.59 | 3.75 | 3.92 | 4.11 | 4.31 |
|        | 43          |                              |      |       | 6.71  | 7.88  | 9.14  |                              |      |      | 4.35 | 4.53 | 4.73 |
| CZB500 | 32          | 5.41                         | 6.86 | 8.47  | 10.25 | 12.21 | 14.36 | 4.29                         | 4.43 | 4.59 | 4.78 | 5.00 | 5.26 |
|        | 38          |                              | 6.09 | 7.61  | 9.30  | 11.15 |       |                              | 4.73 | 4.84 | 4.99 | 5.16 |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |
| CZB600 | 32          | 6.36                         | 7.91 | 9.66  | 11.62 | 13.77 | 16.13 | 4.97                         | 5.22 | 5.47 | 5.73 | 6.05 | 6.41 |
|        | 38          |                              |      | 8.83  |       |       |       |                              |      | 6.25 |      |      |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |
| CZB750 | 32          | 7.11                         | 9.11 | 11.30 | 13.67 | 16.24 | 19.00 | 5.32                         | 5.70 | 6.04 | 6.38 | 6.71 | 7.06 |
|        | 38          |                              | 7.98 | 10.05 | 12.27 | 14.67 |       |                              | 6.36 | 6.79 | 7.18 | 7.56 |      |
|        | 43          |                              |      |       |       |       |       |                              |      |      |      |      |      |

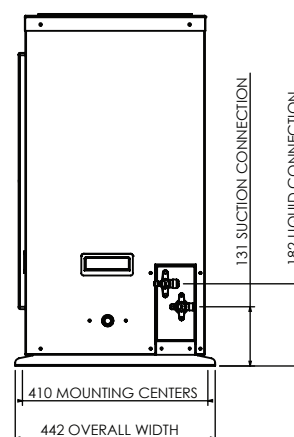
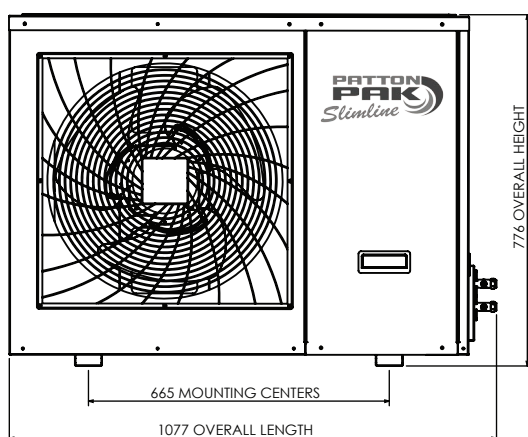
Note: The rating condition is based on a suction return gas 20°C, Subcool with the limits of the condensing unit.

# TECHNICAL DATA

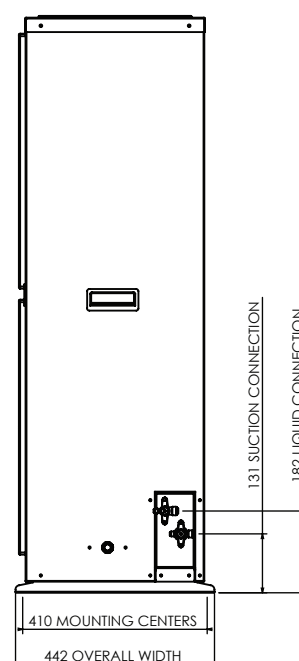
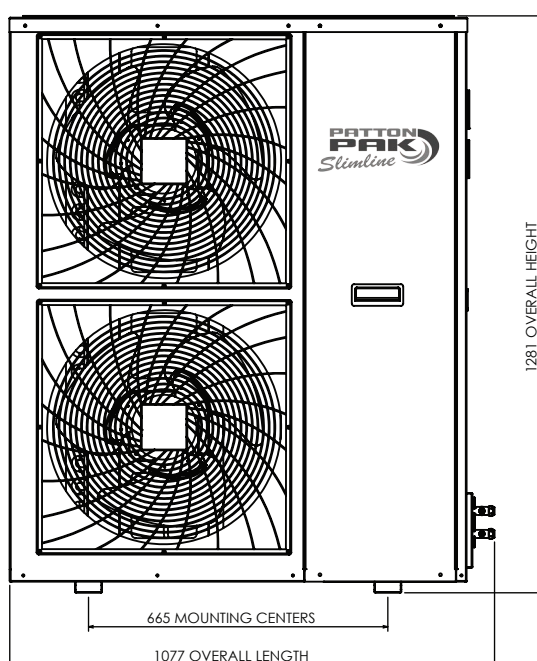
|             |                              | CZB200               | CZB250      | CZB300      | CZB350      | CZB400      | CZB500      | CZB600      | CZB750      |
|-------------|------------------------------|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Compressor  | MODEL                        | ZB15KQE-TFD          | ZB19KQE-TFD | ZB21KQE-TFD | ZB26KQE-TFD | ZB29KQE-TFD | ZB38KQE-TFD | ZB45KQE-TFD | ZB48KQE-TFD |
|             | Rated Input Volt.            | AC 380-420V/3PH/50Hz |             |             |             |             |             |             |             |
|             | RLA Amps                     | 3.25                 | 4.42        | 4.54        | 5.86        | 7.24        | 6.81        | 9.53        | 9.53        |
|             | MCC Amps                     | 4.90                 | 6.50        | 7.15        | 8.90        | 10.00       | 12.80       | 13.10       | 14.00       |
|             | LRA Amps                     | 26                   | 32          | 40          | 46          | 50          | 65.5        | 74          | 101         |
|             | Oil Type                     | POE(32cSt)           |             |             |             |             |             |             |             |
|             | Oil Precharge (L)            | 0.6                  |             |             |             |             |             |             |             |
|             | Oil Quantity (L)             | 1.24                 | 1.36        | 1.45        | 1.45        | 1.36        | 2.07        | 1.9         | 1.8         |
| Condenser   | Air Flow (m <sup>3</sup> /h) | 4520                 | 4490        | 4450        | 4450        | 4450        | 6370        | 6370        | 8750        |
|             | Fan Motor                    | 1x20"                | 1x20"       | 1x20"       | 1x20"       | 1x20"       | 2x18"       | 2x20"       | 2x20"       |
|             | Total Fan Power (W)          | 236                  | 236         | 236         | 236         | 236         | 472         | 472         | 472         |
|             | Receiver (L)                 | 4.7                  | 4.7         | 4.7         | 4.7         | 4.7         | 7.9         | 7.9         | 7.9         |
|             | Suction Tube Size            | 3/4"                 | 3/4"        | 3/4"        | 3/4"        | 7/8"        | 7/8"        | 7/8"        | 7/8"        |
|             | Liquid Tube Size             | 3/8"                 | 3/8"        | 3/8"        | 1/2"        | 1/2"        | 1/2"        | 1/2"        | 1/2"        |
| Weight (kg) |                              | 77                   | 79          | 81          | 82          | 87          | 119         | 121         | 123         |

## DIMENSION

CZB200  
CZB250  
CZB300  
CZB350  
CZB400



CZB500  
CZB600  
CZB750



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