

Copeland Scroll ZX Condensing Unit for Refrigeration Applications



Product catalogue

COPELAND

Copeland ZX condensing unit for refrigeration applications



The Copeland ZX platform refrigeration condensing units are specifically designed for medium temperature (ZX-MT), low temperature (ZXL-LT), digital modulated variable capacity medium temperature and low temperature (ZXD-MT & ZXLD-LT) refrigeration applications. Variable speed medium temperature and low temperature (ZXV-MT & ZXLV-LT) condensing units are also available. Please contact your local Copeland sales or application engineer for more details.

Copeland ZX series CDU has been highly successful in the commercial refrigeration market and enjoys proven success with its energy savings and customer-friendly electronic features.



Copeland ZX platform condensing unit was designed based on three factors demanded by industry users:

Intelligent store solutions - A most innovative approach to enterprise facility management, Intelligent Store architecture integrates hardware and services to provide retailers a single view into their entire network of facilities and understanding what facilities actually cost to operate and maintain.

The Intelligent Store architecture transforms data from store equipment and controls into actionable insights. Designed to deliver value in both new and existing stores, aiming to help retailers:

- Make better decisions on resources investment for maximum impact
- Receive accurate feedback and service customized to meet your specific needs
- Reduce operational costs and boost the profitability

Energy efficiency - Utilizing Copeland scroll compressor technology, variable speed fan motor, large capacity condenser coil and advanced control algorithms, energy consumption is significantly reduced. End-users can save more than 20% on annual energy costs compared to using hermetic reciprocating units.

Reliability - Combining the proven reliability of Copeland scroll compressors with advanced electronics controller and diagnostics, equipment reliability is greatly enhanced. Fault code alerts and fault code retrieval capabilities provide information to help improve speed and accuracy of system diagnostics. Integrated electronics provide protection against over-current, overheating, incorrect phase rotation, compressor cycling, high pressure resets and low pressure cut-outs. It can also send out a warning message to the operator when there is liquid floodback, which can prevent critical damage to the unit.

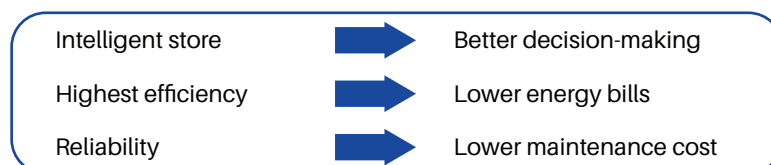


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Figure 1. Copeland ZX Platform CDU features

| Features | Owner/Enterprise benefits |
|---|---|
| Intelligent store solution | <ul style="list-style-type: none"> • Retail store monitoring • Enhanced energy savings • High-end food safety through real time monitoring |
| Energy-saving | <ul style="list-style-type: none"> • Lower operating costs |
| Diagnostic protection capabilities | <ul style="list-style-type: none"> • Greatly reduces the chance of nuisance service calls • Extends the life of your equipment • Reduces potential service costs • Keeps equipment operating at their original performance levels to ensure optimum energy efficiency and temperature control • Serves as a guide to what the contractor needs to fix in case of malfunction |
| Slim profile, lighter weight and optional wall mount capability | <ul style="list-style-type: none"> • Lower installation costs • Enhances the appearance of your enterprise site • Avoids more costly solutions arising from potential location issues |
| Multiple refrigerant capable | <ul style="list-style-type: none"> • Suitable for multiple refrigerants • Ease of retrofit to low GWP refrigerants |

Nomenclature

| | | | | | | | | |
|-------------|---|-----------|------------|---------------|---|--|---|------------------|
| ZX | L | 020 | B | E | - | TFD | - | 462 |
| Unit family | Blank = Medium temp L = Low temp D = Digital medium temp LD = Digital low temp | 2 - 20 HP | Generation | E = Ester oil | | PFJ = 220V/240V - 1ph - 50 Hz TFD = 380V/420V - 3ph - 50 Hz | | Bill of material |
| Base model | | | | | | Electrical code | | Bill of material |

Bill of material

| CDU Family BOM | ZX | ZXL | ZXD 3-7.6HP | ZXD 9HP | ZXD 12-16HP | ZXLD 9HP | ZXLD 12-16HP | ZXD/ZXLD 20HP |
|---|-----|-----|-------------|---------|-------------|----------|--------------|---------------|
| | 462 | 462 | 462 | 462 | 562 | 462 | 562 | 562 |
| Liquid line filter dryer/sight glass | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Liquid receiver | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Oil separator | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Accumulator | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Adjustable LP switch | | ✓ | | | | ✓ | ✓ | ✓ |
| LP Transducer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| HP Transducer | | | | | ✓ | | ✓ | ✓ |
| Fixed LP switch | ✓ | | ✓ | ✓ | ✓ | | | |
| Fixed HP switch | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CoreSense | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Digital modulation | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Fan speed controller | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Intelligent store solution module | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Circuit breaker | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Sound jacket | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Electronic oil level protective control | | | | | ✓ | | ✓ | ✓ |
| Liquid Injection | ✓ | | | | | | | |
| Vapor Injection * | | ✓ | | ✓ | ✓** | ✓ | ✓ | ✓ |

BOM:
4xx - Chassis with door
5xx - Chassis without door

Note: *Units with vapor injection must have liquid line insulation, liquid is subcooled and liquid line may condensate if not insulated
**ZXD120 has liquid injection instead of vapor injection, no liquid line insulation is required

CoreSense for Copeland ZX platform condensing unit

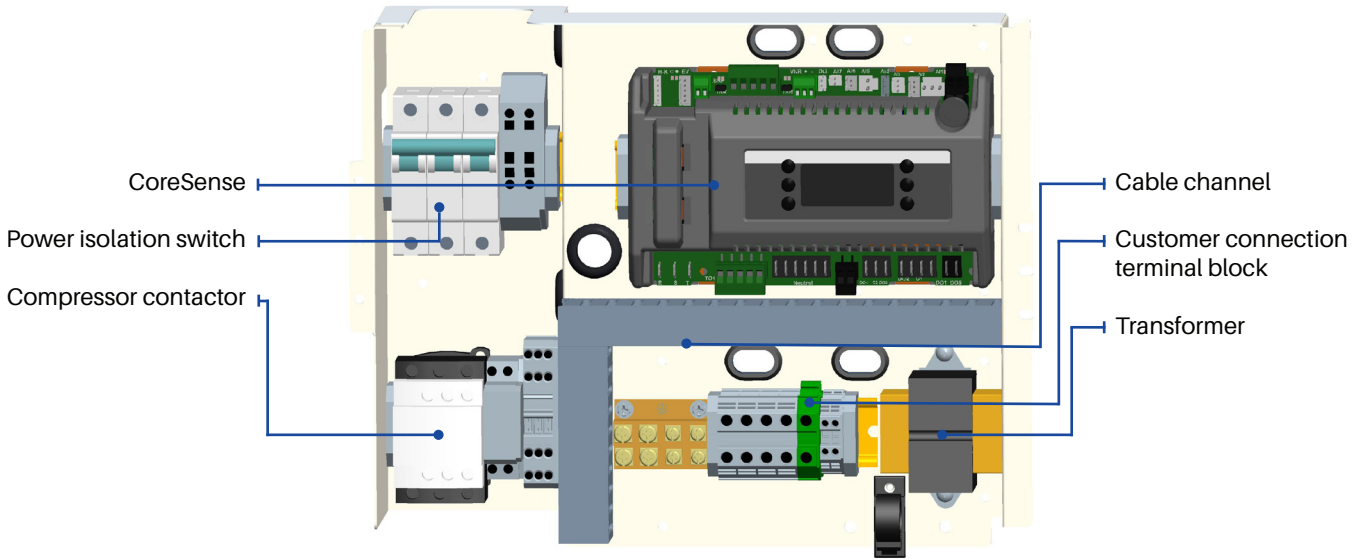
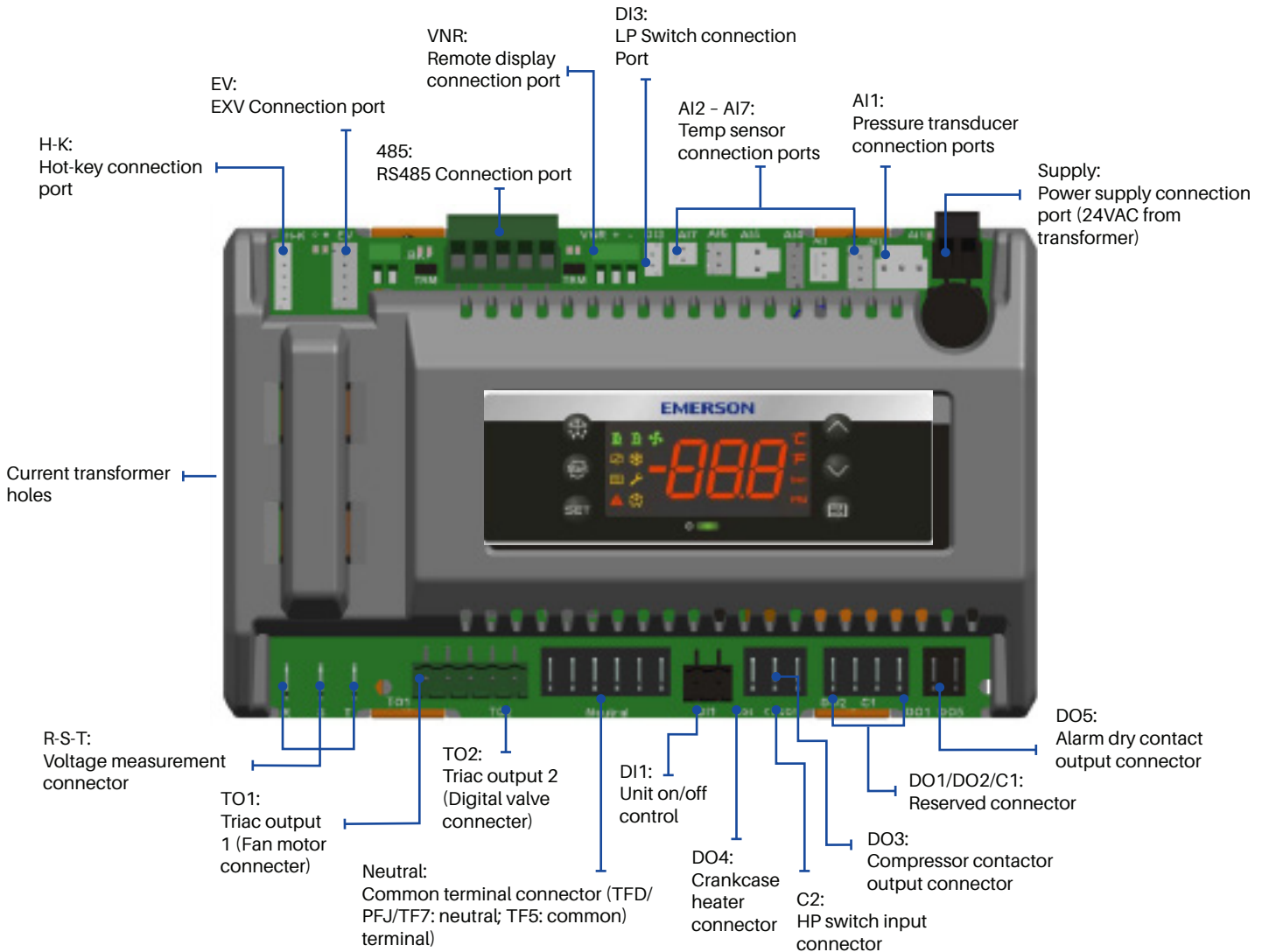


Figure 2. Layout of the CoreSense, Intelligent Store Module

CoreSense layout

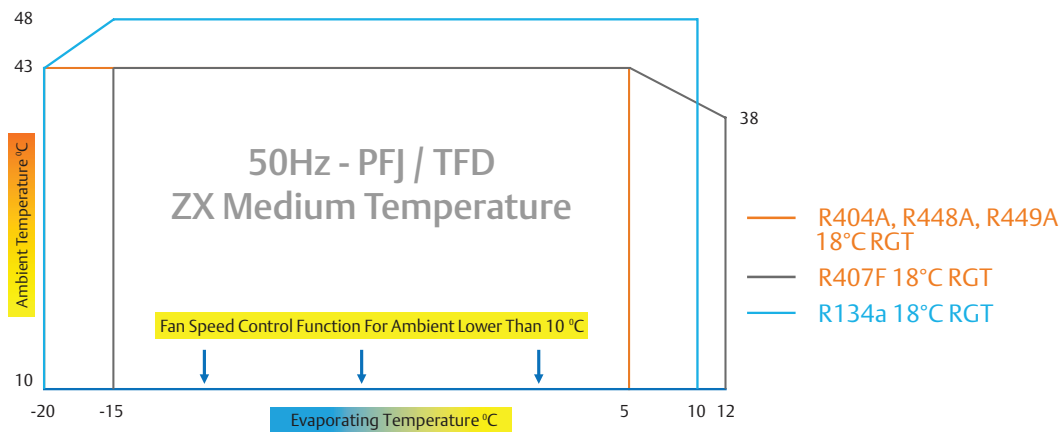


Operating envelopes

ZX Family : Medium temperature

ZX Medium Temperature at 50 Hz - PFJ / TFD

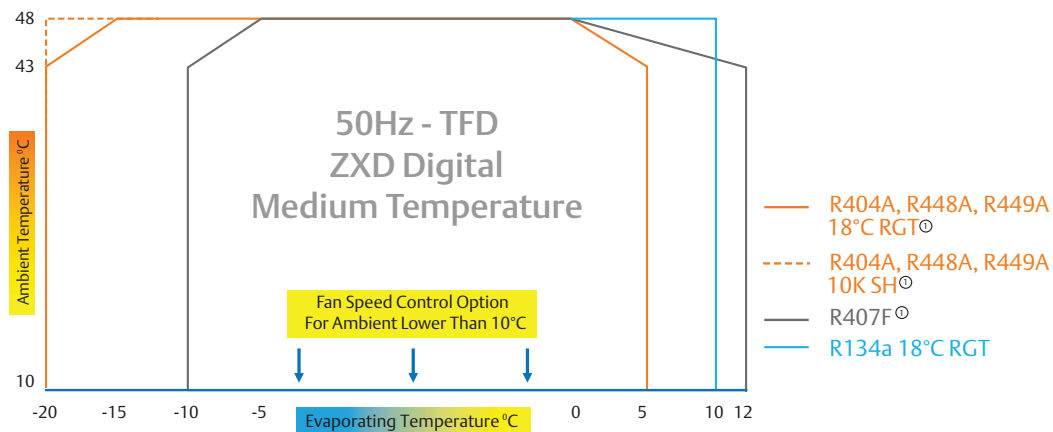
Refrigerant – R404A, R407F, R448A, R449A, R134a



ZXD Family : Digital medium temperature

ZXD Digital Medium Temperature at 50 Hz - TFD

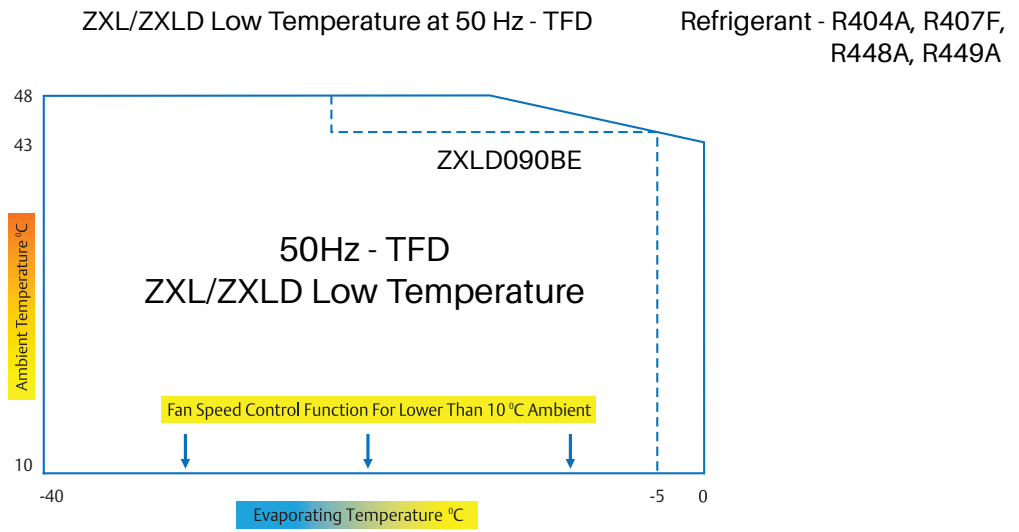
Refrigerant – R404A, R407F, R448A, R449A, R134a



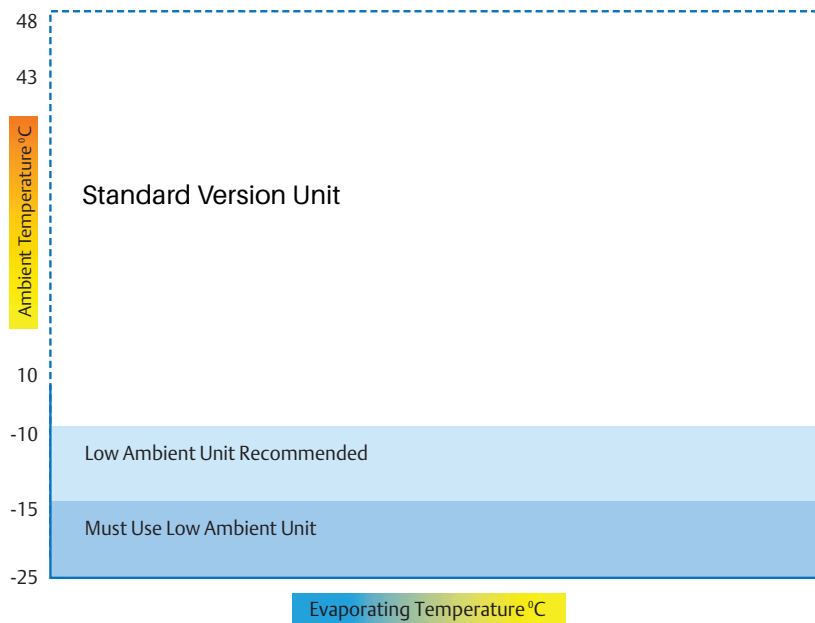
Note: For model ZXD090BE Max Amb: 43°C, Max Evap: 0°C

Operating envelopes

ZXL/ZXLD Family: Low temperature



Guideline for using low ambient units



Note: For applications under -25°C ambient temperatures, please contact your local Copeland engineer

ZX Family: Medium temperature

Capacity and Power (kW) at 50 Hz - PFJ/TFD

R404A

| Model | Ambient temperature (°C) | Capacity Evaporating temperature (°C) | | | | | | Power Evaporating temperature (°C) | | | | | |
|----------|--------------------------|---------------------------------------|-------|-------|-------|-------|-------|------------------------------------|------|------|------|------|------|
| | | -20 | -15 | -10 | -5 | 0 | 5 | -20 | -15 | -10 | -5 | 0 | 5 |
| ZX020BE | 27 | 3.30 | 3.90 | 4.44 | 5.08 | 5.79 | 6.60 | 1.64 | 1.67 | 1.70 | 1.76 | 1.84 | 1.96 |
| | 32 | 2.85 | 3.39 | 3.92 | 4.48 | 5.08 | 5.76 | 1.79 | 1.81 | 1.84 | 1.90 | 2.00 | 2.12 |
| | 38 | 2.42 | 2.90 | 3.36 | 3.85 | 4.36 | 4.94 | 1.95 | 1.99 | 2.02 | 2.07 | 2.16 | 2.26 |
| | 43 | 1.94 | 2.43 | 2.89 | 3.34 | 3.81 | 4.30 | 2.14 | 2.18 | 2.22 | 2.27 | 2.34 | 2.41 |
| ZX030BE | 27 | 4.04 | 4.87 | 5.81 | 6.85 | 7.99 | 9.23 | 2.14 | 2.19 | 2.24 | 2.32 | 2.42 | 2.55 |
| | 32 | 3.75 | 4.52 | 5.39 | 6.35 | 7.40 | 8.55 | 2.40 | 2.44 | 2.50 | 2.57 | 2.67 | 2.81 |
| | 38 | 3.39 | 4.08 | 4.85 | 5.72 | 6.67 | 7.69 | 2.72 | 2.75 | 2.80 | 2.88 | 3.00 | 3.15 |
| | 43 | 3.06 | 3.69 | 4.39 | 5.17 | 6.03 | 6.97 | 3.06 | 3.09 | 3.14 | 3.21 | 3.33 | 3.50 |
| ZX040BE | 27 | 5.52 | 6.57 | 7.70 | 8.95 | 10.37 | 12.02 | 2.72 | 2.86 | 3.02 | 3.17 | 3.31 | 3.36 |
| | 32 | 5.10 | 6.10 | 7.13 | 8.24 | 9.47 | 10.87 | 3.03 | 3.15 | 3.31 | 3.46 | 3.54 | 3.68 |
| | 38 | 4.61 | 5.60 | 6.57 | 7.57 | 8.64 | 9.85 | 3.45 | 3.58 | 3.71 | 3.85 | 3.97 | 4.03 |
| | 43 | 3.98 | 5.00 | 5.95 | 6.89 | 7.83 | 8.85 | 3.87 | 4.00 | 4.12 | 4.23 | 4.33 | 4.38 |
| ZX050BE* | 27 | 7.49 | 9.05 | 10.67 | 12.31 | 13.93 | 15.51 | 3.65 | 3.73 | 3.86 | 4.02 | 4.25 | 4.53 |
| | 32 | 6.56 | 8.12 | 9.76 | 11.43 | 13.10 | 14.74 | 4.11 | 4.20 | 4.32 | 4.50 | 4.72 | 5.00 |
| | 38 | 5.56 | 7.07 | 8.67 | 10.32 | 11.98 | 13.63 | 4.59 | 4.68 | 4.79 | 4.96 | 5.16 | 5.42 |
| | 43 | 4.88 | 6.28 | 7.79 | 9.37 | 10.98 | 12.58 | 5.11 | 5.17 | 5.27 | 5.40 | 5.59 | 5.81 |
| ZX060BE* | 27 | 8.24 | 9.72 | 11.47 | 13.30 | 15.69 | 18.48 | 3.69 | 3.84 | 4.06 | 4.33 | 4.62 | 4.93 |
| | 32 | 7.53 | 9.06 | 10.72 | 12.58 | 14.72 | 17.20 | 4.40 | 4.54 | 4.75 | 5.01 | 5.28 | 5.56 |
| | 38 | 6.74 | 8.25 | 9.83 | 11.55 | 13.48 | 15.69 | 4.93 | 5.05 | 5.25 | 5.47 | 5.72 | 5.98 |
| | 43 | 5.90 | 7.48 | 9.07 | 10.74 | 12.57 | 14.63 | 5.59 | 5.69 | 5.85 | 6.06 | 6.28 | 6.51 |
| ZX076BE* | 27 | 9.22 | 11.07 | 13.00 | 15.37 | 18.12 | 20.53 | 4.00 | 4.17 | 4.41 | 4.70 | 5.03 | 5.35 |
| | 32 | 8.50 | 10.21 | 12.06 | 14.14 | 16.53 | 19.30 | 4.78 | 4.93 | 5.16 | 5.43 | 5.74 | 6.05 |
| | 38 | 7.45 | 8.91 | 10.83 | 12.72 | 14.83 | 17.26 | 5.35 | 5.50 | 5.70 | 5.94 | 6.22 | 6.50 |
| | 43 | 6.39 | 8.09 | 9.80 | 11.61 | 13.59 | 15.81 | 6.07 | 6.19 | 6.36 | 6.57 | 6.82 | 7.07 |

Notes: * Available on TFD models only
 The rating condition is based on a return gas temperature of 18.3°C.
 Power includes condenser fan.
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZX Family: Medium temperature

Capacity and Power (kW) at 50 Hz - PFJ/TFD

R407F

| Model | Ambient temperature (°C) | Capacity Evaporating temperature (°C) | | | | | | | Power Evaporating temperature (°C) | | | | | | |
|----------|--------------------------|--|-------|-------|-------|-------|-------|-------|---------------------------------------|------|------|------|------|------|------|
| | | -15 | -10 | -5 | 0 | 5 | 10 | 12 | -15 | -10 | -5 | 0 | 5 | 10 | 12 |
| ZX020BE | 27 | 3.63 | 4.32 | 5.07 | 5.79 | 6.45 | 7.24 | 7.62 | 1.55 | 1.67 | 1.76 | 1.87 | 1.99 | 2.06 | 2.14 |
| | 32 | 3.36 | 3.98 | 4.69 | 5.39 | 6.07 | 6.90 | 7.30 | 1.77 | 1.85 | 1.93 | 2.05 | 2.22 | 2.35 | 2.46 |
| | 38 | 2.79 | 3.35 | 4.02 | 4.74 | 5.46 | 6.35 | 6.78 | 2.11 | 2.18 | 2.27 | 2.44 | 2.70 | 2.92 | 3.06 |
| | 43 | 2.21 | 2.74 | 3.40 | 4.14 | 4.91 | | | 2.40 | 2.48 | 2.61 | 2.84 | 3.20 | | |
| ZX030BE | 27 | 5.01 | 6.13 | 7.30 | 8.53 | 9.88 | 11.32 | 11.91 | 2.20 | 2.39 | 2.47 | 2.58 | 2.64 | 2.78 | 2.85 |
| | 32 | 4.64 | 5.65 | 6.75 | 7.94 | 9.31 | 10.79 | 11.41 | 2.44 | 2.63 | 2.67 | 2.77 | 2.97 | 3.16 | 3.27 |
| | 38 | 3.85 | 4.75 | 5.79 | 6.97 | 8.37 | 9.93 | 10.60 | 2.86 | 3.00 | 3.11 | 3.23 | 3.57 | 3.90 | 4.07 |
| | 43 | 3.06 | 3.88 | 4.89 | 6.09 | 7.53 | | | 3.11 | 3.28 | 3.43 | 3.49 | 4.03 | | |
| ZX040BE | 27 | 6.81 | 8.21 | 9.64 | 11.09 | 12.65 | 14.37 | 15.13 | 2.87 | 3.18 | 3.26 | 3.38 | 3.41 | 3.57 | 3.66 |
| | 32 | 6.31 | 7.57 | 8.91 | 10.33 | 11.91 | 13.70 | 14.49 | 3.18 | 3.49 | 3.53 | 3.64 | 3.84 | 4.06 | 4.20 |
| | 38 | 5.24 | 6.36 | 7.64 | 9.07 | 10.71 | 12.61 | 13.46 | 3.72 | 3.98 | 4.10 | 4.24 | 4.61 | 5.01 | 5.23 |
| | 43 | 4.16 | 5.20 | 6.46 | 7.92 | 9.64 | | | 4.04 | 4.36 | 4.53 | 4.59 | 5.21 | | |
| ZX050BE* | 27 | 8.11 | 10.02 | 11.73 | 13.53 | 15.71 | 18.56 | 19.95 | 3.62 | 3.70 | 3.92 | 4.20 | 4.46 | 4.62 | 4.64 |
| | 32 | 7.42 | 9.44 | 11.19 | 12.96 | 15.04 | 17.74 | 19.05 | 4.07 | 4.16 | 4.39 | 4.69 | 4.96 | 5.14 | 5.16 |
| | 38 | 6.32 | 8.44 | 10.22 | 11.95 | 13.91 | 16.41 | 17.61 | 4.61 | 4.71 | 4.95 | 5.26 | 5.54 | 5.73 | 5.76 |
| | 43 | 5.32 | 7.53 | 9.33 | 11.01 | 12.87 | | | 5.12 | 5.22 | 5.46 | 5.77 | 6.06 | | |
| ZX060BE* | 27 | 9.24 | 11.22 | 13.02 | 15.16 | 18.23 | 21.53 | 23.15 | 3.93 | 3.87 | 4.07 | 4.36 | 4.79 | 4.96 | 4.98 |
| | 32 | 8.46 | 10.57 | 12.42 | 14.51 | 17.45 | 20.57 | 22.09 | 4.50 | 4.48 | 4.62 | 5.00 | 5.38 | 5.57 | 5.60 |
| | 38 | 7.20 | 9.45 | 11.35 | 13.38 | 16.14 | 19.03 | 20.43 | 5.05 | 5.02 | 5.19 | 5.50 | 6.07 | 6.27 | 6.30 |
| | 43 | 6.07 | 8.44 | 10.36 | 12.33 | 14.93 | | | 5.56 | 5.51 | 5.66 | 5.98 | 6.44 | | |
| ZX076BE* | 27 | 10.28 | 12.48 | 14.48 | 16.85 | 20.08 | 23.72 | 25.50 | 4.44 | 4.31 | 4.43 | 4.64 | 5.08 | 5.26 | 5.28 |
| | 32 | 9.41 | 11.75 | 13.80 | 16.14 | 19.23 | 22.66 | 24.34 | 5.03 | 5.01 | 5.14 | 5.60 | 5.93 | 6.14 | 6.16 |
| | 38 | 8.01 | 10.51 | 12.62 | 14.88 | 17.78 | 20.96 | 22.51 | 5.97 | 5.94 | 6.07 | 6.44 | 7.08 | 7.34 | 7.38 |
| | 43 | 6.75 | 9.38 | 11.52 | 13.71 | 16.44 | | | 6.84 | 6.72 | 6.90 | 7.26 | 7.76 | | |

Notes: *Available on TFD models only
 The rating condition is based on a return gas temperature of 18.3°C.
 Power includes condenser fan.
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZX Family: Medium temperature

Capacity and Power (kW) at 50Hz -PFJ/ TFD

R448A

| Model | Ambient temperature (°C) | Capacity Evaporating temperature (°C) | | | | | | Power Evaporating temperature (°C) | | | | | |
|----------|--------------------------|--|------|-------|-------|-------|-------|---------------------------------------|------|------|------|------|------|
| | | -20 | -15 | -10 | -5 | 0 | 5 | -20 | -15 | -10 | -5 | 0 | 5 |
| ZX020BE | 27 | 2.76 | 3.38 | 3.98 | 4.63 | 5.35 | 6.20 | 1.45 | 1.49 | 1.53 | 1.57 | 1.63 | 1.73 |
| | 32 | 2.40 | 3.13 | 3.64 | 4.18 | 4.80 | 5.52 | 1.51 | 1.61 | 1.65 | 1.69 | 1.76 | 1.86 |
| | 38 | 2.07 | 2.55 | 3.23 | 3.70 | 4.22 | 4.85 | 1.64 | 1.70 | 1.81 | 1.85 | 1.92 | 2.03 |
| | 43 | 1.70 | 2.15 | 2.79 | 3.24 | 3.72 | 4.30 | 1.84 | 1.87 | 1.98 | 2.02 | 2.09 | 2.20 |
| ZX030BE | 27 | 3.50 | 4.35 | 5.24 | 6.24 | 7.36 | 8.66 | 1.88 | 1.98 | 2.03 | 2.08 | 2.14 | 2.24 |
| | 32 | 3.16 | 4.18 | 5.01 | 5.92 | 6.97 | 8.18 | 2.03 | 2.19 | 2.23 | 2.27 | 2.35 | 2.48 |
| | 38 | 2.90 | 3.58 | 4.65 | 5.48 | 6.43 | 7.55 | 2.29 | 2.35 | 2.52 | 2.57 | 2.67 | 2.83 |
| | 43 | 2.68 | 3.26 | 4.24 | 5.01 | 5.90 | 6.94 | 2.63 | 2.65 | 2.81 | 2.87 | 2.98 | 3.19 |
| ZX040BE | 27 | 4.79 | 5.86 | 6.94 | 8.14 | 9.56 | 11.28 | 2.39 | 2.59 | 2.73 | 2.83 | 2.90 | 2.96 |
| | 32 | 4.30 | 5.63 | 6.62 | 7.69 | 8.93 | 10.44 | 2.56 | 2.83 | 2.95 | 3.04 | 3.12 | 3.18 |
| | 38 | 3.94 | 4.92 | 6.31 | 7.26 | 8.35 | 9.66 | 2.91 | 3.06 | 3.36 | 3.44 | 3.53 | 3.62 |
| | 43 | 3.49 | 4.42 | 5.74 | 6.65 | 7.65 | 8.83 | 3.33 | 3.43 | 3.68 | 3.78 | 3.87 | 3.99 |
| ZX050BE* | 27 | 6.50 | 8.07 | 9.63 | 11.22 | 12.85 | 14.57 | 3.21 | 3.35 | 3.47 | 3.60 | 3.76 | 3.98 |
| | 32 | 5.53 | 7.51 | 9.08 | 10.68 | 12.35 | 14.13 | 3.47 | 3.74 | 3.85 | 3.98 | 4.15 | 4.40 |
| | 38 | 4.75 | 6.21 | 8.31 | 9.90 | 11.58 | 13.39 | 3.87 | 4.00 | 4.31 | 4.43 | 4.61 | 4.87 |
| | 43 | 4.28 | 5.55 | 7.53 | 9.08 | 10.75 | 12.55 | 4.39 | 4.43 | 4.71 | 4.83 | 5.01 | 5.29 |
| ZX060BE* | 27 | 7.14 | 8.63 | 10.25 | 12.15 | 14.46 | 17.35 | 3.24 | 3.47 | 3.67 | 3.88 | 4.09 | 4.34 |
| | 32 | 6.35 | 8.38 | 9.95 | 11.73 | 13.88 | 16.53 | 3.71 | 4.06 | 4.24 | 4.43 | 4.64 | 4.90 |
| | 38 | 5.76 | 7.24 | 9.36 | 11.05 | 13.03 | 15.44 | 4.16 | 4.32 | 4.71 | 4.88 | 5.10 | 5.38 |
| | 43 | 5.18 | 6.62 | 8.80 | 10.45 | 12.32 | 14.57 | 4.80 | 4.88 | 5.23 | 5.40 | 5.63 | 5.92 |
| ZX076BE* | 27 | 8.01 | 9.96 | 11.89 | 13.98 | 16.39 | 19.31 | 3.52 | 3.76 | 3.99 | 4.21 | 4.44 | 4.71 |
| | 32 | 7.16 | 9.50 | 11.30 | 13.26 | 15.53 | 18.31 | 4.03 | 4.41 | 4.61 | 4.81 | 5.05 | 5.33 |
| | 38 | 6.37 | 7.82 | 10.35 | 12.18 | 14.33 | 16.98 | 4.51 | 4.70 | 5.11 | 5.30 | 5.54 | 5.85 |
| | 43 | 5.61 | 7.16 | 9.34 | 11.09 | 13.17 | 15.74 | 5.22 | 5.31 | 5.69 | 5.87 | 6.11 | 6.44 |

Notes: * Available on TFD models only
 Data based on dew point
 Rating condition is based on Return Gas Temperature of 18.3°C
 Power includes condenser fan
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZX Family: Medium temperature

Capacity and Power (kW) at 50Hz -PFJ/ TFD

R449A

| Model | Ambient temperature (°C) | Capacity Evaporating temperature (°C) | | | | | | Power Evaporating temperature (°C) | | | | | |
|----------|--------------------------|--|------|-------|-------|-------|-------|---------------------------------------|------|------|------|------|------|
| | | -20 | -15 | -10 | -5 | 0 | 5 | -20 | -15 | -10 | -5 | 0 | 5 |
| ZX020BE | 27 | 2.78 | 3.28 | 3.85 | 4.52 | 5.31 | 6.24 | 1.42 | 1.42 | 1.45 | 1.51 | 1.61 | 1.72 |
| | 32 | 2.36 | 3.02 | 3.54 | 4.12 | 4.79 | 5.58 | 1.47 | 1.55 | 1.59 | 1.66 | 1.75 | 1.87 |
| | 38 | 2.02 | 2.48 | 3.18 | 3.69 | 4.27 | 4.93 | 1.60 | 1.65 | 1.77 | 1.84 | 1.93 | 2.04 |
| | 43 | 1.66 | 2.10 | 2.79 | 3.29 | 3.82 | 4.40 | 1.78 | 1.81 | 1.96 | 2.04 | 2.13 | 2.24 |
| ZX030BE | 27 | 3.49 | 4.19 | 5.05 | 6.10 | 7.31 | 8.71 | 1.84 | 1.88 | 1.93 | 2.00 | 2.10 | 2.24 |
| | 32 | 3.11 | 4.03 | 4.86 | 5.84 | 6.97 | 8.26 | 1.97 | 2.10 | 2.15 | 2.23 | 2.34 | 2.49 |
| | 38 | 2.82 | 3.49 | 4.57 | 5.48 | 6.51 | 7.67 | 2.23 | 2.28 | 2.46 | 2.55 | 2.68 | 2.86 |
| | 43 | 2.62 | 3.18 | 4.24 | 5.10 | 6.06 | 7.12 | 2.55 | 2.57 | 2.78 | 2.89 | 3.04 | 3.24 |
| ZX040BE | 27 | 4.77 | 5.65 | 6.69 | 7.96 | 9.49 | 11.35 | 2.35 | 2.47 | 2.60 | 2.73 | 2.86 | 2.95 |
| | 32 | 4.23 | 5.44 | 6.43 | 7.57 | 8.93 | 10.53 | 2.48 | 2.72 | 2.85 | 2.98 | 3.10 | 3.20 |
| | 38 | 3.84 | 4.79 | 6.20 | 7.26 | 8.45 | 9.81 | 2.82 | 2.97 | 3.28 | 3.42 | 3.55 | 3.65 |
| | 43 | 3.40 | 4.31 | 5.73 | 6.76 | 7.85 | 9.05 | 3.23 | 3.33 | 3.65 | 3.80 | 3.94 | 4.06 |
| ZX050BE* | 27 | 6.48 | 7.78 | 9.29 | 10.96 | 12.76 | 14.65 | 3.14 | 3.19 | 3.30 | 3.47 | 3.70 | 3.98 |
| | 32 | 5.44 | 7.24 | 8.81 | 10.52 | 12.35 | 14.25 | 3.37 | 3.59 | 3.72 | 3.90 | 4.13 | 4.41 |
| | 38 | 4.63 | 6.05 | 8.17 | 9.90 | 11.72 | 13.60 | 3.76 | 3.89 | 4.21 | 4.40 | 4.63 | 4.92 |
| | 43 | 4.17 | 5.42 | 7.53 | 9.24 | 11.03 | 12.87 | 4.26 | 4.30 | 4.67 | 4.86 | 5.10 | 5.38 |
| ZX060BE* | 27 | 7.11 | 8.32 | 9.88 | 11.87 | 14.37 | 17.45 | 3.18 | 3.29 | 3.49 | 3.74 | 4.03 | 4.33 |
| | 32 | 6.24 | 8.08 | 9.65 | 11.56 | 13.87 | 16.67 | 3.61 | 3.89 | 4.09 | 4.34 | 4.62 | 4.92 |
| | 38 | 5.61 | 7.06 | 9.20 | 11.05 | 13.18 | 15.69 | 4.03 | 4.19 | 4.60 | 4.85 | 5.13 | 5.43 |
| | 43 | 5.05 | 6.45 | 8.80 | 10.63 | 12.65 | 14.94 | 4.66 | 4.73 | 5.18 | 5.44 | 5.73 | 6.03 |
| ZX076BE* | 27 | 7.98 | 9.60 | 11.46 | 13.66 | 16.28 | 19.42 | 3.45 | 3.58 | 3.79 | 4.06 | 4.37 | 4.70 |
| | 32 | 7.04 | 9.17 | 10.97 | 13.06 | 15.53 | 18.47 | 3.92 | 4.23 | 4.44 | 4.71 | 5.02 | 5.35 |
| | 38 | 6.20 | 7.62 | 10.18 | 12.17 | 14.50 | 17.25 | 4.38 | 4.57 | 4.99 | 5.27 | 5.57 | 5.90 |
| | 43 | 5.47 | 6.98 | 9.34 | 11.28 | 13.51 | 16.13 | 5.06 | 5.15 | 5.63 | 5.91 | 6.22 | 6.55 |

Notes: *Available on TFD models only
 Data based on dew point
 Rating condition is based on Return Gas Temperature of 18.3°C
 Power includes condenser fan
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZX Family: Medium temperature

Capacity and Power (kW) at 50Hz

R134a

| Model | Ambient temperature (°C) | Capacity Evaporating temperature (°C) | | | | | | | Power Evaporating temperature (°C) | | | | | | |
|----------|--------------------------|--|------|------|------|-------|-------|-------|---------------------------------------|------|------|------|------|------|------|
| | | -20 | -15 | -10 | -5 | 0 | 5 | 10 | -20 | -15 | -10 | -5 | 0 | 5 | 10 |
| ZX020BE | 27 | 1.85 | 2.27 | 2.68 | 3.18 | 3.74 | 4.41 | 5.08 | 0.93 | 0.95 | 0.97 | 1.00 | 1.04 | 1.11 | 1.18 |
| | 32 | 1.65 | 2.04 | 2.44 | 2.89 | 3.39 | 3.96 | 4.54 | 1.00 | 1.02 | 1.03 | 1.07 | 1.13 | 1.19 | 1.26 |
| | 38 | 1.45 | 1.80 | 2.16 | 2.56 | 2.99 | 3.50 | 4.00 | 1.08 | 1.10 | 1.12 | 1.15 | 1.21 | 1.27 | 1.32 |
| | 43 | 1.20 | 1.56 | 1.92 | 2.29 | 2.69 | 3.13 | 3.57 | 1.17 | 1.19 | 1.22 | 1.25 | 1.30 | 1.34 | 1.38 |
| | 48 | 0.95 | 1.32 | 1.67 | 2.02 | 2.39 | 2.76 | 3.14 | 1.26 | 1.29 | 1.32 | 1.35 | 1.39 | 1.41 | 1.44 |
| ZX030BE | 27 | 2.26 | 2.83 | 3.51 | 4.28 | 5.17 | 6.17 | 7.17 | 1.22 | 1.25 | 1.27 | 1.32 | 1.38 | 1.45 | 1.52 |
| | 32 | 2.10 | 2.63 | 3.25 | 3.97 | 4.79 | 5.71 | 6.64 | 1.36 | 1.39 | 1.42 | 1.46 | 1.52 | 1.60 | 1.68 |
| | 38 | 1.90 | 2.37 | 2.93 | 3.58 | 4.31 | 5.14 | 5.97 | 1.55 | 1.56 | 1.59 | 1.64 | 1.71 | 1.79 | 1.88 |
| | 43 | 1.71 | 2.15 | 2.65 | 3.23 | 3.90 | 4.66 | 5.42 | 1.74 | 1.76 | 1.79 | 1.82 | 1.89 | 1.99 | 2.09 |
| | 48 | 1.53 | 1.92 | 2.37 | 2.89 | 3.49 | 4.18 | 4.87 | 1.93 | 1.95 | 1.98 | 2.01 | 2.08 | 2.19 | 2.30 |
| ZX040BE | 27 | 3.09 | 3.82 | 4.65 | 5.59 | 6.71 | 8.03 | 9.36 | 1.55 | 1.63 | 1.72 | 1.80 | 1.88 | 1.91 | 1.93 |
| | 32 | 2.96 | 3.67 | 4.44 | 5.31 | 6.31 | 7.48 | 8.65 | 1.70 | 1.77 | 1.86 | 1.95 | 1.99 | 2.07 | 2.15 |
| | 38 | 2.77 | 3.48 | 4.23 | 5.03 | 5.93 | 6.98 | 8.02 | 1.91 | 1.99 | 2.06 | 2.15 | 2.22 | 2.26 | 2.29 |
| | 43 | 2.47 | 3.21 | 3.95 | 4.72 | 5.53 | 6.45 | 7.36 | 2.11 | 2.19 | 2.27 | 2.33 | 2.40 | 2.44 | 2.47 |
| | 48 | 2.17 | 2.94 | 3.67 | 4.41 | 5.13 | 5.91 | 6.70 | 2.32 | 2.40 | 2.47 | 2.52 | 2.58 | 2.61 | 2.65 |
| ZX050BE* | 27 | 4.19 | 5.26 | 6.44 | 7.69 | 9.01 | 10.37 | 11.72 | 2.08 | 2.12 | 2.19 | 2.28 | 2.41 | 2.57 | 2.73 |
| | 32 | 3.80 | 4.89 | 6.08 | 7.37 | 8.73 | 10.15 | 11.56 | 2.31 | 2.36 | 2.43 | 2.53 | 2.66 | 2.82 | 2.98 |
| | 38 | 3.34 | 4.40 | 5.58 | 6.86 | 8.23 | 9.65 | 11.08 | 2.54 | 2.60 | 2.66 | 2.76 | 2.88 | 3.03 | 3.19 |
| | 43 | 3.03 | 4.03 | 5.17 | 6.42 | 7.76 | 9.16 | 10.57 | 2.79 | 2.83 | 2.90 | 2.98 | 3.10 | 3.23 | 3.36 |
| | 48 | 2.72 | 3.66 | 4.76 | 5.97 | 7.29 | 8.67 | 10.05 | 3.04 | 3.07 | 3.13 | 3.20 | 3.31 | 3.43 | 3.54 |
| ZX060BE* | 27 | 4.61 | 5.65 | 6.92 | 8.31 | 10.15 | 12.35 | 14.56 | 2.10 | 2.18 | 2.31 | 2.46 | 2.62 | 2.80 | 2.97 |
| | 32 | 4.37 | 5.45 | 6.68 | 8.11 | 9.81 | 11.84 | 13.87 | 2.47 | 2.55 | 2.67 | 2.82 | 2.97 | 3.13 | 3.29 |
| | 38 | 4.04 | 5.13 | 6.32 | 7.68 | 9.26 | 11.11 | 12.97 | 2.73 | 2.80 | 2.92 | 3.05 | 3.19 | 3.35 | 3.50 |
| | 43 | 3.66 | 4.80 | 6.02 | 7.36 | 8.88 | 10.66 | 12.43 | 3.05 | 3.12 | 3.22 | 3.35 | 3.48 | 3.62 | 3.76 |
| | 48 | 3.27 | 4.47 | 5.71 | 7.03 | 8.51 | 10.20 | 11.89 | 3.38 | 3.43 | 3.52 | 3.64 | 3.76 | 3.89 | 4.02 |
| ZX076BE* | 27 | 5.16 | 6.44 | 7.84 | 9.61 | 11.72 | 13.72 | 15.72 | 2.27 | 2.37 | 2.50 | 2.67 | 2.85 | 3.03 | 3.22 |
| | 32 | 4.93 | 6.14 | 7.52 | 9.12 | 11.02 | 13.28 | 15.55 | 2.68 | 2.77 | 2.90 | 3.05 | 3.23 | 3.41 | 3.59 |
| | 38 | 4.47 | 5.54 | 6.97 | 8.46 | 10.18 | 12.23 | 14.27 | 2.96 | 3.05 | 3.17 | 3.31 | 3.47 | 3.64 | 3.80 |
| | 43 | 3.96 | 5.19 | 6.50 | 7.95 | 9.60 | 11.51 | 13.43 | 3.31 | 3.39 | 3.50 | 3.63 | 3.78 | 3.93 | 4.08 |
| | 48 | 3.45 | 4.84 | 6.03 | 7.45 | 9.02 | 10.80 | 12.58 | 3.67 | 3.73 | 3.83 | 3.94 | 4.08 | 4.22 | 4.36 |

Notes: * Available on TFD models only
 The rating condition is based on a return gas temperature of 18.3°C.
 Power includes condenser fan.
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZXD Family: Digital medium temperature

R404A

Capacity and Power (kW) at 50 Hz - TFD and TFM

| Model | Ambient temperature (°C) | Capacity Evaporating temperature (°C) | | | | | | Power Evaporating temperature (°C) | | | | | |
|----------|--------------------------|--|-------|-------|-------|-------|-------|---------------------------------------|-------|-------|-------|-------|------|
| | | -20 | -15 | -10 | -5 | 0 | 5 | -20 | -15 | -15 | -5 | 0 | 5 |
| ZXD030BE | 27 | 3.95 | 4.65 | 5.56 | 6.65 | 7.90 | 9.28 | 1.92 | 2.14 | 2.24 | 2.26 | 2.26 | 2.29 |
| | 32 | 3.72 | 4.37 | 5.20 | 6.18 | 7.28 | 8.47 | 2.01 | 2.22 | 2.33 | 2.38 | 2.43 | 2.53 |
| | 38 | 3.32 | 3.94 | 4.69 | 5.55 | 6.48 | 7.45 | 2.27 | 2.46 | 2.56 | 2.63 | 2.73 | 2.90 |
| | 43 | 2.98 | 3.59 | 4.29 | 5.06 | 5.86 | 6.67 | 2.53 | 2.69 | 2.78 | 2.85 | 2.97 | 3.19 |
| ZXD040BE | 27 | 5.92 | 7.11 | 8.35 | 9.64 | 11.01 | 12.46 | 2.70 | 2.85 | 3.02 | 3.21 | 3.43 | 3.68 |
| | 32 | 5.53 | 6.69 | 7.87 | 9.11 | 10.40 | 11.75 | 2.99 | 3.12 | 3.27 | 3.44 | 3.64 | 3.87 |
| | 38 | 4.90 | 6.00 | 7.12 | 8.27 | 9.45 | 10.68 | 3.49 | 3.59 | 3.72 | 3.87 | 4.04 | 4.24 |
| | 43 | 4.23 | 5.28 | 6.33 | 7.40 | 8.48 | 9.59 | 4.02 | 4.10 | 4.21 | 4.34 | 4.50 | 4.68 |
| ZXD050BE | 27 | 7.49 | 9.05 | 10.67 | 12.31 | 13.93 | 15.51 | 3.65 | 3.73 | 3.86 | 4.02 | 4.25 | 4.53 |
| | 32 | 6.56 | 8.12 | 9.76 | 11.43 | 13.10 | 14.74 | 4.11 | 4.20 | 4.32 | 4.50 | 4.72 | 5.00 |
| | 38 | 5.56 | 7.07 | 8.67 | 10.32 | 11.98 | 13.63 | 4.59 | 4.68 | 4.79 | 4.96 | 5.16 | 5.42 |
| | 43 | 4.88 | 6.28 | 7.79 | 9.37 | 10.98 | 12.58 | 5.11 | 5.17 | 5.27 | 5.40 | 5.59 | 5.81 |
| ZXD060BE | 27 | 8.24 | 9.72 | 11.47 | 13.30 | 15.69 | 18.48 | 3.69 | 3.84 | 4.06 | 4.33 | 4.62 | 4.93 |
| | 32 | 7.58 | 9.06 | 10.72 | 12.58 | 14.72 | 17.20 | 4.40 | 4.54 | 4.75 | 5.01 | 5.28 | 5.56 |
| | 38 | 6.74 | 8.25 | 9.83 | 11.55 | 13.48 | 15.69 | 4.93 | 5.05 | 5.25 | 5.47 | 5.72 | 5.98 |
| | 43 | 5.90 | 7.48 | 9.07 | 10.74 | 12.57 | 14.63 | 5.59 | 5.69 | 5.85 | 6.06 | 6.28 | 6.51 |
| ZXD076BE | 27 | 9.22 | 11.07 | 13.00 | 15.37 | 18.12 | 20.53 | 4.00 | 4.17 | 4.41 | 4.70 | 5.03 | 5.35 |
| | 32 | 8.50 | 10.21 | 12.06 | 14.14 | 16.53 | 19.30 | 4.78 | 4.93 | 5.16 | 5.43 | 5.74 | 6.05 |
| | 38 | 7.45 | 8.91 | 10.83 | 12.72 | 14.83 | 17.26 | 5.35 | 5.50 | 5.70 | 5.94 | 6.22 | 6.50 |
| | 43 | 6.39 | 8.09 | 9.80 | 11.61 | 13.59 | 15.81 | 6.07 | 6.19 | 6.36 | 6.57 | 6.82 | 7.07 |
| ZXD090BE | 27 | 11.80 | 13.70 | 14.70 | 16.25 | 18.30 | | 5.10 | 5.20 | 5.50 | 6.50 | 6.20 | |
| | 32 | 10.70 | 12.50 | 14.50 | 16.20 | 17.00 | | 6.20 | 6.30 | 6.40 | 7.10 | 6.80 | |
| | 38 | 10.50 | 12.30 | 14.40 | 16.10 | 16.80 | | 7.80 | 8.20 | 8.50 | 9.40 | 8.40 | |
| | 43 | 9.90 | 11.90 | 13.20 | 14.50 | 15.20 | | 8.42 | 8.80 | 9.56 | 9.90 | 9.20 | |
| ZXD120BE | 27 | 15.94 | 19.72 | 23.35 | 26.67 | 30.50 | | 8.22 | 8.49 | 8.96 | 9.61 | 10.40 | |
| | 32 | 14.82 | 18.47 | 22.12 | 25.63 | 29.07 | | 8.97 | 9.25 | 9.69 | 10.27 | 10.97 | |
| | 38 | 13.37 | 16.84 | 20.50 | 24.22 | 27.85 | | 9.96 | 10.25 | 10.67 | 11.20 | 11.81 | |
| | 43 | 11.74 | 15.04 | 18.70 | 22.57 | 26.52 | | 10.86 | 11.19 | 11.61 | 12.11 | 12.66 | |
| ZXD160BE | 27 | 21.54 | 24.95 | 28.49 | 32.10 | 35.71 | | 10.45 | 10.86 | 11.27 | 11.69 | 12.13 | |
| | 32 | 20.35 | 23.84 | 27.53 | 31.33 | 35.18 | | 11.45 | 11.89 | 12.33 | 12.78 | 13.26 | |
| | 38 | 19.48 | 22.99 | 26.75 | 30.68 | 34.73 | | 12.49 | 12.99 | 13.48 | 13.99 | 14.53 | |
| | 43 | 18.51 | 22.15 | 25.88 | 29.84 | 33.97 | | 13.41 | 13.96 | 14.52 | 15.09 | 15.69 | |
| ZXD200BE | 27 | 25.15 | 30.38 | 35.68 | 41.14 | | | 13.40 | 13.71 | 14.08 | 15.00 | | |
| | 32 | 23.59 | 29.01 | 34.48 | 40.12 | | | 15.78 | 15.89 | 15.96 | 16.37 | | |
| | 38 | 22.20 | 27.27 | 32.79 | 38.45 | | | 18.26 | 18.56 | 18.77 | 18.90 | | |
| | 43 | 21.26 | 26.12 | 31.53 | 37.07 | | | 20.01 | 20.59 | 20.78 | 20.93 | | |

Notes: The rating condition is based on Return Gas Temperature of 18.3°C.
 The rating condition is based on suction superheat of 10K.
 Power includes condenser fan.
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZXD Family: Digital medium temperature

Capacity and Power (kW) at 50 Hz - TFD and TFM

R407F

| Model | Ambient temperature (°C) | Capacity Evaporating temperature (°C) | | | | | | Power Evaporating temperature (°C) | | | | | |
|----------|--------------------------|--|-------|-------|-------|-------|-------|---------------------------------------|------|------|------|------|------|
| | | -10 | -5 | 0 | 5 | 10 | 12 | -10 | -5 | 0 | 5 | 10 | 12 |
| ZXD030BE | 27 | 5.70 | 6.64 | 7.48 | 8.63 | 10.52 | 11.57 | 2.20 | 2.33 | 2.61 | 2.87 | 2.93 | 2.86 |
| | 32 | 5.31 | 6.35 | 7.24 | 8.40 | 10.25 | 11.27 | 2.42 | 2.53 | 2.79 | 3.01 | 3.02 | 2.92 |
| | 38 | 4.72 | 5.84 | 6.75 | 7.88 | 9.64 | 10.62 | 2.79 | 2.90 | 3.14 | 3.33 | 3.30 | 3.19 |
| | 43 | | 5.45 | 6.35 | | | | | 3.23 | 3.47 | | | |
| ZXD040BE | 27 | 7.68 | 9.32 | 11.17 | 13.20 | 15.41 | 16.34 | 2.85 | 3.04 | 3.23 | 3.40 | 3.49 | 3.50 |
| | 32 | 7.30 | 8.93 | 10.73 | 12.69 | 14.77 | 15.64 | 3.13 | 3.30 | 3.50 | 3.70 | 3.86 | 3.90 |
| | 38 | 6.66 | 8.27 | 10.01 | 11.85 | 13.77 | 14.56 | 3.53 | 3.66 | 3.86 | 4.09 | 4.31 | 4.39 |
| | 43 | 6.06 | 7.64 | 9.30 | 11.03 | 12.81 | 13.53 | 3.95 | 4.04 | 4.22 | 4.46 | 4.72 | 4.83 |
| ZXD050BE | 27 | 9.52 | 11.65 | 13.94 | 16.37 | 19.26 | 20.42 | 3.61 | 3.77 | 3.94 | 4.08 | 4.20 | 4.21 |
| | 32 | 9.05 | 11.21 | 13.52 | 15.73 | 18.47 | 19.56 | 3.97 | 4.11 | 4.30 | 4.45 | 4.64 | 4.70 |
| | 38 | 8.11 | 10.33 | 12.69 | 14.81 | 17.35 | 18.37 | 4.40 | 4.54 | 4.77 | 4.95 | 5.23 | 5.33 |
| | 43 | 7.45 | 9.47 | 11.72 | 13.90 | 16.40 | 17.40 | 4.98 | 4.98 | 5.19 | 5.45 | 5.82 | 5.97 |
| ZXD060BE | 27 | 10.37 | 12.69 | 15.70 | 18.80 | 22.69 | 24.24 | 3.80 | 4.18 | 4.49 | 4.58 | 4.62 | 4.86 |
| | 32 | 9.85 | 12.20 | 15.23 | 17.91 | 21.39 | 22.78 | 4.33 | 4.74 | 5.15 | 5.11 | 5.14 | 5.40 |
| | 38 | 9.07 | 11.50 | 14.19 | 16.64 | 19.76 | 21.01 | 4.81 | 5.27 | 5.65 | 5.64 | 5.75 | 6.03 |
| | 43 | 8.41 | 10.59 | 12.99 | 15.41 | 18.34 | 19.52 | 5.40 | 5.72 | 5.99 | 6.06 | 6.26 | 6.54 |
| ZXD076BE | 27 | 13.25 | 15.54 | 18.13 | 21.09 | 24.47 | 25.82 | 4.82 | 4.98 | 5.09 | 5.18 | 5.14 | 5.33 |
| | 32 | 12.59 | 14.78 | 17.21 | 19.96 | 23.07 | 24.32 | 5.50 | 5.59 | 5.71 | 5.74 | 5.71 | 5.94 |
| | 38 | 11.57 | 13.60 | 15.82 | 18.28 | 21.06 | 22.17 | 6.10 | 6.07 | 6.17 | 6.24 | 6.31 | 6.56 |
| | 43 | 10.67 | 12.55 | 14.57 | 16.77 | 19.23 | 20.22 | 6.80 | 6.60 | 6.58 | 6.65 | 6.75 | 6.98 |

Notes: The rating condition is based on suction superheat of 10K
 ZXD030BE rating condition is based on return gas temperature of 18.3°C.
 Power includes condenser fan.
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZXD Family: Digital medium temperature

Capacity and Power (kW) at 50 Hz - TFD and TFM

R448A

| Model | Ambient temperature (°C) | Capacity | | | | | | Power | | | | | |
|----------|--------------------------|------------------------------|-------|-------|-------|-------|-------|------------------------------|-------|-------|-------|-------|------|
| | | Evaporating temperature (°C) | | | | | | Evaporating temperature (°C) | | | | | |
| | | -20 | -15 | -10 | -5 | 0 | 5 | -20 | -15 | -10 | -5 | 0 | 5 |
| ZXD030BE | 27 | 3.31 | 3.99 | 4.89 | 6.03 | 7.41 | 9.02 | 1.68 | 1.89 | 1.99 | 2.02 | 2.03 | 2.08 |
| | 32 | 3.29 | 3.97 | 4.78 | 5.78 | 6.98 | 8.36 | 1.77 | 1.97 | 2.08 | 2.14 | 2.20 | 2.32 |
| | 38 | 2.87 | 3.57 | 4.45 | 5.32 | 6.34 | 7.48 | 1.94 | 2.17 | 2.31 | 2.38 | 2.49 | 2.67 |
| | 43 | 2.63 | 3.25 | 4.16 | 4.96 | 5.85 | 6.82 | 2.18 | 2.36 | 2.51 | 2.60 | 2.73 | 2.96 |
| ZXD040BE | 27 | 4.99 | 6.12 | 7.34 | 8.73 | 10.30 | 12.12 | 2.36 | 2.51 | 2.68 | 2.87 | 3.10 | 3.35 |
| | 32 | 4.96 | 6.08 | 7.25 | 8.53 | 9.98 | 11.63 | 2.62 | 2.76 | 2.91 | 3.09 | 3.29 | 3.52 |
| | 38 | 4.24 | 5.43 | 6.74 | 7.92 | 9.24 | 10.71 | 2.99 | 3.17 | 3.35 | 3.51 | 3.70 | 3.92 |
| | 43 | 3.73 | 4.79 | 6.14 | 7.26 | 8.47 | 9.82 | 3.46 | 3.60 | 3.81 | 3.95 | 4.13 | 4.34 |
| ZXD050BE | 27 | 6.32 | 7.80 | 9.41 | 11.16 | 13.05 | 15.08 | 3.18 | 3.28 | 3.42 | 3.60 | 3.83 | 4.12 |
| | 32 | 5.92 | 7.38 | 8.97 | 10.69 | 12.55 | 14.55 | 3.59 | 3.70 | 3.84 | 4.03 | 4.26 | 4.54 |
| | 38 | 4.81 | 6.40 | 8.22 | 9.91 | 11.73 | 13.68 | 3.93 | 4.13 | 4.33 | 4.51 | 4.73 | 5.01 |
| | 43 | 4.30 | 5.69 | 7.53 | 9.18 | 10.96 | 12.88 | 4.40 | 4.54 | 4.76 | 4.92 | 5.13 | 5.39 |
| ZXD060BE | 27 | 6.96 | 8.35 | 10.01 | 12.08 | 14.69 | 17.96 | 3.21 | 3.41 | 3.64 | 3.91 | 4.19 | 4.48 |
| | 32 | 6.89 | 8.27 | 9.84 | 11.73 | 14.08 | 17.01 | 3.81 | 3.98 | 4.20 | 4.45 | 4.73 | 5.02 |
| | 38 | 5.83 | 7.47 | 9.32 | 11.09 | 13.21 | 15.81 | 4.22 | 4.46 | 4.77 | 5.01 | 5.27 | 5.56 |
| | 43 | 5.20 | 6.78 | 8.78 | 10.52 | 12.52 | 14.92 | 4.81 | 4.99 | 5.27 | 5.49 | 5.74 | 6.02 |
| ZXD076BE | 27 | 7.80 | 9.58 | 11.58 | 13.90 | 16.66 | 19.97 | 3.48 | 3.70 | 3.95 | 4.24 | 4.54 | 4.86 |
| | 32 | 7.60 | 9.28 | 11.13 | 13.28 | 15.82 | 18.87 | 4.13 | 4.33 | 4.57 | 4.84 | 5.14 | 5.46 |
| | 38 | 6.45 | 8.07 | 10.26 | 12.23 | 14.56 | 17.35 | 4.58 | 4.86 | 5.18 | 5.44 | 5.73 | 6.04 |
| | 43 | 5.63 | 7.33 | 9.45 | 11.33 | 13.53 | 16.15 | 5.23 | 5.43 | 5.73 | 5.96 | 6.24 | 6.54 |
| ZXD120BE | 27 | 14.79 | 18.35 | 22.40 | 24.84 | 29.50 | | 7.61 | 7.81 | 8.83 | 9.10 | 9.44 | |
| | 32 | 13.79 | 17.23 | 21.07 | 25.37 | 27.84 | | 8.59 | 8.79 | 9.01 | 9.27 | 10.04 | |
| | 38 | 12.67 | 16.00 | 19.64 | 23.72 | 26.58 | | 9.65 | 9.87 | 10.09 | 10.35 | 10.65 | |
| | 43 | 11.42 | 14.59 | 18.06 | 21.85 | 26.15 | | 10.85 | 11.05 | 11.31 | 11.57 | 11.83 | |
| ZXD160BE | 27 | 19.54 | 22.63 | 26.73 | 31.18 | 35.25 | | 9.45 | 10.11 | 10.77 | 11.43 | 12.03 | |
| | 32 | 18.55 | 22.04 | 26.04 | 30.37 | 34.99 | | 10.45 | 11.15 | 11.85 | 12.52 | 13.13 | |
| | 38 | 18.01 | 21.45 | 25.29 | 29.52 | 34.29 | | 11.57 | 12.33 | 13.08 | 13.79 | 14.48 | |
| | 43 | 17.41 | 20.69 | 24.42 | 28.62 | 33.12 | | 12.59 | 13.40 | 14.13 | 14.87 | 15.61 | |
| ZXD200BE | 27 | 23.91 | 28.13 | 32.59 | 39.39 | | | 12.09 | 12.97 | 13.88 | 14.82 | | |
| | 32 | 23.25 | 27.31 | 31.48 | 38.15 | | | 14.29 | 14.34 | 15.32 | 16.31 | | |
| | 38 | 21.11 | 26.32 | 30.34 | 36.60 | | | 16.67 | 17.89 | 18.11 | 18.21 | | |
| | 43 | 20.32 | 25.26 | 29.17 | 35.04 | | | 18.45 | 19.78 | 20.13 | 20.22 | | |

Notes: Data based on dew point
Rating condition is based on Return Gas Temperature of 18.3°C
Power includes condenser fan

ZXD Family: Digital medium temperature

Capacity and Power (kW) at 50 Hz - TFD and TFM

R449A

| Model | Ambient temperature (°C) | Capacity | | | | | | Power | | | | | |
|----------|--------------------------|------------------------------|-------|-------|-------|-------|-------|------------------------------|-------|-------|-------|-------|------|
| | | Evaporating temperature (°C) | | | | | | Evaporating temperature (°C) | | | | | |
| | | -20 | -15 | -10 | -5 | 0 | 5 | -20 | -15 | -10 | -5 | 0 | 5 |
| ZXD030BE | 27 | 3.37 | 4.02 | 4.87 | 5.94 | 7.24 | 8.81 | 1.66 | 1.86 | 1.94 | 1.96 | 1.97 | 2.03 |
| | 32 | 3.30 | 3.92 | 4.70 | 5.66 | 6.83 | 8.22 | 1.73 | 1.92 | 2.02 | 2.07 | 2.14 | 2.27 |
| | 38 | 2.83 | 3.57 | 4.34 | 5.20 | 6.23 | 7.44 | 1.91 | 2.17 | 2.24 | 2.32 | 2.44 | 2.65 |
| | 43 | 2.56 | 3.25 | 4.05 | 4.84 | 5.77 | 6.84 | 2.11 | 2.36 | 2.44 | 2.53 | 2.68 | 2.94 |
| ZXD040BE | 27 | 5.05 | 6.15 | 7.31 | 8.59 | 10.08 | 11.83 | 2.33 | 2.47 | 2.62 | 2.79 | 3.00 | 3.26 |
| | 32 | 4.92 | 6.00 | 7.12 | 8.35 | 9.77 | 11.44 | 2.57 | 2.69 | 2.83 | 2.99 | 3.20 | 3.45 |
| | 38 | 4.18 | 5.43 | 6.58 | 7.74 | 9.08 | 10.65 | 2.94 | 3.17 | 3.26 | 3.42 | 3.62 | 3.88 |
| | 43 | 3.63 | 4.79 | 5.98 | 7.09 | 8.36 | 9.84 | 3.36 | 3.60 | 3.69 | 3.85 | 4.06 | 4.32 |
| ZXD050BE | 27 | 6.38 | 7.85 | 9.37 | 10.99 | 12.76 | 14.73 | 3.15 | 3.23 | 3.34 | 3.50 | 3.72 | 4.01 |
| | 32 | 5.82 | 7.28 | 8.81 | 10.47 | 12.28 | 14.31 | 3.52 | 3.60 | 3.73 | 3.91 | 4.14 | 4.45 |
| | 38 | 4.75 | 6.40 | 8.03 | 9.68 | 11.53 | 13.60 | 3.86 | 4.13 | 4.21 | 4.39 | 4.63 | 4.95 |
| | 43 | 4.19 | 5.69 | 7.34 | 8.98 | 10.82 | 12.91 | 4.27 | 4.54 | 4.62 | 4.80 | 5.04 | 5.36 |
| ZXD060BE | 27 | 7.02 | 8.40 | 9.97 | 11.90 | 14.36 | 17.54 | 3.18 | 3.35 | 3.56 | 3.80 | 4.06 | 4.36 |
| | 32 | 6.77 | 8.16 | 9.67 | 11.48 | 13.78 | 16.73 | 3.72 | 3.88 | 4.08 | 4.32 | 4.60 | 4.92 |
| | 38 | 5.75 | 7.47 | 9.10 | 10.84 | 12.99 | 15.73 | 4.15 | 4.46 | 4.63 | 4.87 | 5.16 | 5.50 |
| | 43 | 5.07 | 6.78 | 8.56 | 10.28 | 12.36 | 14.96 | 4.67 | 4.99 | 5.11 | 5.35 | 5.64 | 5.99 |
| ZXD0760E | 27 | 7.87 | 9.64 | 11.52 | 13.69 | 16.29 | 19.51 | 3.45 | 3.64 | 3.86 | 4.12 | 4.41 | 4.73 |
| | 32 | 7.47 | 9.15 | 10.94 | 13.00 | 15.48 | 18.56 | 4.04 | 4.22 | 4.43 | 4.69 | 5.00 | 5.34 |
| | 38 | 6.36 | 8.07 | 10.01 | 11.96 | 14.32 | 17.26 | 4.50 | 4.86 | 5.03 | 5.29 | 5.61 | 5.97 |
| | 43 | 5.49 | 7.33 | 9.20 | 11.08 | 13.35 | 16.19 | 5.07 | 5.43 | 5.56 | 5.81 | 6.13 | 6.51 |
| ZXD120BE | 27 | 14.99 | 18.64 | 22.68 | 24.42 | 29.01 | | 7.53 | 7.73 | 8.80 | 9.07 | 9.42 | |
| | 32 | 13.81 | 17.35 | 21.19 | 25.49 | 27.87 | | 8.49 | 8.67 | 8.89 | 9.58 | 9.89 | |
| | 38 | 12.63 | 16.06 | 19.74 | 23.80 | 26.65 | | 9.55 | 9.75 | 9.95 | 10.19 | 11.03 | |
| | 43 | 11.44 | 14.71 | 18.24 | 22.09 | 26.41 | | 10.75 | 10.95 | 11.13 | 11.41 | 11.73 | |
| ZXD160BE | 27 | 19.54 | 22.63 | 26.73 | 31.18 | 35.25 | | 9.45 | 10.11 | 10.79 | 11.43 | 12.03 | |
| | 32 | 18.55 | 22.04 | 26.04 | 30.37 | 34.99 | | 10.45 | 11.15 | 11.87 | 12.54 | 13.18 | |
| | 38 | 18.01 | 21.45 | 25.29 | 29.52 | 34.29 | | 11.59 | 12.35 | 13.08 | 13.84 | 14.48 | |
| | 43 | 17.41 | 20.69 | 24.43 | 28.62 | 33.12 | | 12.61 | 13.40 | 14.23 | 14.94 | 15.61 | |
| ZXD200BE | 27 | 23.91 | 28.13 | 32.59 | 39.39 | | | 12.11 | 13.00 | 13.88 | 14.87 | | |
| | 32 | 23.25 | 27.31 | 31.48 | 38.15 | | | 14.31 | 14.34 | 15.42 | 16.38 | | |
| | 38 | 21.11 | 26.32 | 30.34 | 36.60 | | | 16.67 | 17.89 | 18.11 | 18.21 | | |
| | 43 | 20.32 | 25.26 | 29.17 | 35.04 | | | 18.45 | 19.91 | 20.13 | 20.27 | | |

Notes: Data based on dew point
Rating condition is based on Return Gas Temperature of 18.3°C
Power includes condenser fan

ZXD Family: Digital medium temperature

R134a

Capacity and Power (kW) at 50 Hz - TFD and TFM

| Model | Ambient temperature (°C) | Capacity | | | | | | | Power | | | | | | |
|----------|--------------------------|------------------------------|-------|-------|-------|-------|-------|-------|------------------------------|-------|-------|-------|-------|-------|-------|
| | | Evaporating temperature (°C) | | | | | | | Evaporating temperature (°C) | | | | | | |
| | | -20 | -15 | -10 | -5 | 0 | 5 | 10 | -20 | -15 | -10 | -5 | 0 | 5 | 10 |
| ZXD030BE | 27 | 2.21 | 2.70 | 3.35 | 4.16 | 5.11 | 6.20 | 7.30 | 1.09 | 1.22 | 1.27 | 1.28 | 1.28 | 1.30 | 1.32 |
| | 32 | 2.16 | 2.63 | 3.24 | 3.99 | 4.85 | 5.83 | 6.81 | 1.13 | 1.25 | 1.31 | 1.34 | 1.37 | 1.43 | 1.48 |
| | 38 | 1.99 | 2.45 | 3.02 | 3.69 | 4.45 | 5.28 | 6.10 | 1.26 | 1.36 | 1.42 | 1.47 | 1.52 | 1.62 | 1.72 |
| | 43 | 1.85 | 2.30 | 2.85 | 3.47 | 4.14 | 4.86 | 5.57 | 1.38 | 1.47 | 1.53 | 1.57 | 1.65 | 1.77 | 1.90 |
| | 48 | 1.70 | 2.16 | 2.67 | 3.24 | 3.83 | 4.44 | 5.05 | 1.51 | 1.58 | 1.63 | 1.68 | 1.77 | 1.92 | 2.08 |
| ZXD040BE | 27 | 3.32 | 4.14 | 5.04 | 6.03 | 7.12 | 8.33 | 9.54 | 1.53 | 1.62 | 1.72 | 1.82 | 1.95 | 2.09 | 2.23 |
| | 32 | 3.21 | 4.03 | 4.91 | 5.88 | 6.93 | 8.09 | 9.24 | 1.68 | 1.75 | 1.84 | 1.94 | 2.05 | 2.18 | 2.31 |
| | 38 | 2.94 | 3.73 | 4.58 | 5.50 | 6.49 | 7.57 | 8.64 | 1.93 | 1.99 | 2.07 | 2.16 | 2.26 | 2.37 | 2.49 |
| | 43 | 2.62 | 3.39 | 4.20 | 5.07 | 5.99 | 6.98 | 7.98 | 2.19 | 2.25 | 2.32 | 2.40 | 2.49 | 2.60 | 2.71 |
| | 48 | 2.31 | 3.05 | 3.82 | 4.64 | 5.50 | 6.40 | 7.31 | 2.46 | 2.50 | 2.56 | 2.63 | 2.73 | 2.83 | 2.93 |
| ZXD050BE | 27 | 4.19 | 5.26 | 6.44 | 7.69 | 9.01 | 10.37 | 11.72 | 2.08 | 2.12 | 2.19 | 2.28 | 2.41 | 2.57 | 2.73 |
| | 32 | 3.80 | 4.89 | 6.08 | 7.37 | 8.73 | 10.15 | 11.56 | 2.31 | 2.36 | 2.43 | 2.53 | 2.66 | 2.82 | 2.98 |
| | 38 | 3.34 | 4.40 | 5.58 | 6.86 | 8.23 | 9.65 | 11.08 | 2.54 | 2.60 | 2.66 | 2.76 | 2.88 | 3.03 | 3.19 |
| | 43 | 3.03 | 4.03 | 5.17 | 6.42 | 7.76 | 9.16 | 10.57 | 2.79 | 2.83 | 2.90 | 2.98 | 3.10 | 3.23 | 3.36 |
| | 48 | 2.72 | 3.66 | 4.76 | 5.97 | 7.29 | 8.67 | 10.05 | 3.04 | 3.07 | 3.13 | 3.20 | 3.31 | 3.43 | 3.54 |
| ZXD060BE | 27 | 4.61 | 5.65 | 6.92 | 8.31 | 10.15 | 12.35 | 14.56 | 2.10 | 2.18 | 2.31 | 2.46 | 2.62 | 2.80 | 2.97 |
| | 32 | 4.40 | 5.45 | 6.68 | 8.11 | 9.81 | 11.84 | 13.87 | 2.47 | 2.55 | 2.67 | 2.82 | 2.97 | 3.13 | 3.29 |
| | 38 | 4.04 | 5.13 | 6.32 | 7.68 | 9.26 | 11.11 | 12.97 | 2.73 | 2.80 | 2.92 | 3.05 | 3.19 | 3.35 | 3.50 |
| | 43 | 3.66 | 4.80 | 6.02 | 7.36 | 8.88 | 10.66 | 12.43 | 3.05 | 3.12 | 3.22 | 3.35 | 3.48 | 3.62 | 3.76 |
| | 48 | 3.27 | 4.47 | 5.71 | 7.03 | 8.51 | 10.20 | 11.89 | 3.38 | 3.43 | 3.52 | 3.64 | 3.76 | 3.89 | 4.02 |
| ZXD076BE | 27 | 5.16 | 6.44 | 7.84 | 9.61 | 11.72 | 13.72 | 15.72 | 2.27 | 2.37 | 2.50 | 2.67 | 2.85 | 3.03 | 3.22 |
| | 32 | 4.93 | 6.14 | 7.52 | 9.12 | 11.02 | 13.28 | 15.55 | 2.68 | 2.77 | 2.90 | 3.05 | 3.23 | 3.41 | 3.59 |
| | 38 | 4.47 | 5.54 | 6.97 | 8.46 | 10.18 | 12.23 | 14.27 | 2.96 | 3.05 | 3.17 | 3.31 | 3.47 | 3.64 | 3.80 |
| | 43 | 3.96 | 5.19 | 6.50 | 7.95 | 9.60 | 11.51 | 13.43 | 3.31 | 3.39 | 3.50 | 3.63 | 3.78 | 3.93 | 4.08 |
| | 48 | 3.45 | 4.84 | 6.03 | 7.45 | 9.02 | 10.80 | 12.58 | 3.67 | 3.73 | 3.83 | 3.94 | 4.08 | 4.22 | 4.36 |
| ZXD090BE | 27 | 6.61 | 7.97 | 8.87 | 10.16 | 11.83 | 13.95 | 16.07 | 2.90 | 2.95 | 3.12 | 3.69 | 3.52 | 3.75 | 3.98 |
| | 32 | 6.21 | 7.52 | 9.04 | 10.45 | 11.33 | 13.50 | 15.67 | 3.48 | 3.54 | 3.60 | 3.99 | 3.83 | 4.02 | 4.21 |
| | 38 | 6.30 | 7.65 | 9.26 | 10.71 | 11.54 | 12.70 | 14.56 | 4.32 | 4.55 | 4.73 | 5.24 | 4.69 | 4.96 | 5.23 |
| | 43 | 6.14 | 7.64 | 8.76 | 9.93 | 10.74 | 12.12 | 13.50 | 4.60 | 4.82 | 5.26 | 5.46 | 5.10 | 5.45 | 5.80 |
| | 48 | 5.98 | 7.63 | 8.25 | 9.16 | 9.95 | 11.54 | 12.44 | 4.88 | 5.10 | 5.79 | 5.69 | 5.50 | 5.94 | 6.38 |
| ZXD120BE | 27 | 8.92 | 11.24 | 13.54 | 15.73 | 17.73 | 21.38 | 25.02 | 4.67 | 4.83 | 5.09 | 5.45 | 5.90 | 6.35 | 6.80 |
| | 32 | 8.39 | 10.64 | 12.97 | 15.28 | 17.50 | 21.07 | 24.65 | 5.03 | 5.19 | 5.44 | 5.78 | 6.18 | 6.37 | 6.56 |
| | 38 | 7.67 | 9.83 | 12.17 | 14.62 | 17.09 | 20.62 | 24.15 | 5.51 | 5.69 | 5.93 | 6.24 | 6.60 | 6.75 | 6.90 |
| | 43 | 6.81 | 8.88 | 11.22 | 13.77 | 16.45 | 20.08 | 23.72 | 5.93 | 6.13 | 6.38 | 6.68 | 7.01 | 7.33 | 7.65 |
| | 48 | 5.95 | 7.92 | 10.27 | 12.92 | 15.80 | 19.50 | 23.20 | 6.35 | 6.57 | 6.84 | 7.12 | 7.43 | 7.91 | 8.40 |
| ZXD160BE | 27 | 12.06 | 14.22 | 16.52 | 18.94 | 21.43 | 24.87 | 28.32 | 5.94 | 6.17 | 6.40 | 6.64 | 6.88 | 7.06 | 7.23 |
| | 32 | 11.52 | 13.74 | 16.14 | 18.68 | 21.33 | 24.45 | 27.58 | 6.42 | 6.68 | 6.93 | 7.19 | 7.47 | 7.74 | 8.02 |
| | 38 | 11.18 | 13.42 | 15.88 | 18.52 | 21.32 | 24.21 | 27.10 | 6.91 | 7.21 | 7.49 | 7.80 | 8.12 | 8.28 | 8.45 |
| | 43 | 10.85 | 13.07 | 15.53 | 18.20 | 21.06 | 23.76 | 26.45 | 7.32 | 7.65 | 7.99 | 8.33 | 8.69 | 9.01 | 9.32 |
| | 48 | 10.53 | 12.72 | 15.17 | 17.88 | 20.81 | 23.46 | 26.12 | 7.73 | 8.09 | 8.48 | 8.86 | 9.27 | 9.73 | 10.19 |
| ZXD200BE | 27 | 14.08 | 17.32 | 20.69 | 24.27 | 27.00 | 31.00 | 34.00 | 7.62 | 7.79 | 8.00 | 8.52 | 8.70 | 8.85 | 9.23 |
| | 32 | 13.36 | 16.72 | 20.21 | 23.92 | 26.85 | 30.58 | 33.65 | 8.85 | 8.92 | 8.97 | 9.21 | 9.28 | 9.34 | 9.56 |
| | 38 | 12.51 | 15.92 | 19.47 | 23.21 | 26.25 | 30.12 | 33.25 | 10.11 | 10.30 | 10.44 | 10.53 | 10.69 | 10.81 | 10.92 |
| | 43 | 12.04 | 15.41 | 18.92 | 22.61 | 25.87 | 29.85 | 32.95 | 11.08 | 11.28 | 11.43 | 11.55 | 11.63 | 11.82 | 11.92 |
| | 48 | 11.56 | 14.90 | 18.37 | 22.01 | 25.12 | 29.25 | 32.45 | 12.06 | 12.27 | 12.42 | 12.57 | 12.70 | 12.88 | 13.05 |

Notes: Rating condition is based on Return Gas Temperature of 18.3°C
 Power includes condenser fan.
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZXL Family: Low temperature

Capacity and Power (kW) at 50 Hz - PFJ/TFD

R404A

| Model | Ambient temperature (°C) | Capacity | | | | | | | | | Power | | | | | | | | |
|-----------|--------------------------|------------------------------|------|------|------|-------|-------|-------|-------|-------|------------------------------|------|------|------|------|------|------|------|------|
| | | Evaporating temperature (°C) | | | | | | | | | Evaporating temperature (°C) | | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
| ZXL020BE | 27 | 1.52 | 2.02 | 2.42 | 2.86 | 3.34 | 3.86 | 4.42 | 5.02 | 5.66 | 1.35 | 1.47 | 1.60 | 1.73 | 1.86 | 2.00 | 2.14 | 2.29 | 2.44 |
| | 32 | 1.45 | 1.82 | 2.24 | 2.70 | 3.19 | 3.73 | 4.31 | 4.92 | 5.58 | 1.50 | 1.60 | 1.71 | 1.83 | 1.95 | 2.08 | 2.21 | 2.34 | 2.48 |
| | 38 | 1.25 | 1.49 | 1.93 | 2.40 | 2.92 | 3.47 | 4.07 | 4.70 | 5.38 | 1.72 | 1.81 | 1.91 | 2.01 | 2.12 | 2.23 | 2.34 | 2.46 | 2.59 |
| | 43 | 1.10 | 1.23 | 1.58 | 2.07 | 2.60 | 3.18 | 3.79 | 4.44 | 5.13 | 1.95 | 2.03 | 2.11 | 2.20 | 2.30 | 2.39 | 2.50 | 2.60 | 2.72 |
| | 48 | 0.99 | 1.12 | 1.16 | 1.67 | 2.21 | 2.80 | | | | 2.22 | 2.29 | 2.36 | 2.44 | 2.52 | 2.60 | | | |
| ZXL030BE | 27 | 2.09 | 2.58 | 3.17 | 3.85 | 4.60 | 5.41 | 6.25 | 7.61 | 8.67 | 1.67 | 1.84 | 2.00 | 2.15 | 2.30 | 2.45 | 2.58 | 2.71 | 2.83 |
| | 32 | 2.08 | 2.49 | 3.00 | 3.60 | 4.27 | 5.00 | 5.77 | 7.35 | 8.38 | 1.89 | 2.05 | 2.20 | 2.35 | 2.49 | 2.62 | 2.75 | 2.87 | 2.99 |
| | 38 | 2.00 | 2.33 | 2.77 | 3.31 | 3.92 | 4.59 | 5.31 | 6.95 | 7.95 | 2.31 | 2.45 | 2.60 | 2.73 | 2.86 | 2.99 | 3.10 | 3.21 | 3.32 |
| | 43 | 1.73 | 2.03 | 2.44 | 2.95 | 3.54 | 4.19 | 4.89 | 6.55 | 7.52 | 2.77 | 2.91 | 3.05 | 3.18 | 3.30 | 3.41 | 3.52 | 3.62 | 3.72 |
| | 48 | 1.50 | 1.70 | 2.00 | 2.38 | 2.96 | 3.61 | | | | 3.36 | 3.49 | 3.61 | 3.73 | 3.84 | 3.95 | | | |
| ZXL040BE* | 27 | 3.24 | 3.99 | 4.86 | 5.85 | 6.93 | 8.10 | 9.35 | 10.66 | 12.01 | 2.69 | 2.88 | 3.10 | 3.34 | 3.40 | 3.50 | 4.10 | 4.31 | 4.50 |
| | 32 | 3.02 | 3.77 | 4.63 | 5.58 | 6.63 | 7.75 | 8.93 | 10.16 | 11.43 | 2.99 | 3.17 | 3.39 | 3.64 | 3.90 | 4.17 | 4.43 | 4.67 | 4.88 |
| | 38 | 2.85 | 3.56 | 4.37 | 5.27 | 6.25 | 7.28 | 8.36 | 9.48 | 10.63 | 3.54 | 3.70 | 3.91 | 4.15 | 4.41 | 4.68 | 4.94 | 5.19 | 5.41 |
| | 43 | 2.67 | 3.34 | 4.10 | 4.93 | 5.83 | 6.77 | 7.75 | 8.76 | 9.78 | 4.08 | 4.22 | 4.40 | 4.62 | 4.87 | 5.12 | 5.38 | 5.63 | 5.85 |
| | 48 | 2.38 | 2.99 | 3.68 | 4.43 | 5.23 | 6.06 | | | | 4.63 | 4.73 | 4.88 | 5.07 | 5.29 | 5.52 | | | |
| ZXL050BE* | 27 | 3.80 | 4.58 | 5.58 | 6.78 | 8.12 | 9.57 | 11.09 | 12.64 | 14.19 | 2.92 | 3.16 | 3.39 | 3.62 | 3.86 | 4.09 | 4.40 | 4.58 | 4.83 |
| | 32 | 3.52 | 4.31 | 5.29 | 6.43 | 7.69 | 9.04 | 10.42 | 11.81 | 13.17 | 3.26 | 3.49 | 3.72 | 3.96 | 4.20 | 4.46 | 4.72 | 5.00 | 5.29 |
| | 38 | 3.25 | 4.03 | 4.98 | 6.06 | 7.22 | 8.43 | 9.65 | 10.84 | 11.97 | 3.88 | 4.10 | 4.33 | 4.57 | 4.83 | 5.11 | 5.41 | 5.73 | 6.07 |
| | 43 | 2.99 | 3.77 | 4.69 | 5.71 | 6.78 | 7.87 | 8.95 | 9.97 | 10.89 | 4.43 | 4.64 | 4.87 | 5.12 | 5.40 | 5.70 | 6.03 | 6.39 | 6.77 |
| | 48 | 2.63 | 3.40 | 4.28 | 5.23 | 6.21 | 7.19 | | | | 4.89 | 5.10 | 5.33 | 5.59 | 5.88 | 6.21 | | | |
| ZXL060BE* | 27 | 4.49 | 5.51 | 6.68 | 7.99 | 9.42 | 10.95 | 12.57 | 14.27 | 16.01 | 3.62 | 3.84 | 4.08 | 4.36 | 4.66 | 4.97 | 5.30 | 5.63 | 5.97 |
| | 32 | 4.30 | 5.32 | 6.48 | 7.77 | 9.17 | 10.67 | 12.26 | 13.91 | 15.60 | 4.04 | 4.27 | 4.53 | 4.83 | 5.16 | 5.51 | 5.88 | 6.27 | 6.66 |
| | 38 | 4.07 | 5.02 | 6.12 | 7.34 | 8.66 | 10.08 | 11.57 | 13.11 | 14.70 | 4.60 | 4.84 | 5.12 | 5.44 | 5.80 | 6.19 | 6.61 | 7.05 | 7.51 |
| | 43 | 3.81 | 4.67 | 5.67 | 6.79 | 8.00 | 9.30 | 10.67 | 12.09 | 13.54 | 5.17 | 5.41 | 5.69 | 6.03 | 6.42 | 6.84 | 7.30 | 7.78 | 8.29 |
| | 48 | 3.42 | 4.16 | 5.03 | 6.00 | 7.07 | 8.22 | | | | 5.88 | 6.11 | 6.41 | 6.76 | 7.16 | 7.61 | | | |
| ZXL075BE* | 27 | 4.99 | 6.14 | 7.42 | 8.84 | 10.40 | 12.13 | 14.03 | 16.12 | 18.41 | 3.93 | 4.20 | 4.51 | 4.84 | 5.21 | 5.59 | 6.01 | 6.44 | 6.89 |
| | 32 | 4.75 | 5.90 | 7.14 | 8.50 | 9.99 | 11.61 | 13.39 | 15.33 | 17.45 | 4.35 | 4.63 | 4.94 | 5.30 | 5.68 | 6.10 | 6.55 | 7.03 | 7.53 |
| | 38 | 4.49 | 5.61 | 6.80 | 8.08 | 9.46 | 10.94 | 12.55 | 14.30 | 16.19 | 4.98 | 5.25 | 5.58 | 5.95 | 6.36 | 6.81 | 7.30 | 7.83 | 8.38 |
| | 43 | 4.21 | 5.30 | 6.43 | 7.63 | 8.90 | 10.25 | 11.71 | 13.28 | 14.97 | 5.61 | 5.89 | 6.22 | 6.60 | 7.03 | 7.51 | 8.03 | 8.59 | 9.19 |
| | 48 | 3.81 | 4.85 | 5.91 | 7.01 | 8.16 | 9.38 | | | | 6.38 | 6.65 | 6.98 | 7.38 | 7.82 | 8.32 | | | |

Notes: * Available on TFD models only
 The rating condition is based on the return gas temperature of 5°C.
 Power includes condenser fan.
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZXLD Family: Low temperature

Capacity and Power (kW) at 50 Hz - TFD/TFM

R404A

| Model | Ambient Temperature (°C) | Capacity Evaporating Temperature (°C) | | | | | | Power Evaporating Temperature (°C) | | | | | |
|-----------|--------------------------|---------------------------------------|-------|-------|-------|-------|-------|------------------------------------|-------|-------|-------|-------|-------|
| | | -40 | -35 | -30 | -25 | -20 | -15 | -40 | -35 | -30 | -25 | -20 | -15 |
| ZXLD090BE | 27 | 5.43 | 6.78 | 8.30 | 9.98 | 11.80 | 13.80 | 4.35 | 4.68 | 5.01 | 5.35 | 5.70 | 6.05 |
| | 32 | 5.34 | 6.63 | 8.08 | 9.69 | 11.45 | 13.35 | 4.64 | 5.04 | 5.43 | 5.81 | 6.20 | 6.59 |
| | 38 | 5.29 | 6.47 | 7.83 | 9.34 | 11.00 | 12.80 | 5.00 | 5.49 | 5.96 | 6.43 | 6.88 | 7.32 |
| | 43 | 5.29 | 6.38 | 7.65 | 9.07 | 10.65 | 12.35 | 5.31 | 5.89 | 6.44 | 6.98 | 7.50 | 8.00 |
| ZXLD120BE | Tl | 9.63 | 12.20 | 15.00 | 18.00 | 21.20 | 24.50 | 7.46 | 7.86 | 8.34 | 8.86 | 9.43 | 10.05 |
| | 32 | 9.05 | 11.50 | 14.25 | 17.20 | 20.40 | 23.80 | 8.20 | 8.64 | 9.15 | 9.71 | 10.30 | 10.95 |
| | 38 | 8.81 | 11.05 | 13.60 | 16.40 | 19.45 | 22.70 | 9.07 | 9.56 | 10.15 | 10.75 | 11.45 | 12.20 |
| | 43 | 8.46 | 10.40 | 12.70 | 15.25 | 18.10 | 21.20 | 9.94 | 10.50 | 11.15 | 11.85 | 12.65 | 13.45 |
| ZXLD160BE | 27 | 12.85 | 15.70 | 18.90 | 22.50 | 26.30 | 30.40 | 8.56 | 9.40 | 10.30 | 11.20 | 12.15 | 13.10 |
| | 32 | 12.65 | 15.40 | 18.45 | 21.80 | 25.50 | 29.40 | 9.11 | 10.25 | 11.25 | 12.30 | 13.35 | 14.45 |
| | 38 | 12.60 | 15.10 | 17.90 | 21.10 | 24.50 | 28.20 | 10.05 | 11.30 | 12.50 | 13.75 | 15.00 | 16.20 |
| | 43 | 12.65 | 14.95 | 17.55 | 20.50 | 23.70 | 27.10 | 10.75 | 12.20 | 13.65 | 15.05 | 16.50 | 17.90 |
| ZXLD200BE | Tl | 13.95 | 17.30 | 21.00 | 25.10 | 29.60 | 34.40 | 9.63 | 10.40 | 11.20 | 12.05 | 12.85 | 13.70 |
| | 32 | 13.75 | 16.90 | 20.50 | 24.40 | 28.70 | 33.30 | 10.30 | 11.25 | 12.20 | 13.10 | 14.05 | 15.00 |
| | 38 | 13.65 | 16.55 | 19.85 | 23.50 | 27.60 | 32.00 | 11.15 | 12.30 | 13.45 | 14.55 | 15.65 | 16.75 |
| | 43 | 13.65 | 16.30 | 19.40 | 22.90 | 26.70 | 30.80 | 11.85 | 13.25 | 14.55 | 15.85 | 17.10 | 18.35 |

Notes: Rating condition is based on a return gas temperature of 20°C
 Power input includes condenser fan

ZXL Family: Low temperature

Capacity and Power (kW) at 50 Hz - PFJ/TFD

R407F

| Model | Ambient temperature (°C) | Capacity | | | | | | | | | Power | | | | | | | | |
|-----------------------|--------------------------|------------------------------|------|------|------|-------|-------|-------|-------|-------|------------------------------|------|------|------|------|------|------|------|------|
| | | Evaporating temperature (°C) | | | | | | | | | Evaporating temperature (°C) | | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
| ZXL020BE | 27 | 1.32 | 1.68 | 2.15 | 2.72 | 3.37 | 4.10 | 4.88 | 5.72 | 6.58 | 1.69 | 1.76 | 1.82 | 1.86 | 1.90 | 1.94 | 1.98 | 2.05 | 2.14 |
| | 32 | 1.25 | 1.59 | 2.04 | 2.59 | 3.22 | 3.91 | 4.67 | 5.47 | 6.29 | 1.74 | 1.83 | 1.90 | 1.96 | 2.01 | 2.06 | 2.11 | 2.19 | 2.28 |
| | 38 | 1.14 | 1.47 | 1.91 | 2.43 | 3.04 | 3.71 | 4.43 | 5.19 | 5.98 | 1.80 | 1.93 | 2.03 | 2.12 | 2.20 | 2.27 | 2.35 | 2.45 | 2.57 |
| | 43 | 1.06 | 1.38 | 1.81 | 2.33 | 2.92 | 3.57 | 4.27 | 5.01 | 5.78 | 2.02 | 2.19 | 2.34 | 2.46 | 2.57 | 2.68 | 2.80 | 2.92 | 3.07 |
| | 48 | 1.00 | 1.33 | 1.76 | 2.27 | 2.85 | 3.49 | | | | 2.55 | 2.77 | 2.96 | 3.14 | 3.30 | 3.45 | | | |
| ZXL030BE | 27 | 1.85 | 2.36 | 2.99 | 3.72 | 4.56 | 5.57 | 6.77 | 8.20 | 9.74 | 2.23 | 2.43 | 2.49 | 2.52 | 2.57 | 2.53 | 2.59 | 2.69 | 2.82 |
| | 32 | 1.75 | 2.24 | 2.84 | 3.54 | 4.35 | 5.32 | 6.47 | 7.84 | 9.31 | 2.24 | 2.46 | 2.59 | 2.64 | 2.69 | 2.69 | 2.75 | 2.82 | 2.92 |
| | 38 | 1.60 | 2.07 | 2.65 | 3.33 | 4.11 | 5.04 | 6.14 | 7.45 | 8.85 | 2.26 | 2.45 | 2.67 | 2.81 | 2.94 | 3.01 | 3.13 | 3.23 | 3.36 |
| | 43 | 1.48 | 1.94 | 2.52 | 3.19 | 3.95 | 4.86 | 5.93 | 7.19 | 8.55 | 2.70 | 2.78 | 3.00 | 3.24 | 3.46 | 3.64 | 3.81 | 3.97 | 4.13 |
| | 48 | 1.40 | 1.87 | 2.44 | 3.10 | 3.86 | 4.75 | | | | 3.45 | 3.81 | 3.93 | 4.20 | 4.58 | 4.81 | | | |
| ZXL040BE ¹ | 27 | 3.06 | 3.87 | 4.80 | 5.83 | 7.00 | 8.30 | 9.76 | 11.38 | 13.17 | 2.74 | 2.85 | 3.03 | 3.26 | 3.54 | 3.85 | 4.18 | 4.52 | 4.84 |
| | 32 | 2.93 | 3.72 | 4.60 | 5.59 | 6.70 | 7.94 | 9.33 | 10.86 | 12.56 | 3.08 | 3.19 | 3.38 | 3.63 | 3.93 | 4.26 | 4.61 | 4.97 | 5.32 |
| | 38 | 2.73 | 3.47 | 4.30 | 5.23 | 6.26 | 7.42 | 8.71 | 10.13 | 11.72 | 3.53 | 3.68 | 3.90 | 4.19 | 4.52 | 4.90 | 5.29 | 5.70 | 6.11 |
| | 43 | 2.56 | 3.26 | 4.04 | 4.90 | 5.86 | 6.94 | 8.14 | 9.47 | 10.95 | 3.98 | 4.17 | 4.44 | 4.77 | 5.16 | 5.58 | 6.04 | 6.50 | 6.92 |
| | 48 | 2.42 | 3.07 | 3.78 | 4.58 | 5.47 | 6.46 | | | | 4.52 | 4.77 | 5.10 | 5.49 | 5.94 | 6.44 | | | |
| ZXL050BE ¹ | 27 | 3.50 | 4.25 | 5.33 | 6.70 | 8.28 | 9.99 | 11.75 | 13.47 | 15.08 | 2.95 | 3.13 | 3.28 | 3.45 | 3.63 | 3.94 | 4.25 | 4.60 | 5.12 |
| | 32 | 3.23 | 3.97 | 5.04 | 6.36 | 7.87 | 9.51 | 11.15 | 12.74 | 14.20 | 3.39 | 3.56 | 3.72 | 3.87 | 4.05 | 4.36 | 4.61 | 5.03 | 5.56 |
| | 38 | 2.90 | 3.62 | 4.67 | 5.96 | 7.40 | 8.94 | 10.48 | 11.92 | 13.22 | 4.23 | 4.35 | 4.47 | 4.61 | 4.79 | 5.06 | 5.35 | 5.77 | 6.33 |
| | 43 | 2.69 | 3.38 | 4.42 | 5.68 | 7.08 | 8.55 | 10.00 | 11.34 | 12.47 | 4.99 | 4.98 | 5.09 | 5.22 | 5.51 | 5.85 | 6.17 | 6.50 | 6.94 |
| | 48 | 2.55 | 3.19 | 4.24 | 5.48 | 6.86 | 8.28 | | | | 5.60 | 5.40 | 5.55 | 5.87 | 6.20 | 6.62 | | | |
| ZXL060BE ¹ | 27 | 4.14 | 5.11 | 6.38 | 7.89 | 9.61 | 11.43 | 13.32 | 15.21 | 17.02 | 3.65 | 3.81 | 3.95 | 4.15 | 4.39 | 4.71 | 5.12 | 5.65 | 6.28 |
| | 32 | 3.94 | 4.90 | 6.17 | 7.68 | 9.38 | 11.22 | 13.12 | 15.01 | 16.82 | 4.20 | 4.36 | 4.52 | 4.72 | 4.98 | 5.31 | 5.74 | 6.30 | 7.00 |
| | 38 | 3.60 | 4.52 | 5.74 | 7.22 | 8.88 | 10.69 | 12.56 | 14.42 | 16.23 | 4.97 | 5.13 | 5.29 | 5.49 | 5.75 | 6.09 | 6.54 | 7.10 | 7.83 |
| | 43 | 3.33 | 4.18 | 5.34 | 6.75 | 8.36 | 10.11 | 11.93 | 13.75 | 15.51 | 5.67 | 5.81 | 5.95 | 6.14 | 6.40 | 6.74 | 7.19 | 7.76 | 8.49 |
| | 48 | 3.13 | 3.90 | 4.98 | 6.29 | 7.81 | 9.47 | | | | 6.36 | 6.48 | 6.61 | 6.78 | 7.02 | 7.34 | | | |
| ZXL075BE ¹ | 27 | 4.60 | 5.69 | 7.08 | 8.73 | 10.61 | 12.66 | 14.87 | 17.18 | 19.57 | 3.97 | 4.17 | 4.37 | 4.61 | 4.91 | 5.30 | 5.81 | 6.46 | 7.30 |
| | 32 | 4.36 | 5.44 | 6.80 | 8.41 | 10.22 | 12.21 | 14.33 | 16.54 | 18.82 | 4.53 | 4.73 | 4.93 | 5.17 | 5.48 | 5.88 | 6.40 | 7.07 | 7.92 |
| | 38 | 3.98 | 5.05 | 6.38 | 7.94 | 9.70 | 11.60 | 13.63 | 15.73 | 17.87 | 5.38 | 5.57 | 5.77 | 6.00 | 6.30 | 6.70 | 7.22 | 7.89 | 8.74 |
| | 43 | 3.68 | 4.75 | 6.06 | 7.59 | 9.30 | 11.14 | 13.09 | 15.10 | 17.14 | 6.15 | 6.32 | 6.50 | 6.72 | 7.01 | 7.40 | 7.90 | 8.57 | 9.41 |
| | 48 | 3.49 | 4.55 | 5.85 | 7.35 | 9.01 | 10.80 | | | | 6.90 | 7.05 | 7.20 | 7.40 | 7.66 | 8.03 | | | |

Notes: ¹ Available on TFD models only
 The rating condition is based on the Return Gas Temperature of 5°C.
 Power includes condenser fan.
 Ambient 38°C and 43°C are typical design conditions for unit selection.

| Model | Ambient temperature (°C) | Capacity | | | | | | | | | | Power | | | | | | | | |
|-----------------------|--------------------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|-------|-------|-------|-------|-------|-------|-------|--|
| | | Evaporating temperature (°C) | | | | | | | | | | Evaporating temperature (°C) | | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | |
| ZXL020BE | 27 | 1.18 | 1.54 | 1.94 | 2.38 | 2.86 | 3.38 | 3.95 | 4.57 | 5.24 | 1.09 | 1.23 | 1.36 | 1.49 | 1.61 | 1.74 | 1.87 | 2.01 | 2.15 | |
| | 32 | 1.12 | 1.45 | 1.83 | 2.26 | 2.74 | 3.27 | 3.86 | 4.51 | 5.21 | 1.22 | 1.35 | 1.48 | 1.60 | 1.71 | 1.83 | 1.94 | 2.06 | 2.18 | |
| | 38 | 1.00 | 1.29 | 1.64 | 2.05 | 2.52 | 3.06 | 3.66 | 4.32 | 5.06 | 1.39 | 1.52 | 1.63 | 1.74 | 1.84 | 1.94 | 2.03 | 2.12 | 2.21 | |
| | 43 | 0.87 | 0.97 | 1.25 | 1.68 | 2.19 | 2.76 | 3.32 | 3.95 | 4.90 | 1.59 | 1.66 | 1.72 | 1.82 | 1.89 | 1.98 | 2.11 | 2.20 | 2.32 | |
| | 48 | 0.78 | 0.88 | 0.92 | 1.33 | 1.78 | 2.25 | | | | 1.81 | 1.86 | 1.92 | 1.98 | 2.07 | 2.12 | | | | |
| ZXL030BE | 27 | 1.64 | 2.04 | 2.56 | 3.19 | 3.94 | 4.80 | 5.77 | 6.87 | 8.08 | 1.35 | 1.54 | 1.70 | 1.85 | 1.99 | 2.12 | 2.25 | 2.37 | 2.49 | |
| | 32 | 1.61 | 1.93 | 2.38 | 2.95 | 3.65 | 4.48 | 5.44 | 6.54 | 7.76 | 1.54 | 1.73 | 1.90 | 2.05 | 2.18 | 2.30 | 2.42 | 2.53 | 2.63 | |
| | 38 | 1.60 | 1.84 | 2.21 | 2.74 | 3.40 | 4.22 | 5.18 | 6.30 | 7.56 | 1.89 | 2.08 | 2.24 | 2.38 | 2.49 | 2.60 | 2.69 | 2.77 | 2.84 | |
| | 43 | 1.37 | 1.61 | 1.93 | 2.39 | 2.99 | 3.64 | 4.28 | 5.83 | 7.18 | 2.26 | 2.37 | 2.48 | 2.62 | 2.71 | 2.83 | 2.97 | 3.06 | 3.17 | |
| | 48 | 1.19 | 1.34 | 1.58 | 1.89 | 2.38 | 2.90 | | | | 2.74 | 2.84 | 2.93 | 3.02 | 3.15 | 3.22 | | | | |
| ZXL040BE ¹ | 27 | 2.52 | 3.18 | 3.98 | 4.90 | 5.94 | 7.09 | 8.34 | 9.69 | 11.12 | 2.17 | 2.32 | 2.51 | 2.73 | 2.97 | 3.22 | 3.48 | 3.74 | 3.98 | |
| | 32 | 2.34 | 3.00 | 3.78 | 4.68 | 5.69 | 6.80 | 8.01 | 9.31 | 10.69 | 2.43 | 2.66 | 2.90 | 3.16 | 3.42 | 3.67 | 3.91 | 4.12 | 4.30 | |
| | 38 | 2.30 | 2.90 | 3.63 | 4.46 | 5.39 | 6.42 | 7.54 | 8.73 | 10.00 | 2.60 | 2.92 | 3.24 | 3.55 | 3.84 | 4.10 | 4.32 | 4.49 | 4.61 | |
| | 43 | 2.11 | 2.65 | 3.25 | 4.00 | 4.92 | 5.88 | 6.78 | 7.80 | 9.34 | 3.32 | 3.44 | 3.58 | 3.81 | 3.99 | 4.25 | 4.54 | 4.76 | 4.99 | |
| | 48 | 1.88 | 2.36 | 2.90 | 3.52 | 4.20 | 4.86 | | | | 3.78 | 3.85 | 3.96 | 4.11 | 4.33 | 4.50 | | | | |
| ZXL050BE ¹ | 27 | 2.96 | 3.65 | 4.57 | 5.68 | 6.96 | 8.37 | 9.89 | 11.49 | 13.13 | 2.36 | 2.63 | 2.89 | 3.12 | 3.34 | 3.56 | 3.78 | 4.01 | 4.24 | |
| | 32 | 2.72 | 3.41 | 4.31 | 5.39 | 6.60 | 7.93 | 9.35 | 10.82 | 12.31 | 2.65 | 2.94 | 3.20 | 3.45 | 3.69 | 3.93 | 4.16 | 4.40 | 4.66 | |
| | 38 | 2.57 | 3.25 | 4.10 | 5.10 | 6.22 | 7.43 | 8.69 | 9.98 | 11.27 | 3.15 | 3.44 | 3.71 | 3.97 | 4.21 | 4.45 | 4.69 | 4.94 | 5.20 | |
| | 43 | 2.37 | 2.99 | 3.72 | 4.63 | 5.72 | 6.84 | 7.83 | 8.88 | 10.40 | 3.61 | 3.78 | 3.97 | 4.22 | 4.43 | 4.73 | 5.08 | 5.41 | 5.77 | |
| | 48 | 2.08 | 2.69 | 3.38 | 4.16 | 4.99 | 5.77 | | | | 3.99 | 4.15 | 4.33 | 4.53 | 4.82 | 5.07 | | | | |
| ZXL060BE ¹ | 27 | 3.50 | 4.41 | 5.48 | 6.71 | 8.08 | 9.59 | 11.22 | 12.97 | 14.82 | 2.93 | 3.20 | 3.48 | 3.76 | 4.04 | 4.33 | 4.62 | 4.93 | 5.25 | |
| | 32 | 3.33 | 4.23 | 5.29 | 6.51 | 7.87 | 9.37 | 11.00 | 12.75 | 14.60 | 3.28 | 3.59 | 3.90 | 4.21 | 4.53 | 4.85 | 5.18 | 5.52 | 5.88 | |
| | 38 | 3.30 | 4.10 | 5.06 | 6.19 | 7.46 | 8.87 | 10.41 | 12.07 | 13.84 | 3.81 | 4.12 | 4.43 | 4.74 | 5.06 | 5.39 | 5.72 | 6.07 | 6.43 | |
| | 43 | 3.01 | 3.70 | 4.49 | 5.51 | 6.75 | 8.08 | 9.34 | 10.77 | 12.93 | 4.21 | 4.41 | 4.64 | 4.98 | 5.26 | 5.68 | 6.16 | 6.58 | 7.07 | |
| | 48 | 2.71 | 3.29 | 3.97 | 4.77 | 5.68 | 6.60 | | | | 4.80 | 4.97 | 5.21 | 5.48 | 5.87 | 6.21 | | | | |
| ZXL075BE ¹ | 27 | 3.89 | 4.92 | 6.09 | 7.41 | 8.92 | 10.62 | 12.52 | 14.66 | 17.04 | 3.18 | 3.51 | 3.84 | 4.17 | 4.51 | 4.87 | 5.24 | 5.64 | 6.06 | |
| | 32 | 3.68 | 4.69 | 5.83 | 7.12 | 8.56 | 10.19 | 12.01 | 14.05 | 16.31 | 3.53 | 3.90 | 4.26 | 4.62 | 4.99 | 5.38 | 5.77 | 6.19 | 6.63 | |
| | 38 | 3.65 | 4.59 | 5.65 | 6.83 | 8.15 | 9.64 | 11.31 | 13.17 | 15.25 | 4.06 | 4.43 | 4.80 | 5.17 | 5.55 | 5.93 | 6.32 | 6.74 | 7.18 | |
| | 43 | 3.33 | 4.20 | 5.10 | 6.19 | 7.51 | 8.90 | 10.25 | 11.83 | 14.30 | 4.57 | 4.80 | 5.07 | 5.45 | 5.76 | 6.23 | 6.77 | 7.27 | 7.84 | |
| | 48 | 3.01 | 3.83 | 4.66 | 5.58 | 6.56 | 7.53 | | | | 5.21 | 5.41 | 5.67 | 5.98 | 6.41 | 6.79 | | | | |
| ZXL120BE ¹ | 27 | 8.15 | 10.30 | 12.84 | 15.71 | 18.97 | 22.63 | 26.73 | 31.18 | 34.52 | 6.87 | 7.27 | 7.74 | 8.29 | 8.89 | 9.51 | 10.13 | 10.76 | 11.32 | |
| | 32 | 8.09 | 10.19 | 12.60 | 15.37 | 18.55 | 22.04 | 26.04 | 30.37 | 33.58 | 7.56 | 8.03 | 8.58 | 9.19 | 9.83 | 10.49 | 11.15 | 11.78 | 12.35 | |
| | 38 | 7.33 | 9.22 | 11.35 | 13.79 | 16.57 | 19.74 | 23.26 | 27.16 | 31.55 | 8.46 | 9.03 | 9.68 | 10.36 | 11.08 | 11.81 | 12.52 | 13.21 | 13.87 | |
| | 43 | 6.75 | 8.38 | 10.29 | 12.47 | 14.97 | 17.79 | 21.00 | 24.61 | 28.48 | 9.27 | 9.93 | 10.64 | 11.39 | 12.15 | 12.93 | 13.64 | 14.35 | 15.06 | |
| ZXL160BE ¹ | 27 | 10.46 | 13.04 | 16.31 | 19.95 | 23.84 | 28.08 | 32.36 | 37.04 | | 7.83 | 8.52 | 9.26 | 10.03 | 10.85 | 11.71 | 12.60 | 13.49 | | |
| | 32 | 10.22 | 12.75 | 15.86 | 19.38 | 23.18 | 27.20 | 31.48 | 35.70 | | 8.73 | 9.59 | 10.46 | 11.36 | 12.30 | 13.28 | 14.18 | 15.20 | | |
| | 38 | 9.79 | 12.41 | 15.42 | 18.77 | 22.39 | 26.20 | 30.30 | 34.23 | | 9.73 | 10.78 | 11.84 | 12.92 | 13.98 | 15.14 | 16.18 | 17.34 | | |
| | 43 | 9.61 | 12.07 | 14.91 | 18.08 | 21.50 | 25.15 | 28.90 | 32.88 | | 10.34 | 11.59 | 12.80 | 14.01 | 15.24 | 16.47 | 17.70 | 18.94 | | |
| ZXL200BE ¹ | 27 | 11.72 | 14.83 | 18.31 | 22.11 | 26.26 | 30.48 | 35.23 | 39.68 | | 8.76 | 9.49 | 10.24 | 11.02 | 11.85 | 12.69 | 13.53 | 14.45 | | |
| | 32 | 11.53 | 14.67 | 18.31 | 22.31 | 25.57 | 30.05 | 34.62 | 39.59 | | 9.33 | 10.17 | 11.04 | 11.93 | 12.84 | 13.74 | 14.69 | 15.63 | | |
| | 38 | 11.45 | 14.52 | 18.08 | 21.99 | 25.16 | 29.48 | 33.98 | 38.67 | | 10.26 | 11.30 | 12.34 | 13.40 | 14.45 | 15.50 | 16.56 | 17.61 | | |
| | 43 | 11.05 | 13.89 | 17.18 | 20.86 | 24.86 | 29.05 | 33.54 | 38.02 | | 10.87 | 12.11 | 13.34 | 14.55 | 15.72 | 16.96 | 18.09 | 19.22 | | |

Notes: ¹ Available on TFD models only
 Data based on dew point
 The rating condition is based on the Return Gas Temperature of 5°C
 Power includes condenser fan
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZXL Family: Low temperature

Capacity and Power (kW) at 50 Hz - PFJ/TFD

R449A

| Model | Ambient temperature (°C) | Capacity | | | | | | | | | | Power | | | | | | | |
|-----------------------|--------------------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | | Evaporating temperature (°C) | | | | | | | | | | Evaporating temperature (°C) | | | | | | | |
| | | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 |
| ZXL020BE | 27 | 1.18 | 1.55 | 1.95 | 2.38 | 2.86 | 3.38 | 3.95 | 4.58 | 5.27 | 1.09 | 1.23 | 1.36 | 1.49 | 1.61 | 1.74 | 1.87 | 2.01 | 2.15 |
| | 32 | 1.12 | 1.46 | 1.84 | 2.27 | 2.75 | 3.27 | 3.86 | 4.50 | 5.22 | 1.22 | 1.35 | 1.48 | 1.60 | 1.71 | 1.83 | 1.94 | 2.06 | 2.18 |
| | 38 | 0.97 | 1.15 | 1.49 | 1.90 | 2.50 | 3.04 | 3.65 | 4.33 | 5.08 | 1.37 | 1.43 | 1.51 | 1.61 | 1.83 | 1.94 | 2.03 | 2.12 | 2.21 |
| | 43 | 0.85 | 0.95 | 1.22 | 1.63 | 2.14 | 2.69 | 3.23 | 3.95 | 4.71 | 1.54 | 1.60 | 1.67 | 1.76 | 1.91 | 1.99 | 2.12 | 2.24 | 2.34 |
| | 48 | 0.76 | 0.86 | 0.89 | 1.29 | 1.73 | 2.19 | | | | 1.75 | 1.80 | 1.86 | 1.95 | 2.12 | 2.18 | | | |
| ZXL030BE | 27 | 1.64 | 2.05 | 2.57 | 3.20 | 3.94 | 4.80 | 5.77 | 6.87 | 8.08 | 1.35 | 1.54 | 1.70 | 1.85 | 1.99 | 2.12 | 2.25 | 2.37 | 2.49 |
| | 32 | 1.61 | 1.93 | 2.37 | 2.94 | 3.64 | 4.48 | 5.44 | 6.54 | 7.78 | 1.54 | 1.73 | 1.90 | 2.05 | 2.18 | 2.30 | 2.42 | 2.53 | 2.63 |
| | 38 | 1.56 | 1.80 | 2.14 | 2.62 | 3.36 | 4.22 | 5.18 | 6.29 | 7.56 | 1.84 | 1.94 | 2.05 | 2.19 | 2.47 | 2.60 | 2.69 | 2.77 | 2.84 |
| | 43 | 1.33 | 1.56 | 1.88 | 2.33 | 2.91 | 3.55 | 4.17 | 5.83 | 6.91 | 2.18 | 2.30 | 2.41 | 2.54 | 2.74 | 2.84 | 2.98 | 3.11 | 3.20 |
| | 48 | 1.15 | 1.31 | 1.53 | 1.84 | 2.32 | 2.82 | | | | 2.65 | 2.75 | 2.84 | 2.98 | 3.23 | 3.32 | | | |
| ZXL040BE ¹ | 27 | 2.51 | 3.19 | 3.99 | 4.91 | 5.94 | 7.09 | 8.35 | 9.71 | 11.19 | 2.15 | 2.28 | 2.47 | 2.70 | 2.96 | 3.23 | 3.49 | 3.73 | 3.94 |
| | 32 | 2.34 | 3.01 | 3.80 | 4.70 | 5.70 | 6.80 | 8.00 | 9.31 | 10.71 | 2.39 | 2.62 | 2.87 | 3.14 | 3.41 | 3.66 | 3.88 | 4.05 | 4.16 |
| | 38 | 2.22 | 2.75 | 3.38 | 4.17 | 5.36 | 6.40 | 7.52 | 8.74 | 10.04 | 2.83 | 2.92 | 3.09 | 3.32 | 3.80 | 4.11 | 4.36 | 4.53 | 4.60 |
| | 43 | 2.05 | 2.57 | 3.16 | 3.89 | 4.79 | 5.73 | 6.61 | 7.80 | 8.98 | 3.22 | 3.33 | 3.47 | 3.69 | 4.05 | 4.26 | 4.56 | 4.84 | 5.03 |
| | 48 | 1.83 | 2.30 | 2.82 | 3.43 | 4.09 | 4.74 | | | | 3.66 | 3.73 | 3.84 | 4.06 | 4.44 | 4.64 | | | |
| ZXL050BE ¹ | 27 | 2.95 | 3.66 | 4.58 | 5.69 | 6.96 | 8.37 | 9.90 | 11.52 | 13.21 | 2.33 | 2.59 | 2.85 | 3.10 | 3.34 | 3.57 | 3.80 | 4.00 | 4.19 |
| | 32 | 2.72 | 3.44 | 4.34 | 5.41 | 6.61 | 7.93 | 9.34 | 10.81 | 12.32 | 2.60 | 2.88 | 3.16 | 3.43 | 3.69 | 3.92 | 4.14 | 4.34 | 4.51 |
| | 38 | 2.53 | 3.11 | 3.85 | 4.80 | 6.19 | 7.41 | 8.68 | 9.98 | 11.30 | 3.10 | 3.24 | 3.42 | 3.66 | 4.17 | 4.47 | 4.74 | 4.98 | 5.18 |
| | 43 | 2.30 | 2.90 | 3.62 | 4.51 | 5.57 | 6.66 | 7.63 | 8.87 | 10.00 | 3.49 | 3.66 | 3.84 | 4.09 | 4.49 | 4.75 | 5.11 | 5.50 | 5.82 |
| | 48 | 2.02 | 2.61 | 3.28 | 4.05 | 4.86 | 5.62 | | | | 3.86 | 4.02 | 4.19 | 4.47 | 4.94 | 5.22 | | | |
| ZXL060BE ¹ | 27 | 3.48 | 4.41 | 5.48 | 6.70 | 8.07 | 9.58 | 11.22 | 13.00 | 14.91 | 2.89 | 3.15 | 3.43 | 3.72 | 4.03 | 4.34 | 4.64 | 4.93 | 5.19 |
| | 32 | 3.33 | 4.25 | 5.32 | 6.53 | 7.88 | 9.37 | 10.99 | 12.74 | 14.61 | 3.23 | 3.53 | 3.85 | 4.18 | 4.52 | 4.84 | 5.16 | 5.45 | 5.71 |
| | 38 | 3.17 | 3.87 | 4.73 | 5.81 | 7.43 | 8.85 | 10.40 | 12.08 | 13.87 | 3.67 | 3.83 | 4.05 | 4.35 | 5.00 | 5.40 | 5.77 | 6.11 | 6.41 |
| | 43 | 2.93 | 3.60 | 4.37 | 5.36 | 6.57 | 7.87 | 9.10 | 10.76 | 12.43 | 4.08 | 4.27 | 4.49 | 4.82 | 5.33 | 5.70 | 6.19 | 6.69 | 7.13 |
| | 48 | 2.63 | 3.19 | 3.86 | 4.65 | 5.53 | 6.43 | | | | 4.64 | 4.81 | 5.04 | 5.41 | 6.01 | 6.39 | | | |
| ZXL075BE ¹ | 27 | 3.87 | 4.92 | 6.10 | 7.41 | 8.90 | 10.60 | 12.52 | 14.69 | 17.14 | 3.14 | 3.45 | 3.79 | 4.14 | 4.51 | 4.88 | 5.26 | 5.63 | 5.99 |
| | 32 | 3.67 | 4.73 | 5.88 | 7.16 | 8.58 | 10.19 | 12.00 | 14.04 | 16.34 | 3.47 | 3.83 | 4.21 | 4.59 | 4.98 | 5.37 | 5.74 | 6.10 | 6.44 |
| | 38 | 3.50 | 4.33 | 5.26 | 6.40 | 8.11 | 9.61 | 11.29 | 13.17 | 15.28 | 3.98 | 4.15 | 4.41 | 4.76 | 5.48 | 5.94 | 6.38 | 6.79 | 7.16 |
| | 43 | 3.24 | 4.08 | 4.96 | 6.03 | 7.31 | 8.67 | 9.99 | 11.82 | 13.75 | 4.42 | 4.65 | 4.91 | 5.28 | 5.84 | 6.25 | 6.81 | 7.39 | 7.90 |
| | 48 | 2.93 | 3.72 | 4.53 | 5.43 | 6.39 | 7.33 | | | | 5.04 | 5.24 | 5.49 | 5.90 | 6.57 | 6.99 | | | |
| ZXL120BE ¹ | 27 | 8.15 | 10.30 | 12.84 | 15.71 | 18.97 | 22.63 | 26.73 | 31.18 | 34.52 | 6.87 | 7.25 | 7.73 | 8.28 | 8.89 | 9.51 | 10.15 | 10.76 | 11.32 |
| | 32 | 8.09 | 10.19 | 12.60 | 15.37 | 18.55 | 22.04 | 26.04 | 30.37 | 33.58 | 7.56 | 8.03 | 8.57 | 9.19 | 9.83 | 10.49 | 11.17 | 11.80 | 12.40 |
| | 38 | 7.33 | 9.18 | 11.35 | 13.79 | 16.57 | 19.74 | 23.26 | 27.16 | 31.55 | 8.49 | 9.05 | 9.70 | 10.38 | 11.10 | 11.83 | 12.53 | 13.25 | 13.87 |
| | 43 | 6.75 | 8.38 | 10.29 | 12.47 | 14.97 | 17.79 | 21.01 | 24.61 | 28.48 | 9.27 | 9.93 | 10.64 | 11.39 | 12.17 | 12.93 | 13.73 | 14.42 | 15.06 |
| ZXL160BE ¹ | 27 | 10.46 | 13.04 | 16.31 | 19.95 | 23.84 | 28.08 | 32.36 | 37.04 | | 7.80 | 8.50 | 9.26 | 10.03 | 10.85 | 11.71 | 12.62 | 13.53 | |
| | 32 | 10.22 | 12.75 | 15.90 | 19.38 | 23.18 | 27.20 | 31.48 | 35.70 | | 8.73 | 9.59 | 10.46 | 11.36 | 12.30 | 13.28 | 14.20 | 15.20 | |
| | 38 | 9.79 | 12.41 | 15.42 | 18.77 | 22.34 | 26.20 | 30.30 | 34.23 | | 9.73 | 10.80 | 11.87 | 12.93 | 14.00 | 15.14 | 16.27 | 17.34 | |
| | 43 | 9.61 | 12.07 | 14.91 | 18.08 | 21.50 | 25.15 | 28.90 | 32.88 | | 10.34 | 11.59 | 12.80 | 14.12 | 15.36 | 16.47 | 17.70 | 18.94 | |
| ZXL200BE ¹ | 27 | 11.69 | 14.93 | 18.63 | 22.75 | 25.83 | 30.39 | 35.20 | 40.13 | | 8.74 | 9.48 | 10.25 | 11.06 | 11.91 | 12.78 | 13.65 | 14.62 | |
| | 32 | 11.43 | 14.54 | 18.15 | 22.12 | 25.57 | 30.05 | 34.62 | 39.59 | | 9.33 | 10.17 | 11.04 | 11.93 | 12.86 | 13.74 | 14.69 | 15.70 | |
| | 38 | 11.45 | 14.52 | 18.08 | 21.99 | 25.16 | 29.48 | 33.97 | 38.67 | | 10.26 | 11.31 | 12.37 | 13.41 | 14.45 | 15.50 | 16.56 | 17.61 | |
| | 43 | 11.05 | 13.89 | 17.18 | 20.88 | 24.86 | 29.05 | 33.54 | 38.02 | | 10.87 | 12.11 | 13.34 | 14.55 | 15.72 | 16.96 | 18.09 | 19.26 | |

Notes: ¹ Available on TFD models only
 Data based on dew point
 The rating condition is based on the Return Gas Temperature of 5°C
 Power includes condenser fan
 Ambient 38°C and 43°C are typical design conditions for unit selection.

ZX Family: Medium temperature

Technical data at 50 Hz - PFJ

| Family | | | | ZX | | |
|----------------------|-----------------------|-------------|---------|------------------|---------|-------|
| Nominal rating | Horsepower | HP | 2 | 3 | 4 | |
| Model name | | | ZX020BE | ZX030BE | ZX040BE | |
| Performance | R404A | ET/AT/RGT | °C | -6.7/32/18.3 | | |
| | | Capacity | kW | 4.30 | 6.00 | 7.80 |
| | | COP | W/W | 2.26 | 2.35 | 2.29 |
| | R407F | ET/AT/RGT | °C | -6.7/32/18.3 | | |
| | | Capacity | kW | 4.40 | 6.31 | 8.37 |
| | | COP | W/W | 2.32 | 2.38 | 2.38 |
| | R448A | ET/AT/RGT | °C | -6.7/32/18.3 | | |
| | | Capacity | kW | 4.00 | 5.61 | 7.33 |
| | | COP | W/W | 2.40 | 2.50 | 2.40 |
| | R449A | ET/AT/RGT | °C | -6.7/32/18.3 | | |
| | | Capacity | kW | 3.92 | 5.50 | 7.18 |
| | | COP | W/W | 2.40 | 2.50 | 2.50 |
| | R134a | ET/AT/RGT | °C | -7/32/18.3 | | |
| | | Capacity | kW | 2.71 | 3.68 | 4.97 |
| COP | | W/W | 2.57 | 2.55 | 2.60 | |
| Sound pressure level | @1m | dB(A) | 56 | | | |
| Compressor | Rated load ampere | | Amp | 13.2 | 16.4 | 20.0 |
| | Locked rotor ampere | | Amp | 58.0 | 82.0 | 114.0 |
| | Oil type | | | POE | | |
| | Oil recharge volume | R404A/R407F | Liters | 1.18 | 1.33 | 1.83 |
| Fan motor | Number of fan | | Pieces | 1 | 1 | 1 |
| | Diameter | | mm | 450 | 450 | 450 |
| | Fan speed | | rpm | 830 | 830 | 830 |
| | Air flow | Total | m³/h | 3483 | 3483 | 3483 |
| | Total fan motor power | Input | W | 116 | 116 | 116 |
| Others | Oil separator | Volume | Liters | 0.5 | 0.5 | 0.5 |
| | Receiver volume | R404A | kg | 4.4 | 4.4 | 4.4 |
| | | R407F | kg | 4.5 | 4.5 | 4.5 |
| | | R448A/R449A | kg | 4.7 | 4.7 | 4.7 |
| | | R134a | kg | 4.4 | 4.4 | 4.4 |
| | Pipes | Suction OD | Inch | 3/4 | 3/4 | 3/4 |
| | | Liquid OD | Inch | 1/2 | 1/2 | 1/2 |
| | Dimension | W x D x H | mm | 1029 x 424 x 840 | | |
| Weight | Net | kg | 76 | 79 | 100 | |
| | Gross | kg | 114 | 117 | 138 | |

ZX Family: Medium temperature

Technical data at 50 Hz - TFD

| Family | | | | ZX | | | | | |
|----------------------|-----------------------|-------------|---------|------------------|---------|---------|-------------------|---------|-------|
| Nominal rating | Horsepower | HP | 2 | 3 | 4 | 5 | 6 | 7.6 | |
| Model name | | | ZX020BE | ZX030BE | ZX040BE | ZX050BE | ZX060BE | ZX076BE | |
| Performance | R404A | ET/AT/RGT | °C | -6.7/32/18.3 | | | | | |
| | | Capacity | kW | 4.30 | 6.00 | 7.80 | 10.70 | 11.80 | 13.46 |
| | | COP | W/W | 2.26 | 2.35 | 2.29 | 2.40 | 2.41 | 2.50 |
| | R407F | ET/AT/RGT | °C | -6.7/32/18.3 | | | | | |
| | | Capacity | kW | 4.40 | 6.31 | 8.37 | 10.49 | 11.68 | 12.98 |
| | | COP | W/W | 2.32 | 2.38 | 2.38 | 2.44 | 2.56 | 2.55 |
| | R448A | ET/AT/RGT | °C | -6.7/32/18.3 | | | | | |
| | | Capacity | kW | 4.00 | 5.61 | 7.33 | 10.14 | 11.13 | 12.6 |
| | | COP | W/W | 2.40 | 2.50 | 2.40 | 2.60 | 2.50 | 2.60 |
| | R449A | ET/AT/RGT | °C | -6.7/32/18.3 | | | | | |
| | | Capacity | kW | 3.92 | 5.5 | 7.18 | 9.94 | 10.91 | 12.35 |
| | | COP | W/W | 2.40 | 2.50 | 2.50 | 2.60 | 2.60 | 2.70 |
| | R134a | ET/AT/RGT | °C | -7/32/18.3 | | | | | |
| | | Capacity | kW | 2.71 | 3.68 | 4.97 | 6.86 | 7.54 | 8.48 |
| COP | | W/W | 2.57 | 2.55 | 2.60 | 2.75 | 2.73 | 2.83 | |
| Sound pressure level | @1m | dB(A) | 56 | | | 60 | | | |
| Compressor | Rated load ampere | Amp | 5.0 | 6.1 | 7.5 | 9.6 | 11.5 | 11.8 | |
| | Locked rotor ampere | Amp | 26.0 | 36.0 | 44.3 | 58.6 | 67.0 | 101.0 | |
| | Oil type | | POE | | | | | | |
| | Oil recharge volume | Liters | 1.18 | 1.33 | 1.83 | 1.83 | 1.66 | 1.66 | |
| Fan motor | Number of fan | Pieces | 1 | 1 | 1 | 2 | 2 | 2 | |
| | Diameter | mm | 450 | 450 | 450 | 450 | 450 | 450 | |
| | Fan speed | rpm | 830 | 830 | 830 | 830 | 830 | 830 | |
| | Air flow | Total | m³/h | 2922 | 2922 | 2922 | 5910 | 5910 | 5910 |
| | Total fan motor power | Input | W | 116 | 116 | 116 | 246 | 246 | 246 |
| Others | Oil separator | Volume | Liters | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | Receiver volume | R404A | kg | 4.4 | 4.4 | 4.4 | 6.3 | 6.3 | 6.3 |
| | | R407F | kg | 4.5 | 4.5 | 4.5 | 6.4 | 6.4 | 6.4 |
| | | R448A/R449A | kg | 4.7 | 4.7 | 4.7 | 6.7 | 6.7 | 6.7 |
| | | R134a | kg | 4.4 | 4.4 | 4.4 | 6.6 | 6.6 | 6.6 |
| | Pipes | Suction OD | Inch | 3/4 | 3/4 | 7/8 | 7/8 | 7/8 | 7/8 |
| | | Liquid OD | Inch | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| | Dimension | W x D x H | mm | 1029 x 424 x 840 | | | 1029 x 424 x 1242 | | |
| Weight | Net | kg | 76 | 79 | 100 | 108 | 112 | 121 | |
| | Gross | kg | 114 | 117 | 121 | 152 | 156 | 154 | |

ZXD Family: Digital medium temperature

Technical data at 50 Hz - TFD and TFM

| Family | | | | ZXD | | | | | | | | | |
|----------------------|-----------------------|-----------------|--------|---------------------|-------------------|----------|----------|----------|------------|--------------------|-----------|-----------|-------|
| Nominal rating | Horse-power | HP | | 3 | 4 | 5 | 6 | 7.6 | 9 | 12 | 16 | 20 | |
| Model name | | | | ZXD030BE | ZXD040BE | ZXD050BE | ZXD060BE | ZXD076BE | ZXD090BE | ZXD120BE | ZXD160BE | ZXD200BE | |
| Performance | R404A | ET/AT/RGT | °C | -6.7/32/18.3 | | | | | | | | | |
| | | Capacity | kW | 5.82 | 8.30 | 10.70 | 11.80 | 13.46 | 15.52 | 24.22 | 29.81 | 37.86 | |
| | | COP | W/W | 2.45 | 2.47 | 2.43 | 2.41 | 2.49 | 2.28 | 2.41 | 2.37 | 2.34 | |
| | R407F | ET/AT/RGT | °C | -6.7/32/18.3 | | | | | | | | | |
| | | Capacity | kW | 6.04 | 8.28 | 10.34 | 11.26 | 13.90 | / | / | / | / | |
| | | COP | W/W | 2.47 | 2.71 | 2.73 | 2.46 | 2.50 | / | / | / | / | |
| | R448A | ET/AT/RGT | °C | -6.7/32/18.3 | | | | | -7/32/18.3 | | | | |
| | | Capacity | kW | 5.42 | 8.07 | 10.08 | 11.04 | 12.50 | / | 23.60 | 28.60 | 35.50 | |
| | | COP | W/W | 2.55 | 2.67 | 2.55 | 2.53 | 2.64 | / | 2.58 | 2.34 | 2.23 | |
| | R449A | ET/AT/RGT | °C | -6.7/32/18.3 | | | | | -7/32/18.3 | | | | |
| | | Capacity | kW | 5.33 | 7.93 | 9.90 | 10.87 | 12.30 | / | 23.80 | 28.60 | 35.50 | |
| | | COP | W/W | 2.60 | 2.70 | 2.58 | 2.56 | 2.67 | / | 2.55 | 2.33 | 2.22 | |
| | R134a | ET/AT/RGT | °C | -7/32/18 | | | | | | | | | |
| | | Capacity | kW | 3.69 | 5.49 | 6.86 | 7.54 | 8.48 | 9.88 | 14.35 | 17.66 | 22.44 | |
| | | COP | W/W | 2.78 | 2.89 | 2.75 | 2.73 | 2.83 | 2.58 | 2.50 | 2.50 | 2.50 | |
| Sound pressure level | @1m | dB(A) | 56 | 60 | | | | 62 | 65 | 69 | 69 | | |
| Compressor | Rated load ampere | Amp | 7.4 | 7.7 | 10.4 | 9.6 | 12.4 | 14.6 | 9.6+10.1 | 11.1 + 11.1 | 14.6+14.6 | | |
| | Locked rotor ampere | Amp | 40.0 | 48.0 | 64.0 | 74.0 | 100.0 | 102 | 74+74 | 100+74 | 102+102 | | |
| | Oil type | | POE | | | | | | | | | | |
| | Oil recharge volume | R404A/ R407F | Liters | 1.12 | 1.24 | 1.77 | 1.77 | 1.77 | 1.89 | 1.9+1.8 | 1.9 + 1.9 | 1.9 + 1.9 | |
| Fan motor | Number of fan | Pieces | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | | |
| | Diameter | mm | 450 | 450 | 450 | 450 | 450 | 450 | 600 | 600 | 630 | | |
| | Fan speed | rpm | 830 | 830 | 830 | 830 | 830 | 830 | 930 | 930 | 920 | | |
| | Air flow | Total | m³/h | 2922 | 5910 | 5910 | 5910 | 5910 | 5910 | 13940 | 13940 | 16410 | |
| | Total fan motor power | Input | W | 116 | 246 | 246 | 246 | 246 | 246 | 700 | 700 | 960 | |
| Others | Oil separator | Volume | Liters | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 4 | 4 | 4 | |
| | Receiver volume | | kg | 4.4 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 17 | 21.6 | 21.6 | |
| | Pipes | Suction OD | Inch | 3/4 | 7/8 | 7/8 | 7/8 | 7/8 | 7/8 | 7/8 | 1 3/8 | 1 3/8 | 1 3/8 |
| | | Liquid OD | Inch | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 |
| | Dimension | W x D x H | mm | 1029 x 424 x 840 | 1029 x 424 x 1242 | | | | | 1619 x 1010 x 1124 | | | |
| Weight | Net | kg | 85 | 104 | 112 | 114 | 122 | 138 | 357 | 362 | 362 | | |
| | Gross | kg | 123 | 148 | 156 | 158 | 171 | 158 | 457 | 462 | 462 | | |

ZXL Family: Low temperature

Technical data at 50 Hz - PFJ

| Family | | | | ZXL | | |
|----------------------|-----------------------|-------------|-----------|------------|------------------|-----|
| Nominal rating | | Horsepower | HP | 2 | 3 | |
| Model name | | | | ZXL020BE | ZXL030BE | |
| Performance | R404A | ET/AT/RGT | °C | -32/32/5°C | | |
| | | Capacity | kW | 2.11 | 2.8 | |
| | | COP | W/W | 1.24 | 1.29 | |
| | R407F | ET/AT/RGT | °C | -32/32/5°C | | |
| | | Capacity | kW | 1.86 | 2.6 | |
| | | COP | W/W | 0.99 | 1.02 | |
| | R448A | ET/AT/RGT | °C | -32/32/5°C | | |
| | | Capacity | kW | 1.68 | 2.18 | |
| | | COP | W/W | 1.19 | 1.20 | |
| | R449A | ET/AT/RGT | °C | -32/32/5°C | | |
| | | Capacity | kW | 1.69 | 2.20 | |
| | | COP | W/W | 1.19 | 1.20 | |
| Sound pressure level | | @1m | dB(A) | 56 | | |
| Compressor | Rated load ampere | | Amp | 12.7 | 15.1 | |
| | Locked rotor ampere | | Amp | 56.6 | 82.3 | |
| | Oil type | | | POE | | |
| | Oil recharge volume | | Liters | 0.56 | 0.56 | |
| Fan motor | Number of fan | | Pieces | 1 | 1 | |
| | Diameter | | mm | 450 | 450 | |
| | Fan speed | | rpm | 830 | 830 | |
| | Air flow | Total | m³/h | 2922 | 2922 | |
| | Total fan motor power | | Input | W | 116 | 116 |
| Others | Oil separator | | Volume | Liters | 0.5 | 0.5 |
| | Receiver volume | R404A | kg | 4.4 | 4.4 | |
| | | R407F | kg | 4.5 | 4.5 | |
| | | R448A/R449A | kg | 4.7 | 4.7 | |
| | Pipes | Suction OD | Inch | 3/4 | 3/4 | |
| | | Liquid OD | Inch | 1/2 | 1/2 | |
| | Dimension | | W x D x H | mm | 1029 x 424 x 840 | |
| | Weight | Net | | kg | 79 | 81 |
| Gross | | kg | 117 | 119 | | |

ZXL Family: Low temperature

Technical data at 50 Hz - TFD

| Family | | | | ZXL | | | | | |
|---------------------|-----------------------|---------------------|-------------------|------------------|----------|----------|-------------------|----------|----------|
| Nominal rating | Horsepower | HP | | 2 | 3 | 4 | 5 | 6 | 7.5 |
| Model name | | | | ZXL020B0 | ZXL030B0 | ZXL040B0 | ZXL050B0 | ZXL060B0 | ZXL075B0 |
| | | | | ZXL020BE | ZXL030BE | ZXL040BE | ZXL050BE | ZXL060BE | ZXL075BE |
| Performance | R404A | ET/AT/RGT | °C | -32/32/5°C | | | | | |
| | | Capacity | kW | 2.11 | 2.8 | 4.26 | 4.99 | 5.91 | 6.65 |
| | | COP | W/W | 1.24 | 1.29 | 1.29 | 1.36 | 1.33 | 1.38 |
| | R407F | ET/AT/RGT | °C | -32/32/5°C | | | | | |
| | | Capacity | kW | 1.86 | 2.60 | 4.25 | 4.61 | 5.66 | 6.25 |
| | | COP | W/W | 0.99 | 1.02 | 1.29 | 1.26 | 1.27 | 1.29 |
| | R448A | ET/AT/RGT | °C | -32/32/5°C | | | | | |
| | | Capacity | kW | 1.68 | 2.18 | 3.45 | 3.93 | 4.84 | 5.36 |
| | | COP | W/W | 1.17 | 1.19 | 1.23 | 1.27 | 1.28 | 1.30 |
| | R449A | ET/AT/RGT | °C | -32/32/5°C | | | | | |
| | | Capacity | kW | 1.69 | 2.20 | 3.46 | 3.95 | 4.89 | 5.42 |
| | | COP | W/W | 1.19 | 1.20 | 1.23 | 1.28 | 1.31 | 1.34 |
| | Sound pressure level | @1m | dB(A) | 56 | | | 60 | | |
| | Compressor | Rated load ampere | Amp | 5.6 | 6.0 | 8.6 | 10.0 | 11.1 | 14.6 |
| | | Locked rotor ampere | Amp | 39.2 | 39.2 | 51.5 | 51.5 | 74.0 | 101.0 |
| Oil type | | | POE | | | | | | |
| Oil recharge volume | | Liters | 0.56 | 0.56 | 1.24 | 1.24 | 1.77 | 1.77 | |
| Fan motor | Number of fan | Pieces | 1 | 1 | 1 | 2 | 2 | 2 | |
| | Diameter | mm | 450 | 450 | 450 | 450 | 450 | 450 | |
| | Fan speed | rpm | 830 | 830 | 830 | 830 | 830 | 830 | |
| | Air flow | Total | m ³ /h | 2922 | 2922 | 2922 | 5910 | 5910 | 5910 |
| | Total fan motor power | Input | W | 116 | 116 | 116 | 246 | 246 | 246 |
| Others | Oil separator | Volume | Liters | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| | Receiver volume | R404A | kg | 4.4 | 4.4 | 4.4 | 6.3 | 6.3 | 6.3 |
| | | R407F | kg | 4.5 | 4.5 | 4.5 | 6.4 | 6.4 | 6.4 |
| | | R448A/R449A | kg | 4.7 | 4.7 | 4.7 | 6.7 | 6.7 | 6.7 |
| | Pipes | Suction OD | Inch | 3/4 | 3/4 | 7/8 | 7/8 | 7/8 | 7/8 |
| | | Liquid OD | Inch | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| | Dimension | W x D x H | mm | 1029 x 424 x 840 | | | 1029 x 424 x 1242 | | |
| | Weight | Net | kg | 79 | 81 | 93 | 106 | 116 | 121 |
| Gross | | kg | 117 | 119 | 131 | 150 | 165 | 170 | |

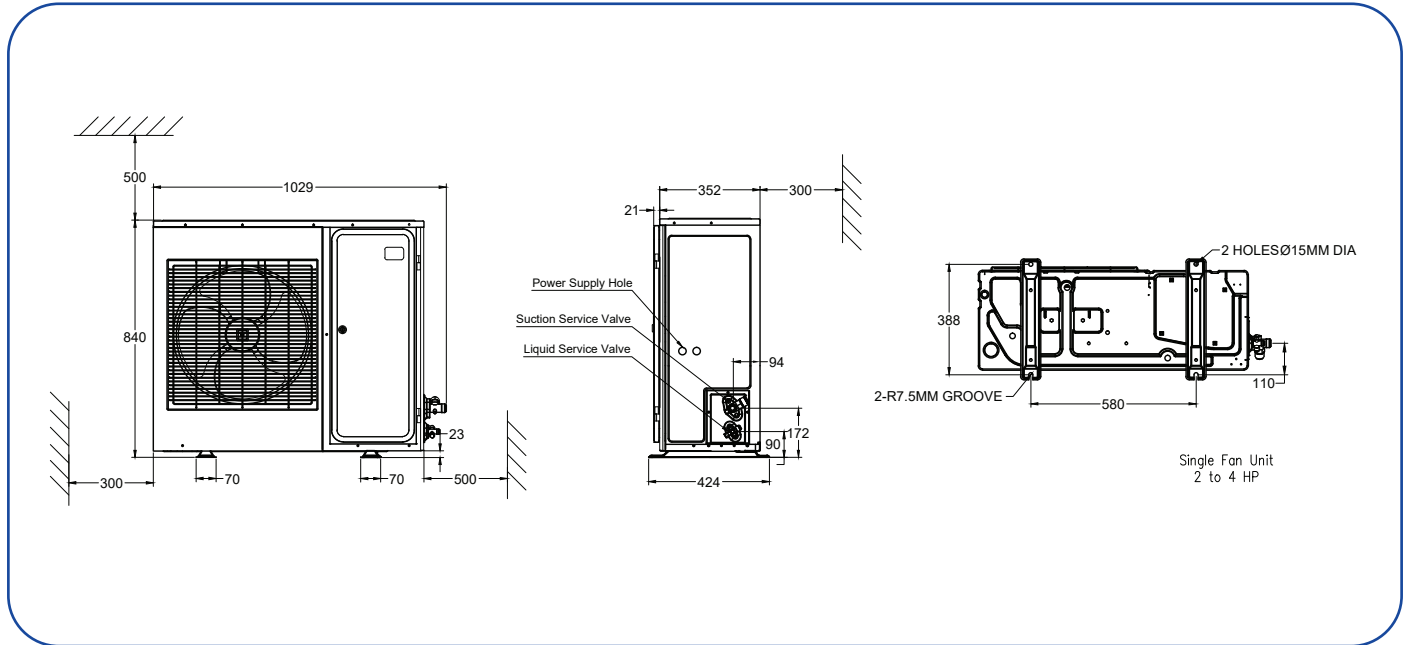
ZXLD Family: Low temperature

Technical data at 50 Hz -TFD and TFM

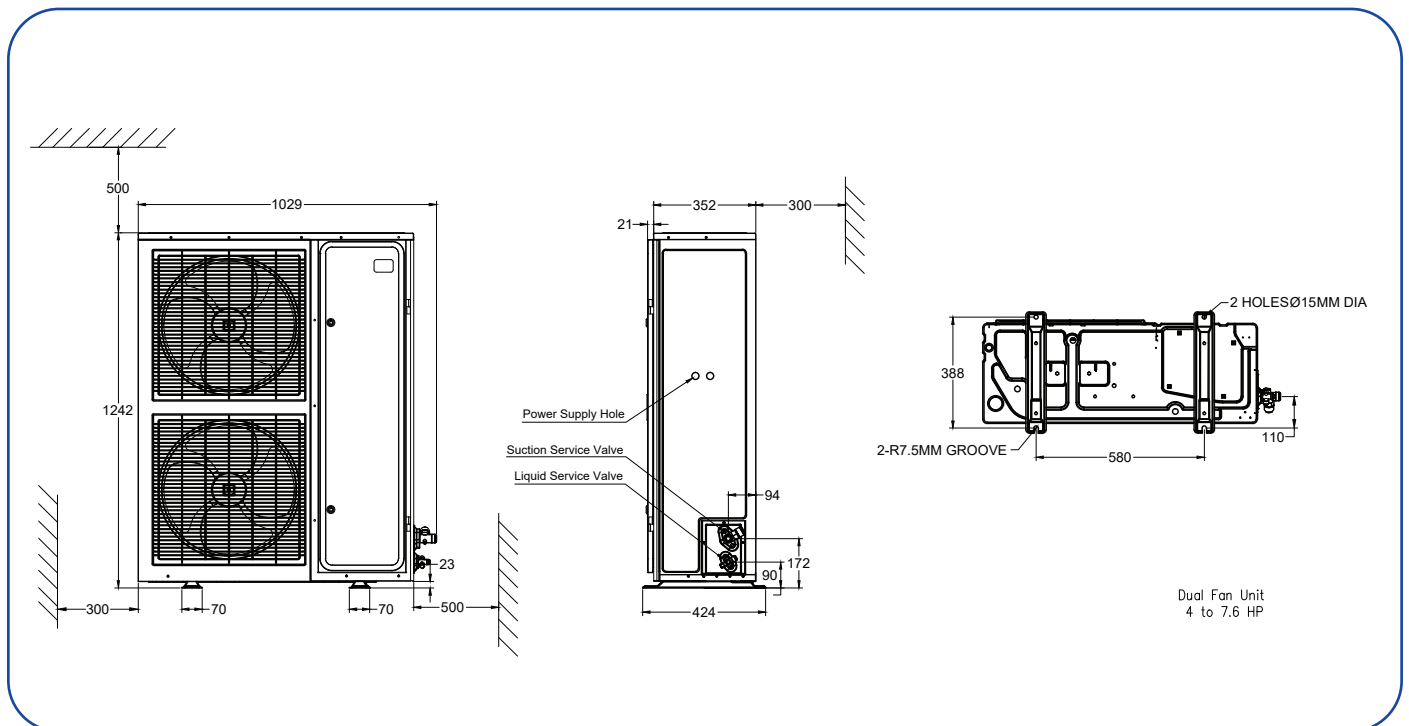
| Family | | | | ZXLD | | | | |
|---------------------|---------------------------|---------------------|-------------------|-------------------|--------------------|-----------|-------------------|-----------|
| Nominal rating | Horsepower | HP | | 9 | 12 | 16 | 20 | |
| Model name | | | | ZXLD090BE | ZXLD120BE | ZXLD160BE | ZXLD200BE | |
| Performance | R404A | ET/AT/RGT | °C | -32/32/5 | | | | |
| | | Capacity | kW | 7.24 | 11.76 | 15.72 | 17.91 | |
| | | COP | W/W | 1.38 | 1.30 | 1.42 | 1.52 | |
| | R448A | ET/AT/RGT | °C | -32/32/5 | | | | |
| | | Capacity | kW | / | 11.64 | 14.62 | 16.85 | |
| | | COP | W/W | / | 1.39 | 1.45 | 1.58 | |
| | R449A | ET/AT/RGT | °C | -32/32/5 | | | | |
| | | Capacity | kW | / | 11.64 | 14.64 | 16.71 | |
| | | COP | W/W | / | 1.39 | 1.45 | 1.56 | |
| | Sound pressure level | @1m | dB(A) | 62 | 69 | 69 | 69 | |
| | Compressor | Rated load ampere | | Amp | 14.6 | 11.1+11.1 | 14.6 + 14.6 | 14.6+15.6 |
| | | Locked rotor ampere | | Amp | 102 | 74+74 | 102+102 | 102+121 |
| Oil type | | | | POE | | | | |
| Oil recharge volume | | | Liters | 1.89 | 1.9+1.9 | 1.9 + 1.9 | 1.9 + 1.9 | |
| Fan motor | Number of fan | | Pieces | 2 | 2 | 2 | 2 | |
| | Diameter | | mm | 450 | 600 | 600 | 630 | |
| | Fan speed | | rpm | 830 | 930 | 930 | 920 | |
| | Air flow | Total | m ³ /h | 5910 | 13940 | 13940 | 16410 | |
| | Total fan motor power | Input | W | 246 | 700 | 700 | 960 | |
| Others | Oil separator | Volume | Liters | 0.5 | 4 | 4 | 4 | |
| | Receiver volume (at 32°C) | | kg | 6.3 | 17 | 21.6 | 21.6 | |
| | Pipes | Suction OD | inch | 7/8 | 1 3/8 | 1 3/8 | 1 3/8 | |
| | | Liquid OD | inch | 1/2 | 3/4 | 3/4 | 3/4 | |
| | Dimension | W x D x H | mm | 1029 x 424 x 1242 | 1645 x 1010 x 1066 | | 2033 x 857 x 1235 | |
| | Weight | Net | | kg | 138 | 362 | 362 | 362 |
| Gross | | | kg | 158 | 462 | 462 | 462 | |

Dimensional drawings

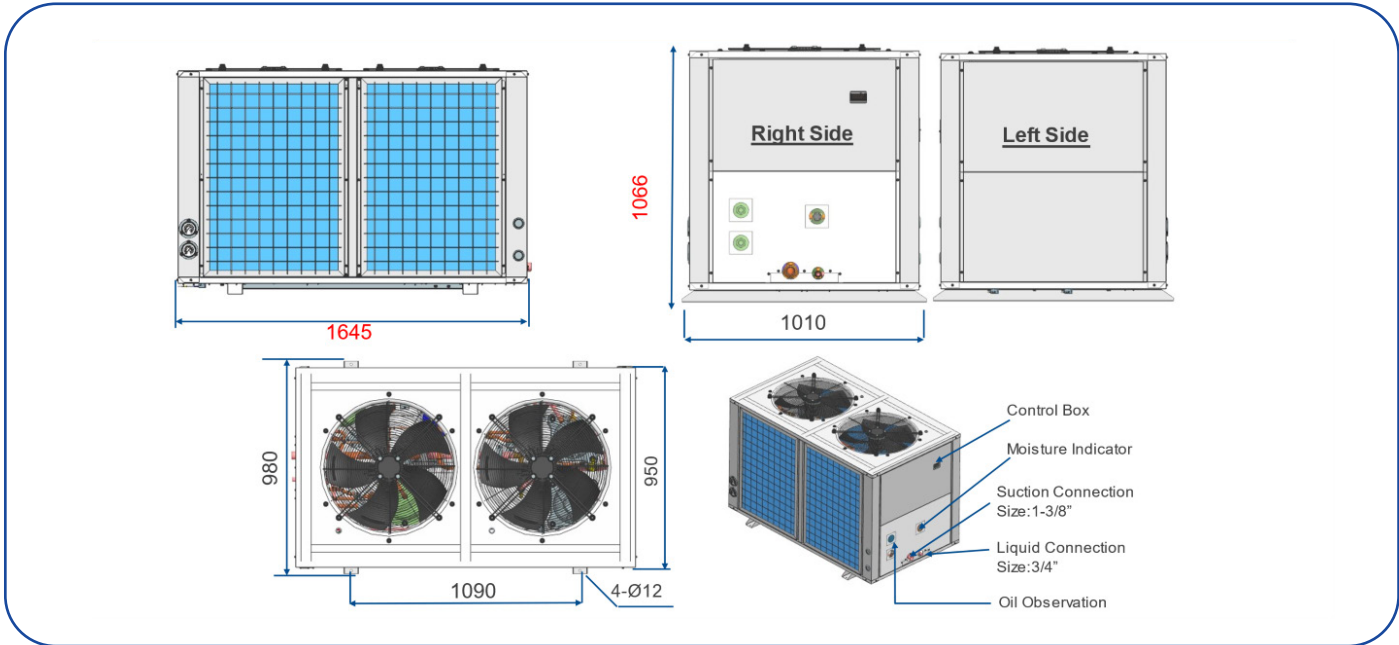
- ZX-PFJ (2 HP-4 HP)
- ZX-TFD (2HP-4HP)
- ZXL-PFJ (2HP-3HP)
- ZXL-TFD (2HP-4HP)
- ZXD-TFD (3HP)



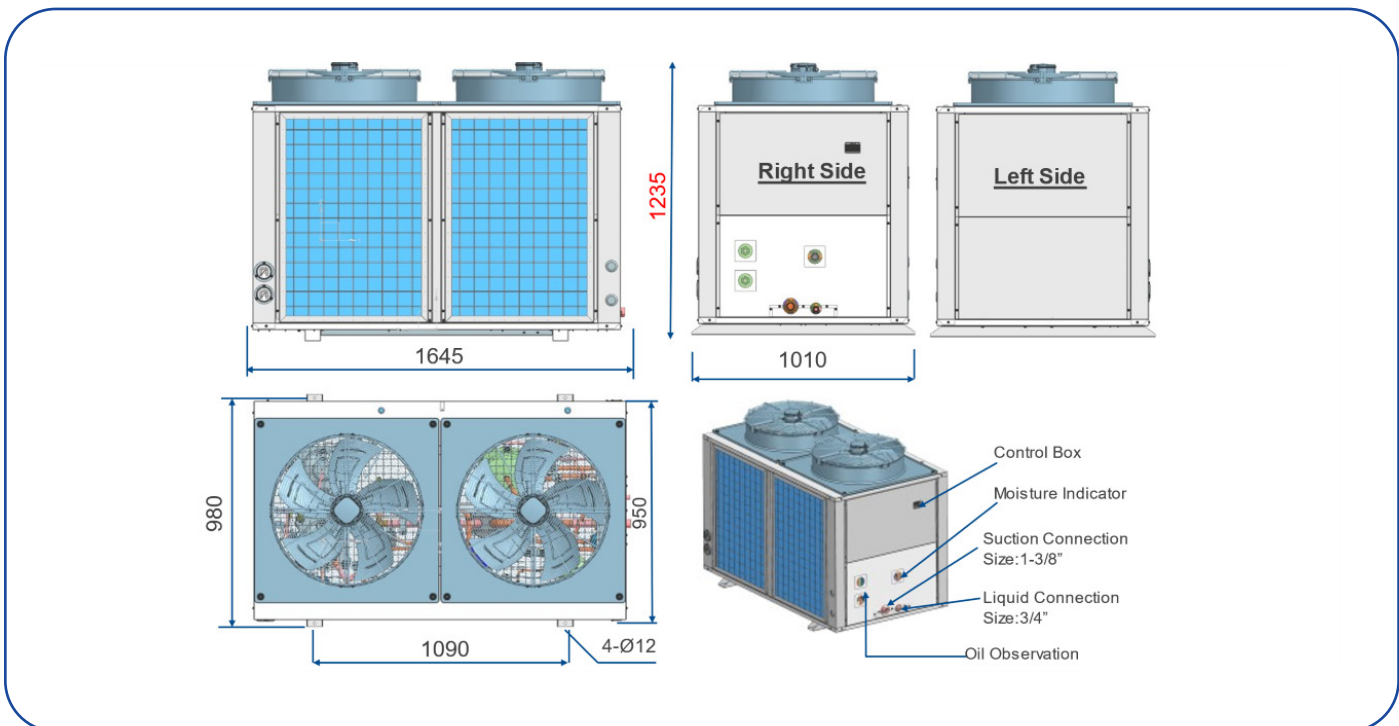
- ZX-TFD (5HP-7.6HP)
- ZXL-TFD (5HP-7.5HP)
- ZXD-TFD (4HP-9HP), ZXLD-TFD (9HP)



ZXD-TFD (12HP-16HP), ZXLD-TFD (12HP-16HP)



ZXD-TFD (20HP), ZXLD-TFD (20HP)



PRESSURE TEMPERATURE CHART AT SEA LEVEL

| °C | R-134a | R22 | R404A HP 62 | R407F Vapor | R407F Liquid | R448A Vapor | R448A Liquid | R449A Vapor | R449A Liquid | R407A Vapor | R407A Liquid | R407C Vapor | R407C Liquid | R507A AZ50* | °F |
|-------|--------|------|----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-------|
| -45.6 | 0.63 | 0.21 | 0.00 | -0.26 | 0.03 | -0.24 | 0.04 | -0.23 | 0.02 | 0.30 | 0.03 | 0.37 | 0.09 | 0.06 | -50.0 |
| -44.4 | 0.61 | 0.16 | 0.05 | -0.22 | 0.08 | -0.19 | 0.10 | -0.19 | 0.08 | 0.26 | 0.03 | 0.33 | 0.04 | 0.12 | -48.0 |
| -43.3 | 0.59 | 0.12 | 0.11 | -0.17 | 0.14 | -0.14 | 0.16 | -0.14 | 0.14 | 0.22 | 0.08 | 0.29 | 0.01 | 0.18 | -46.0 |
| -42.2 | 0.56 | 0.06 | 0.17 | -0.12 | 0.20 | -0.09 | 0.22 | -0.09 | 0.20 | 0.17 | 0.14 | 0.25 | 0.07 | 0.24 | -44.0 |
| -41.1 | 0.53 | 0.01 | 0.23 | -0.07 | 0.27 | -0.04 | 0.28 | -0.04 | 0.26 | 0.12 | 0.21 | 0.20 | 0.13 | 0.30 | -42.0 |
| -40.0 | 0.50 | 0.04 | 0.30 | -0.02 | 0.34 | 0.01 | 0.35 | 0.01 | 0.33 | 0.07 | 0.27 | 0.16 | 0.19 | 0.37 | -40.0 |
| -38.9 | 0.47 | 0.10 | 0.37 | 0.04 | 0.41 | 0.07 | 0.42 | 0.07 | 0.39 | 0.01 | 0.34 | 0.11 | 0.26 | 0.44 | -38.0 |
| -37.8 | 0.44 | 0.15 | 0.43 | 0.10 | 0.48 | 0.13 | 0.49 | 0.13 | 0.47 | 0.04 | 0.41 | 0.06 | 0.32 | 0.52 | -36.0 |
| -36.7 | 0.41 | 0.21 | 0.51 | 0.16 | 0.56 | 0.19 | 0.57 | 0.19 | 0.54 | 0.10 | 0.48 | 0.00 | 0.39 | 0.59 | -34.0 |
| -35.6 | 0.37 | 0.28 | 0.59 | 0.22 | 0.64 | 0.25 | 0.65 | 0.25 | 0.62 | 0.16 | 0.56 | 0.06 | 0.46 | 0.68 | -32.0 |
| -34.4 | 0.33 | 0.34 | 0.66 | 0.29 | 0.72 | 0.32 | 0.73 | 0.32 | 0.70 | 0.23 | 0.63 | 0.11 | 0.53 | 0.75 | -30.0 |
| -33.3 | 0.29 | 0.41 | 0.74 | 0.36 | 0.80 | 0.39 | 0.81 | 0.39 | 0.78 | 0.29 | 0.72 | 0.17 | 0.61 | 0.84 | -28.0 |
| -32.2 | 0.25 | 0.48 | 0.83 | 0.43 | 0.89 | 0.46 | 0.90 | 0.46 | 0.87 | 0.36 | 0.80 | 0.23 | 0.69 | 0.93 | -26.0 |
| -31.1 | 0.21 | 0.55 | 0.92 | 0.51 | 0.98 | 0.53 | 0.99 | 0.53 | 0.96 | 0.43 | 0.89 | 0.30 | 0.77 | 1.02 | -24.0 |
| -30.0 | 0.17 | 0.63 | 1.01 | 0.59 | 1.08 | 0.61 | 1.09 | 0.61 | 1.05 | 0.51 | 0.98 | 0.37 | 0.86 | 1.12 | -22.0 |
| -28.9 | 0.13 | 0.70 | 1.10 | 0.67 | 1.18 | 0.69 | 1.19 | 0.69 | 1.15 | 0.59 | 1.08 | 0.45 | 0.94 | 1.21 | -20.0 |
| -27.8 | 0.08 | 0.79 | 1.20 | 0.75 | 1.28 | 0.78 | 1.29 | 0.78 | 1.25 | 0.67 | 1.17 | 0.52 | 1.04 | 1.32 | -18.0 |
| -26.7 | 0.03 | 0.87 | 1.30 | 0.84 | 1.39 | 0.86 | 1.39 | 0.86 | 1.35 | 0.75 | 1.28 | 0.60 | 1.14 | 1.42 | -16.0 |
| -25.6 | 0.02 | 0.96 | 1.41 | 0.93 | 1.50 | 0.95 | 1.50 | 0.95 | 1.46 | 0.84 | 1.38 | 0.68 | 1.23 | 1.53 | -14.0 |
| -24.4 | 0.08 | 1.05 | 1.52 | 1.03 | 1.61 | 1.05 | 1.61 | 1.05 | 1.57 | 0.93 | 1.49 | 0.77 | 1.34 | 1.64 | -12.0 |
| -23.3 | 0.13 | 1.14 | 1.63 | 1.13 | 1.73 | 1.15 | 1.73 | 1.15 | 1.68 | 1.03 | 1.60 | 0.85 | 1.44 | 1.76 | -10.0 |
| -22.2 | 0.19 | 1.23 | 1.74 | 1.23 | 1.85 | 1.25 | 1.85 | 1.25 | 1.80 | 1.12 | 1.72 | 0.94 | 1.55 | 1.88 | -8.0 |
| -21.1 | 0.25 | 1.34 | 1.86 | 1.34 | 1.98 | 1.35 | 1.97 | 1.35 | 1.92 | 1.23 | 1.83 | 1.03 | 1.67 | 2.00 | -6.0 |
| -20.0 | 0.32 | 1.44 | 1.99 | 1.45 | 2.11 | 1.46 | 2.10 | 1.46 | 2.05 | 1.33 | 1.96 | 1.13 | 1.79 | 2.13 | -4.0 |
| -18.9 | 0.38 | 1.54 | 2.12 | 1.56 | 2.24 | 1.57 | 2.23 | 1.57 | 2.18 | 1.44 | 2.09 | 1.23 | 1.91 | 2.26 | -2.0 |
| -17.8 | 0.45 | 1.66 | 2.25 | 1.68 | 2.38 | 1.69 | 2.37 | 1.69 | 2.31 | 1.55 | 2.22 | 1.34 | 2.03 | 2.40 | 0.0 |
| -16.7 | 0.52 | 1.77 | 2.39 | 1.80 | 2.52 | 1.81 | 2.51 | 1.81 | 2.45 | 1.67 | 2.36 | 1.45 | 2.17 | 2.54 | 2.0 |
| -15.6 | 0.59 | 1.89 | 2.52 | 1.93 | 2.67 | 1.93 | 2.66 | 1.93 | 2.60 | 1.79 | 2.50 | 1.56 | 2.30 | 2.68 | 4.0 |
| -14.4 | 0.66 | 2.01 | 2.67 | 2.06 | 2.82 | 2.06 | 2.81 | 2.06 | 2.74 | 1.92 | 2.65 | 1.68 | 2.43 | 2.83 | 6.0 |
| -13.3 | 0.74 | 2.14 | 2.82 | 2.20 | 2.98 | 2.19 | 2.96 | 2.19 | 2.90 | 2.05 | 2.80 | 1.80 | 2.58 | 2.99 | 8.0 |
| -12.2 | 0.82 | 2.26 | 2.97 | 2.34 | 3.14 | 2.33 | 3.12 | 2.33 | 3.05 | 2.18 | 2.95 | 1.92 | 2.72 | 3.15 | 10.0 |
| -11.1 | 0.90 | 2.40 | 3.13 | 2.48 | 3.31 | 2.47 | 3.29 | 2.47 | 3.22 | 2.32 | 3.11 | 2.05 | 2.88 | 3.31 | 12.0 |
| -10.0 | 0.99 | 2.54 | 3.30 | 2.63 | 3.48 | 2.62 | 3.46 | 2.61 | 3.38 | 2.46 | 3.28 | 2.19 | 3.03 | 3.48 | 14.0 |
| -8.9 | 1.08 | 2.68 | 3.46 | 2.79 | 3.66 | 2.77 | 3.63 | 2.76 | 3.55 | 2.61 | 3.45 | 2.32 | 3.19 | 3.66 | 16.0 |
| -7.8 | 1.17 | 2.82 | 3.63 | 2.94 | 3.84 | 2.93 | 3.81 | 2.92 | 3.73 | 2.76 | 3.62 | 2.46 | 3.36 | 3.83 | 18.0 |
| -6.7 | 1.27 | 2.97 | 3.81 | 3.11 | 4.03 | 3.09 | 4.00 | 3.08 | 3.91 | 2.92 | 3.80 | 2.61 | 3.53 | 4.01 | 20.0 |
| -5.6 | 1.37 | 3.12 | 4.00 | 3.28 | 4.22 | 3.25 | 4.19 | 3.24 | 4.10 | 3.08 | 3.99 | 2.77 | 3.71 | 4.21 | 22.0 |
| -4.4 | 1.47 | 3.28 | 4.19 | 3.45 | 4.42 | 3.42 | 4.38 | 3.41 | 4.29 | 3.25 | 4.18 | 2.92 | 3.89 | 4.40 | 24.0 |
| -3.3 | 1.58 | 3.45 | 4.38 | 3.63 | 4.63 | 3.60 | 4.58 | 3.59 | 4.49 | 3.42 | 4.37 | 3.08 | 4.08 | 4.60 | 26.0 |
| -2.2 | 1.69 | 3.61 | 4.58 | 3.82 | 4.84 | 3.78 | 4.79 | 3.77 | 4.69 | 3.60 | 4.57 | 3.25 | 4.27 | 4.80 | 28.0 |
| -1.1 | 1.80 | 3.79 | 4.78 | 4.01 | 5.05 | 3.97 | 5.00 | 3.95 | 4.90 | 3.78 | 4.78 | 3.42 | 4.46 | 5.01 | 30.0 |
| 0.0 | 1.92 | 3.97 | 4.99 | 4.21 | 5.28 | 4.16 | 5.22 | 4.14 | 5.12 | 3.97 | 4.99 | 3.59 | 4.67 | 5.23 | 32.0 |
| 1.1 | 2.03 | 4.15 | 5.21 | 4.41 | 5.51 | 4.36 | 5.44 | 4.34 | 5.34 | 4.17 | 5.21 | 3.78 | 4.88 | 5.45 | 34.0 |
| 2.2 | 2.16 | 4.34 | 5.43 | 4.62 | 5.74 | 4.56 | 5.67 | 4.54 | 5.57 | 4.37 | 5.43 | 3.97 | 5.09 | 5.68 | 36.0 |
| 3.3 | 2.28 | 4.53 | 5.66 | 4.84 | 5.98 | 4.77 | 5.91 | 4.75 | 5.80 | 4.57 | 5.67 | 4.16 | 5.31 | 5.91 | 38.0 |
| 4.4 | 2.41 | 4.73 | 5.89 | 5.06 | 6.23 | 4.98 | 6.15 | 4.96 | 6.04 | 4.79 | 5.90 | 4.36 | 5.53 | 6.15 | 40.0 |
| 5.6 | 2.55 | 4.93 | 6.12 | 5.29 | 6.48 | 5.20 | 6.40 | 5.18 | 6.28 | 5.00 | 6.14 | 4.56 | 5.77 | 6.39 | 42.0 |
| 6.7 | 2.69 | 5.14 | 6.37 | 5.52 | 6.74 | 5.43 | 6.65 | 5.41 | 6.53 | 5.23 | 6.40 | 4.77 | 6.00 | 6.65 | 44.0 |
| 7.8 | 2.83 | 5.35 | 6.62 | 5.76 | 7.01 | 5.66 | 6.96 | 5.64 | 6.84 | 5.46 | 6.66 | 4.99 | 6.25 | 6.90 | 46.0 |
| 8.9 | 2.98 | 5.57 | 6.88 | 6.01 | 7.28 | 5.90 | 7.20 | 5.88 | 7.12 | 5.70 | 6.92 | 5.21 | 6.50 | 7.17 | 48.0 |

PRESSURE TEMPERATURE CHART AT SEA LEVEL

| °C | R-134a | R22 | R404A HP 62 | R407F Vapor | R407F Liquid | R448A Vapor | R448A Liquid | R449A Vapor | R449A Liquid | R407A Vapor | R407A Liquid | R407C Vapor | R407C Liquid | R507A AZ50* | °F |
|------|--------|-------|----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-------|
| 10.0 | 3.13 | 5.80 | 7.14 | 6.26 | 7.57 | 6.15 | 6.15 | 6.13 | 6.13 | 5.94 | 7.19 | 5.43 | 6.75 | 7.44 | 50.0 |
| 11.1 | 3.29 | 6.03 | 7.41 | 6.52 | 7.85 | 6.40 | 6.40 | 6.38 | 6.38 | 6.19 | 7.46 | 5.67 | 7.01 | 7.72 | 52.0 |
| 12.2 | 3.45 | 6.26 | 7.70 | 6.79 | 8.15 | 6.66 | 6.66 | 6.64 | 6.64 | 6.44 | 7.74 | 5.91 | 7.28 | 8.01 | 54.0 |
| 13.3 | 3.61 | 6.51 | 7.98 | 7.07 | 8.45 | 6.93 | 6.93 | 6.90 | 6.90 | 6.71 | 8.03 | 6.16 | 7.56 | 8.30 | 56.0 |
| 14.4 | 3.79 | 6.76 | 8.27 | 7.35 | 8.76 | 7.20 | 7.20 | 7.17 | 7.17 | 6.98 | 8.33 | 6.41 | 7.84 | 8.59 | 58.0 |
| 15.6 | 3.96 | 7.01 | 8.57 | 7.64 | 9.08 | 7.48 | 7.48 | 7.45 | 7.45 | 7.26 | 8.63 | 6.68 | 8.13 | 8.90 | 60.0 |
| 16.7 | 4.14 | 7.27 | 8.88 | 7.94 | 9.40 | 7.77 | 7.77 | 7.74 | 7.74 | 7.54 | 8.94 | 6.94 | 8.43 | 9.21 | 62.0 |
| 17.8 | 4.32 | 7.54 | 9.19 | 8.24 | 9.74 | 8.07 | 8.07 | 8.03 | 8.03 | 7.83 | 9.26 | 7.22 | 8.74 | 9.54 | 64.0 |
| 18.9 | 4.51 | 7.81 | 9.50 | 8.55 | 10.08 | 8.37 | 8.37 | 8.33 | 8.33 | 8.13 | 9.59 | 7.50 | 9.05 | 9.86 | 66.0 |
| 20.0 | 4.70 | 8.09 | 9.83 | 8.88 | 10.43 | 8.68 | 8.68 | 8.64 | 8.64 | 8.44 | 9.92 | 7.79 | 9.37 | 10.20 | 68.0 |
| 21.1 | 4.90 | 8.37 | 10.17 | 9.20 | 10.78 | 9.00 | 9.00 | 8.96 | 8.96 | 8.76 | 10.26 | 8.09 | 9.69 | 10.54 | 70.0 |
| 22.2 | 5.11 | 8.67 | 10.51 | 9.54 | 11.15 | 9.32 | 9.32 | 9.28 | 9.28 | 9.08 | 10.61 | 8.39 | 10.03 | 10.89 | 72.0 |
| 23.3 | 5.32 | 8.97 | 10.86 | 9.89 | 11.52 | 9.66 | 9.66 | 9.61 | 9.61 | 9.41 | 10.97 | 8.70 | 10.37 | 11.25 | 74.0 |
| 24.4 | 5.53 | 9.28 | 11.22 | 10.24 | 11.90 | 10.00 | 10.00 | 9.95 | 9.95 | 9.75 | 11.34 | 9.03 | 10.72 | 11.62 | 76.0 |
| 25.6 | 5.75 | 9.59 | 11.59 | 10.60 | 12.29 | 10.35 | 10.35 | 10.30 | 10.30 | 10.10 | 11.71 | 9.35 | 11.07 | 11.99 | 78.0 |
| 26.7 | 5.98 | 9.90 | 11.96 | 10.98 | 12.69 | 10.71 | 10.71 | 10.65 | 10.65 | 10.46 | 12.09 | 9.69 | 11.43 | 12.38 | 80.0 |
| 27.8 | 6.21 | 10.23 | 12.34 | 11.36 | 13.10 | 11.08 | 11.08 | 11.02 | 11.02 | 10.82 | 12.48 | 10.03 | 11.81 | 12.77 | 82.0 |
| 28.9 | 6.45 | 10.57 | 12.73 | 11.75 | 13.52 | 11.45 | 11.45 | 11.39 | 11.39 | 11.19 | 12.88 | 10.39 | 12.19 | 13.17 | 84.0 |
| 30.0 | 6.69 | 10.91 | 13.13 | 12.15 | 13.94 | 11.84 | 11.84 | 11.77 | 11.77 | 11.57 | 13.28 | 10.75 | 12.58 | 13.58 | 86.0 |
| 31.1 | 6.94 | 11.26 | 13.54 | 12.55 | 14.38 | 12.23 | 12.23 | 12.16 | 12.16 | 11.97 | 13.70 | 11.12 | 12.98 | 13.99 | 88.0 |
| 32.2 | 7.19 | 11.61 | 13.96 | 12.97 | 14.82 | 12.63 | 12.63 | 12.56 | 12.56 | 12.37 | 14.12 | 11.50 | 13.39 | 14.42 | 90.0 |
| 33.3 | 7.46 | 11.98 | 14.39 | 13.40 | 15.27 | 13.05 | 13.05 | 12.97 | 12.97 | 12.78 | 14.56 | 11.88 | 13.80 | 14.86 | 92.0 |
| 34.4 | 7.72 | 12.35 | 14.82 | 13.84 | 15.74 | 13.47 | 13.47 | 13.39 | 13.39 | 13.20 | 15.01 | 12.28 | 14.23 | 15.30 | 94.0 |
| 35.6 | 7.99 | 12.73 | 15.26 | 14.29 | 16.21 | 13.90 | 13.90 | 13.82 | 13.82 | 13.63 | 15.46 | 12.69 | 14.66 | 15.76 | 96.0 |
| 36.7 | 8.28 | 13.12 | 15.72 | 14.74 | 16.69 | 14.34 | 14.34 | 14.26 | 14.26 | 14.06 | 15.92 | 13.10 | 15.10 | 16.22 | 98.0 |
| 37.8 | 8.57 | 13.51 | 16.18 | 15.21 | 17.19 | 14.79 | 14.79 | 14.70 | 14.70 | 14.51 | 16.39 | 13.52 | 15.55 | 16.70 | 100.0 |
| 38.9 | 8.86 | 13.92 | 16.66 | 15.69 | 17.69 | 15.25 | 15.25 | 15.16 | 15.16 | 14.97 | 16.87 | 13.96 | 16.01 | 17.18 | 102.0 |
| 40.0 | 9.15 | 14.32 | 17.14 | 16.18 | 18.20 | 15.72 | 15.72 | 15.63 | 15.63 | 15.44 | 17.36 | 14.41 | 16.48 | 17.67 | 104.0 |
| 41.1 | 9.46 | 14.74 | 17.63 | 16.68 | 18.72 | 16.20 | 16.20 | 16.11 | 16.11 | 15.92 | 17.86 | 14.86 | 16.96 | 18.17 | 106.0 |
| 42.2 | 9.77 | 15.17 | 18.13 | 17.19 | 19.26 | 16.69 | 16.69 | 16.59 | 16.59 | 16.41 | 18.37 | 15.32 | 17.45 | 18.69 | 108.0 |
| 43.3 | 10.10 | 15.61 | 18.65 | 17.71 | 19.80 | 17.20 | 17.20 | 17.09 | 17.09 | 16.91 | 18.89 | 15.79 | 17.95 | 19.21 | 110.0 |
| 44.4 | 10.42 | 16.06 | 19.17 | 18.25 | 20.36 | 17.71 | 17.71 | 17.60 | 17.60 | 17.43 | 19.42 | 16.28 | 18.46 | 19.74 | 112.0 |
| 45.6 | 10.76 | 16.51 | 19.70 | 18.79 | 20.92 | 18.23 | 18.23 | 18.12 | 18.12 | 17.94 | 19.97 | 16.78 | 18.97 | 20.29 | 114.0 |
| 46.7 | 11.10 | 16.97 | 20.25 | 19.35 | 21.50 | 18.77 | 18.77 | 18.65 | 18.65 | 18.48 | 20.52 | 17.28 | 19.50 | 20.85 | 116.0 |
| 47.8 | 11.45 | 17.45 | 20.81 | 19.92 | 22.09 | 19.32 | 19.32 | 19.20 | 19.20 | 19.03 | 21.08 | 17.80 | 20.04 | 21.41 | 118.0 |
| 48.9 | 11.81 | 17.93 | 21.37 | 20.50 | 22.69 | 19.88 | 19.88 | 19.75 | 19.75 | 19.59 | 21.66 | 18.33 | 20.59 | 21.99 | 120.0 |
| 50.0 | 12.17 | 18.42 | 21.95 | 21.10 | 23.30 | 20.45 | 20.45 | 20.32 | 20.32 | 20.16 | 22.23 | 18.87 | 21.15 | 22.59 | 122.0 |
| 51.1 | 12.54 | 18.92 | 22.54 | 21.71 | 23.92 | 21.03 | 21.03 | 20.90 | 20.90 | 20.74 | 22.83 | 19.42 | 21.72 | 23.19 | 124.0 |
| 52.2 | 12.92 | 19.43 | 23.14 | 22.33 | 24.55 | 21.63 | 21.63 | 21.49 | 21.49 | 21.33 | 23.44 | 19.99 | 22.30 | 23.80 | 126.0 |
| 53.3 | 13.31 | 19.94 | 23.75 | 22.96 | 25.20 | 22.24 | 22.24 | 22.09 | 22.09 | 21.94 | 24.06 | 20.56 | 22.90 | 24.43 | 128.0 |
| 54.4 | 13.70 | 20.48 | 24.38 | 23.61 | 25.86 | 22.86 | 22.86 | 22.71 | 22.71 | 22.56 | 24.68 | 21.14 | 23.50 | 25.07 | 130.0 |
| 55.6 | 14.11 | 21.01 | 25.02 | 24.27 | 26.53 | 23.49 | 23.49 | 23.34 | 23.34 | 23.19 | 25.32 | 21.75 | 24.12 | 25.72 | 132.0 |
| 56.7 | 14.52 | 21.56 | 25.67 | 24.94 | 27.21 | 24.14 | 24.14 | 23.98 | 23.98 | 23.84 | 25.98 | 22.36 | 24.74 | 26.39 | 134.0 |
| 57.8 | 14.94 | 22.12 | 26.34 | 25.63 | 27.90 | 24.80 | 24.80 | 24.64 | 24.64 | 24.50 | 26.64 | 22.99 | 25.38 | 27.06 | 136.0 |
| 58.9 | 15.37 | 22.69 | 27.01 | 26.34 | 28.61 | 25.48 | 25.48 | 25.31 | 25.31 | 25.18 | 27.32 | 23.63 | 26.03 | 27.75 | 138.0 |
| 60.0 | 15.81 | 23.27 | 27.70 | 27.06 | 29.33 | 26.17 | 26.17 | 25.99 | 25.99 | 25.87 | 28.01 | 24.28 | 26.69 | 28.46 | 140.0 |
| 61.1 | 16.26 | 23.86 | 28.41 | 27.79 | 30.07 | 26.87 | 26.87 | 26.69 | 26.69 | 26.57 | 28.71 | 24.94 | 27.36 | 29.18 | 142.0 |
| 62.2 | 16.71 | 24.46 | 29.13 | 28.54 | 30.81 | 27.59 | 27.59 | 27.40 | 27.40 | 27.29 | 29.43 | 25.63 | 28.04 | 29.92 | 144.0 |
| 63.3 | 17.17 | 25.07 | 29.87 | 29.31 | 31.57 | 28.32 | 28.32 | 28.13 | 28.13 | 28.02 | 30.15 | 26.32 | 28.74 | 30.67 | 146.0 |
| 64.4 | 17.65 | 25.69 | 30.61 | 30.09 | 32.35 | 29.07 | 29.07 | 28.88 | 28.88 | 28.77 | 30.90 | 27.03 | 29.45 | 31.43 | 148.0 |
| 65.6 | 18.13 | 26.32 | 31.39 | 30.89 | 33.13 | 29.84 | 29.84 | 29.64 | 29.64 | 29.54 | 31.65 | 27.76 | 30.17 | 32.22 | 150.0 |

General information

Technical data are correct at the time of printing. Updates may occur, and should you need confirmation of a specific value, please contact Emerson clearly stating the information required.

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