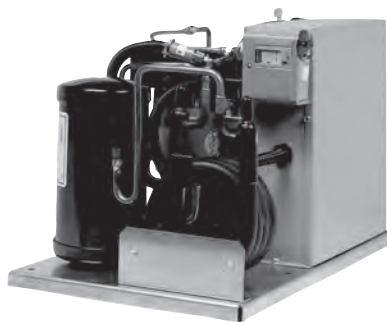




CH-WCCUTB  
November 2023

Replaces CH-HSWCUTB, March 2021

**CHANDLER**  
REFRIGERATION



# WATER-COOLED CONDENSING UNITS

## Technical Guide

Models HWN | Hermetic  
ZWN | Scroll  
SWN | Semi-Hermetic



# TABLE OF CONTENTS

## HWN & ZWN Models

|                                |       |
|--------------------------------|-------|
| Nomenclature.....              | 2     |
| Features & Benefits.....       | 3     |
| Application Data .....         | 4     |
| Specifications & Options ..... | 5     |
| Hermetic Compressors.....      | 6-10  |
| Performance Data .....         | 6-8   |
| Unit Specifications .....      | 9     |
| Electrical Data.....           | 10    |
| Scroll Compressors .....       | 11-18 |
| Performance Data .....         | 11-16 |
| Unit Specifications .....      | 17    |
| Electrical Data.....           | 18    |

## SWN Models

|                                |       |
|--------------------------------|-------|
| Nomenclature.....              | 2     |
| Features & Benefits .....      | 19    |
| Options .....                  | 20    |
| Semi-Hermetic Compressors..... | 19-29 |
| Performance Data .....         | 19-26 |
| Unit Specifications .....      | 27    |
| Electrical Data.....           | 28-29 |
| Dimensional Drawings.....      | 28    |



## NOMENCLATURE - HWN & ZWN MODELS

| ZW                           | N           | 030                                                                                                                       | L                                     | 6                                              | B                                                    |
|------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------|------------------------------------------------------|
| Compressor                   | Application | Equiv. HP                                                                                                                 | Temp.                                 | Refrigerant                                    | Voltage                                              |
| HW = Hermetic<br>ZW = Scroll | N = Indoor  | 005 = 1/2HP<br>008 = 3/4HP<br>010 = 1HP<br>01* = 1-1/2HP<br>02* = 2HP<br>03* = 3HP<br>04* = 4HP<br>05* = 5HP<br>060 = 6HP | H = High<br>L = Low<br>X = Medium/Low | 6 = R-404A/507/<br>R407A/R407C,<br>R448A/R449A | B = 208/230/1/60<br>C = 208/230/3/60<br>D = 460/3/60 |

## NOMENCLATURE - SWN MODELS

| S                                  | W                | N           | 0500        | M                                      | 6                                                       | C                                                                                    |
|------------------------------------|------------------|-------------|-------------|----------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------|
| Compressor                         | Model            | Application | Model Size  | Temp.                                  | Refrigerant                                             | Electrical Code                                                                      |
| S = Semi-Hermetic<br>Reciprocating | W = Water-Cooled | N = Indoor  | 0075 - 2200 | L = Low<br>M = Medium<br>E = Extra Low | 6 = R-404A/507/<br>R407A/<br>R407C/407F,<br>R448A/R449A | B = 208/230/1/60<br>C = 208/230/3/60<br>D = 460/3/60<br>E = 575/3/60<br>G = 230/1/60 |

## FEATURES & BENEFITS - HWN & ZWN Models

### Construction

- Component location and unit size are all optimized for easy field replacements or new installations where space is limited.
- Extra space is provided inside the electrical box for service and installation of additional components.
- Copeland® hermetic and scroll compressors for low and medium temperature operation.
- All units are provided with a water regulating valve for superior head pressure control.
- An extra capacity receiver with liquid shut-off valve is provided for installations with long refrigerant lines.
- A pumpdown switch is provided on all models for field servicing.

### Serviceability

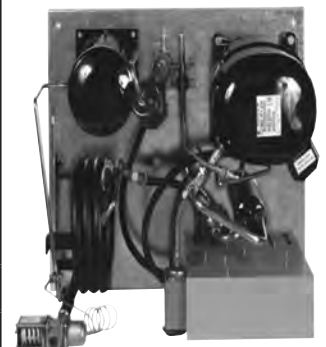
- Easy access to the large electrical panel for service diagnostics or options.
- Color-coded wire harnesses are all labeled and coded for easy identification.
- A suction line rotolock service valve is provided on the compressor for service.
- An additional shut off valve is mounted in the discharge line of the compressor for quick and easy isolation of the compressor for service.
- Schrader® valves permit recovery of refrigerant isolated in compressor for quick and easy compressor change if ever needed.

### Quality

- Piping is laid out to minimize stress and vibration for quieter operation.
- Easy to verify leak-free unit by checking for the nitrogen holding charge Schrader® valve on the discharge or suction service valve.
- Encapsulated, automatic reset, high pressure control, and an adjustable low pressure control with flexible refrigerant hose to reduce possibility for leaks.
- A helix tube in tube water-cooled condenser is standard with refrigerant counter flow for optimum condensing unit efficiency.
- Every unit is put into a vacuum and subjected to a rigorous leak test. This results in a clean, dry and leak free unit every time.
- Electrical circuits are factory tested for functional integrity.
- Every unit is run tested and cycled on both the high and low pressure controls.

### Option

- Sight glass (optional) is easily viewable from the front to monitor the refrigerant charge.
- Factory-installed suction filter available as option for additional system protection.



## APPLICATION DATA - HWN & ZWN

### Installation Precautions

All units are factory charged with dry nitrogen which must be evacuated prior to installation.

Water valves must be adjusted during initial start-up to design condensing pressure for the selected refrigerant.

All HW "X6" models require a suction accumulator. HW "X6" models with RS compressors are not suitable for R-507.

### Retrofit Installations

If a P.O.E. model is used in a retrofit, the old mineral oil must be completely removed from the system or at least reduced to no more than 5% of the total oil charge. Polyolester oil is very hygroscopic. Take extra precautions to limit exposure to the atmosphere.

### Leveling Units

Unit must be level to insure proper oil return to the compressor.

### Condenser Water Temperature

Maximum leaving water temperature is 105°F on all models.

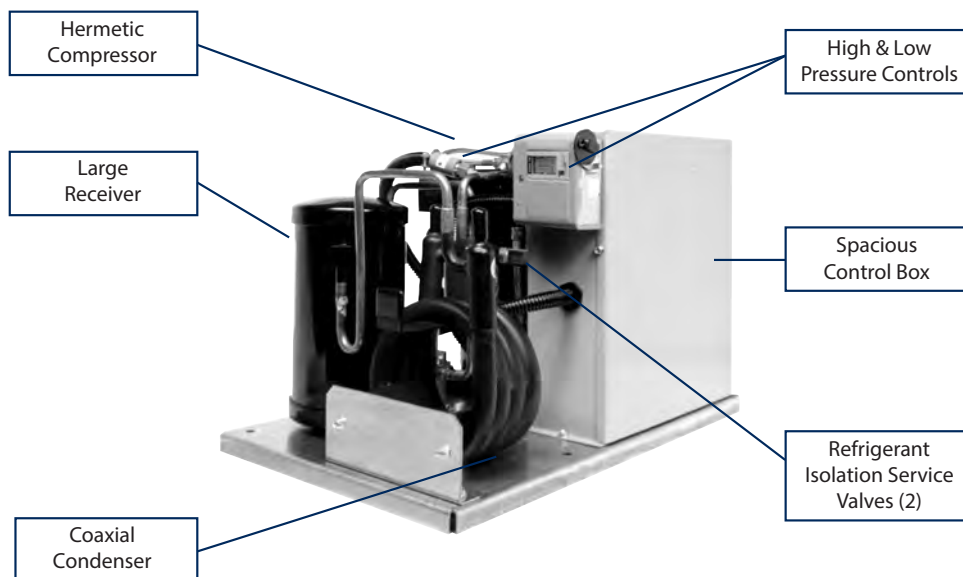
### Condenser Water Treatment

The use of untreated or improperly treated water may result in scaling premature erosion or corrosion. A qualified water treatment specialist is recommended for proper results.

### Engineering Aids

Total Heat of Rejection (THR) all units:  
 $THR = BTUH + (KW \times 1000 \times 3.4 \times 1.0)$

Water Temperature Rise ( $\Delta T_w$ ) through  
water cooled condenser:  
 $\Delta T_w = THR \div (GPM \times 60 \times 8.4)$



## UNIT SPECIFICATIONS - HWN & ZWN

| Features & Specifications                                                | HW       | ZW       |
|--------------------------------------------------------------------------|----------|----------|
| Compressor mounting (rubber grommets)                                    | Standard | Standard |
| Compressor discharge service valve (in line brass base valve)            | Standard | Standard |
| Compressor suction service valve - rotolock                              | Standard | Standard |
| Large capacity refrigerant receiver (up to 100 ft. runs)                 | Standard | Standard |
| Receiver service valve (located on outlet)                               | Standard | Standard |
| Coaxial condenser (counterflow tube in tube)                             | Standard | Standard |
| Extra large electric box (encloses all options and capacitors)           | Standard | Standard |
| Electric conduit (UL recognized, high impact, flame retardant copolymer) | Standard | Standard |
| Low pressure control switch (adjustable)                                 | Standard | Standard |
| High pressure encapsulated safety switch (fixed)                         | Standard | Standard |
| Super hose on low pressure control (higher leak resistance)              | Standard | Standard |
| Voltage 208-230 - 1ph - 60hz                                             | Standard | Standard |
| Voltage 208-230 -3ph - 60hz                                              | Standard | Standard |
| Voltage 460 - 3ph - 60hz                                                 | Standard | Standard |
| Pump down control switch (pre-wired)                                     | Standard | Standard |
| Water valve (mounted on condenser inlet)                                 | Standard | Standard |
| Agency approvals UL, ULC                                                 | Standard | Standard |
| Electrical Options                                                       | HW       | ZW       |
| Air defrost timer                                                        | Option   | Option   |
| Electric defrost timer                                                   | Option   | Option   |
| Electric defrost timer with contactor                                    | Option   | Option   |
| Compressor crankcase heater <sup>1</sup>                                 | Option   | Option   |
| Beacon II™ Control                                                       | Option   | Option   |
| Mechanical Options                                                       | HW       | ZW       |
| Liquid line drier & sight glass assembly (sweat) <sup>2</sup>            | Option   | Option   |
| Liquid line solenoid valve (230V coil)                                   | Option   | Option   |
| Suction filter with bypass                                               | Option   | Option   |
| Suction accumulator                                                      | Option   | Option   |
| Suction accumulator & filter                                             | Option   | Option   |
| Two-tiered stacking rack for field assembly                              | Option   | Option   |

<sup>1</sup> Crankcase heaters are not required for indoor operation but are included on some HW models. Field wiring is required. ZW models crankcase heaters are not available.

<sup>2</sup> Required on ZW "L6" models



The Beacon II system is a pre-assembled, factory installed refrigeration system featuring an integrated microcomputer-based electronic control board. System orders (including matching unit coolers) are now available for all HW & ZW models.

The Beacon II system replaces the expansion valve, solenoid valve, room thermostat, defrost control timer. It comes factory preset thereby eliminating all of the expensive and time consuming fine tuning and adjustments necessary for a good system installation. For additional information, see the Beacon II bulletin or contact your local Sales Representative.

## PERFORMANCE DATA - HWN MODELS

### High Temperature Models - R-404A

| Model    | Compressor |       | Suction Temperature °F |        |
|----------|------------|-------|------------------------|--------|
|          |            |       | 35°F                   | 40°F   |
| HWN005H6 | RST45C1E   | BTU/H | 7,370                  | 8,160  |
|          |            | GPM   | 1.3                    | 1.5    |
|          |            | PSI   | 1.0                    | 1.2    |
| HWN009H6 | RST64C1E   | BTU/H | 11,190                 | 12,310 |
|          |            | GPM   | 1.8                    | 2.1    |
|          |            | PSI   | 2.1                    | 2.6    |
| HWN010H6 | RST70C1E   | BTU/H | 12,430                 | 13,900 |
|          |            | GPM   | 2.0                    | 2.3    |
|          |            | PSI   | 2.3                    | 2.9    |
| HWN015H6 | CS10K6E    | BTU/H | 18,510                 | 20,830 |
|          |            | GPM   | 3.3                    | 3.9    |
|          |            | PSI   | 1.6                    | 2.2    |
| HWN025H6 | CS14K6E    | BTU/H | 25,060                 | 27,910 |
|          |            | GPM   | 4.8                    | 5.7    |
|          |            | PSI   | 3.2                    | 4.2    |
| HWN032H6 | CS20K6E    | BTU/H | 36,490                 | 40,790 |
|          |            | GPM   | 5.6                    | 6.8    |
|          |            | PSI   | 2.7                    | 3.7    |

Capacity ratings conditions: 85°F entering water, 110°F condensing, 25°F ITD, 0°F subcooling

### High Temperature Models - R-407C

| Model    | Compressor |       | Suction Temperature °F |        |
|----------|------------|-------|------------------------|--------|
|          |            |       | 35°F                   | 40°F   |
| HWN005H6 | RST45C1E   | BTU/H | 7,160                  | 8,050  |
|          |            | GPM   | 3.6                    | 4.6    |
|          |            | PSI   | 4.9                    | 7.0    |
| HWN009H6 | RST64C1E   | BTU/H | 11,320                 | 12,720 |
|          |            | GPM   | 4.9                    | 5.9    |
|          |            | PSI   | 10.0                   | 13.1   |
| HWN010H6 | RST70C1E   | BTU/H | 11,400                 | 12,760 |
|          |            | GPM   | 4.8                    | 5.7    |
|          |            | PSI   | 9.7                    | 12.5   |

Capacity ratings conditions: 85°F entering water, 110°F condensing, 25°F ITD, 0°F subcooling

## PERFORMANCE DATA - HWN MODELS

### Low Temperature Models - R-404A

| Model    | Compressor |      | Suction Temperature °F |       |        |        |        |        |
|----------|------------|------|------------------------|-------|--------|--------|--------|--------|
|          |            |      | -30 °F                 | -25°F | -20°F  | -10°F  | 0°F    | 10°F   |
| HWN011L6 | CF04K6E    | BTUH | 2,080                  | 2,810 | 3,570  | 5,310  | 7,590  | 10,680 |
|          |            | GPM  | 0.5                    | 0.7   | 1.0    | 1.6    | 3.0    | 6.0    |
|          |            | PSI  | 0.2                    | 0.4   | 0.6    | 1.4    | 3.7    | 7.4    |
| HWN014L6 | CF06K6E    | BTUH | 3,770                  | 4,810 | 5,990  | 8,700  | 11,780 | 15,070 |
|          |            | GPM  | 1.0                    | 1.3   | 1.5    | 2.5    | 4.0    | 5.0    |
|          |            | PSI  | 0.8                    | 1.2   | 1.5    | 3.4    | 7.4    | 8.0    |
| HWN025L6 | CF09K6E    | BTUH | 5,560                  | 7,040 | 8,720  | 12,590 | 17,060 | 21,970 |
|          |            | GPM  | 1.0                    | 1.5   | 2.0    | 3.5    | 5.8    | 8.5    |
|          |            | PSI  | 0.2                    | 0.6   | 0.8    | 2.0    | 4.4    | 8.5    |
| HWN031L6 | CF12K6E    | BTUH | 7,550                  | 9,510 | 11,570 | 16,060 | 21,180 | 27,140 |
|          |            | GPM  | 1.25                   | 2.5   | 3.4    | 5.75   | 9.5    | 11.0   |
|          |            | PSI  | 0.6                    | 1.2   | 1.9    | 4.4    | 9.8    | 12.0   |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling. (ITD = Condensing temperature - entering condenser water temperature)

BTUH = British Thermal Units (All capacities are rated at 60 Hz operation)

GPM = Gallons per Minute (Water flow rate)

PSI = Pounds per Square Inch (Water pressure drop through condenser)

### Extended Temperature Models - R-404A

| Model    | Compressor |      | Suction Temperature °F |       |        |        |        |        |        |
|----------|------------|------|------------------------|-------|--------|--------|--------|--------|--------|
|          |            |      | -25°F                  | -20°F | -10°F  | 0°F    | 10°F   | 20°F   | 30°F   |
| HWN005X6 | RST45C1E   | BTUH | 1,280                  | 1,665 | 2,460  | 3,290  | 4,220  | 5,270  | 6,480  |
|          |            | GPM  | 0.2                    | 0.2   | 0.4    | 0.7    | 0.9    | 1.2    | 1.6    |
|          |            | PSI  | 0.2                    | 0.2   | 0.2    | 0.3    | 0.5    | 0.9    | 1.4    |
| HWN008X6 | RST55C1E   | BTUH | 2,060                  | 2,340 | 3,070  | 4,010  | 5,140  | 6,460  | 7,950  |
|          |            | GPM  | 0.4                    | 0.5   | 0.7    | 1.0    | 1.4    | 1.9    | 2.6    |
|          |            | PSI  | 0.2                    | 0.3   | 0.4    | 0.6    | 1.1    | 1.7    | 3.0    |
| HWN009X6 | RST64C1E   | BTUH | 2,480                  | 2,880 | 3,820  | 4,970  | 6,320  | 7,870  | 9,620  |
|          |            | GPM  | 0.2                    | 0.2   | 0.5    | 0.9    | 1.4    | 1.8    | 2.4    |
|          |            | PSI  | 0.2                    | 0.2   | 0.3    | 0.7    | 1.3    | 2.1    | 3.2    |
| HWN010X6 | RST70C1E   | BTUH | 1,600                  | 2,335 | 3,770  | 5,200  | 6,800  | 8,700  | 11,200 |
|          |            | GPM  | 0.3                    | 0.3   | 0.4    | 1.1    | 1.5    | 1.8    | 2.7    |
|          |            | PSI  | 0.3                    | 0.3   | 0.3    | 0.9    | 1.5    | 2.1    | 3.9    |
| HWN015X6 | CS10K6E    | BTUH | 2,000                  | 2,815 | 4,580  | 6,930  | 9,710  | 12,900 | 16,300 |
|          |            | GPM  | 0.6                    | 0.8   | 1.0    | 1.5    | 2.3    | 3.3    | 4.8    |
|          |            | PSI  | 0.2                    | 0.3   | 0.4    | 0.5    | 0.9    | 1.6    | 3.1    |
| HWN020X6 | CS12K6E    | BTUH | 2,650                  | 3,615 | 5,670  | 8,340  | 11,490 | 15,100 | 19,200 |
|          |            | GPM  | 0.8                    | 0.9   | 1.6    | 1.8    | 2.8    | 4.3    | 6.6    |
|          |            | PSI  | 0.4                    | 0.4   | 0.5    | 0.6    | 1.2    | 2.6    | 4.3    |
| HWN025X6 | CS14K6E    | BTUH | 3,840                  | 4,900 | 7,160  | 10,140 | 13,630 | 17,500 | 21,800 |
|          |            | GPM  | 0.2                    | 0.5   | 1.1    | 1.8    | 3.2    | 4.7    | 7.2    |
|          |            | PSI  | 0.1                    | 0.2   | 0.5    | 0.8    | 1.7    | 4.2    | 6.6    |
| HWN030X6 | CS18K6E    | BTUH | 4,590                  | 5,825 | 8,570  | 12,600 | 17,400 | 22,700 | 28,300 |
|          |            | GPM  | 0.5                    | 0.9   | 1.5    | 2.9    | 4.9    | 8.0    | 10.5   |
|          |            | PSI  | 0.2                    | 0.4   | 0.6    | 1.4    | 3.3    | 8.0    | 10.4   |
| HWN032X6 | CS20K6E    | BTUH | 4,650                  | 6,505 | 10,110 | 14,210 | 19,220 | 25,600 | 34,000 |
|          |            | GPM  | 0.5                    | 0.8   | 1.3    | 1.8    | 2.6    | 5.0    | 9.5    |
|          |            | PSI  | 0.2                    | 0.4   | 0.6    | 0.8    | 1.1    | 2.2    | 6.6    |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling. (ITD = Condensing temperature - entering condenser water temperature)

BTUH = British Thermal Units (All capacities are rated at 60 Hz operation)

GPM = Gallons per Minute (Water flow rate)

PSI = Pounds per Square Inch (Water pressure drop through condenser)

## PERFORMANCE DATA - HWN MODELS

### Extended Temperature Models- R-407C

| Model    | Compressor |      | Suction Temperature °F |       |       |       |       |       |        |
|----------|------------|------|------------------------|-------|-------|-------|-------|-------|--------|
|          |            |      | -25°F                  | -20°F | -10°F | 0°F   | 10°F  | 20°F  | 30°F   |
| HWN005X6 | RST45C1E   | BTUH | 1,650                  | 1,780 | 2,220 | 2,920 | 3,890 | 5,120 | 6,630  |
|          |            | GPM  | 0.3                    | 0.4   | 0.6   | 0.9   | 1.3   | 1.8   | 2.8    |
|          |            | PSI  | 0.1                    | 0.2   | 0.3   | 0.5   | 0.9   | 1.6   | 3.4    |
| HWN008X6 | RST55C1E   | BTUH | 1,300                  | 1,690 | 2,560 | 3,570 | 4,780 | 6,240 | 8,010  |
|          |            | GPM  | 0.2                    | 0.4   | 0.8   | 1.2   | 1.7   | 2.7   | 4.8    |
|          |            | PSI  | 0.1                    | 0.2   | 0.4   | 0.8   | 1.5   | 3.1   | 7.3    |
| HWN009X6 | RST64C1E   | BTUH | 1,710                  | 2,220 | 3,350 | 4,670 | 6,260 | 8,170 | 10,490 |
|          |            | GPM  | 0.5                    | 0.5   | 0.6   | 1.2   | 1.9   | 2.7   | 4.1    |
|          |            | PSI  | 0.25                   | 0.3   | 0.3   | 1.1   | 2.1   | 3.8   | 7.8    |
| HWN010X6 | RST70C1E   | BTUH | 1,310                  | 2,010 | 3,400 | 4,850 | 6,460 | 8,340 | 10,590 |
|          |            | GPM  | 0.5                    | 0.5   | 0.7   | 1.3   | 1.9   | 2.7   | 4.1    |
|          |            | PSI  | 0.4                    | 0.4   | 0.4   | 1.2   | 2.3   | 3.8   | 7.6    |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling.

### Extended Temperature Models - R-448A/R-449A

| Model    | Compressor |      | Suction Temperature °F |       |       |       |       |       |        |
|----------|------------|------|------------------------|-------|-------|-------|-------|-------|--------|
|          |            |      | -25°F                  | -20°F | -10°F | 0°F   | 10°F  | 20°F  | 30°F   |
| HWN005X6 | RST45C1E   | BTUH | -                      | -     | 2,170 | 2,970 | 3,990 | 5,270 | 6,850  |
|          |            | GPM  | -                      | -     | 0.6   | 0.9   | 1.3   | 1.9   | 3.3    |
|          |            | PSI  | -                      | -     | 0.3   | 0.5   | 1.0   | 1.8   | 4.3    |
| HWN008X6 | RST55C1E   | BTUH | -                      | -     | 2,820 | 3,740 | 5,040 | 6,690 | 8,700  |
|          |            | GPM  | -                      | -     | 0.9   | 1.3   | 1.9   | 3.5   | 8.9    |
|          |            | PSI  | -                      | -     | 0.5   | 1.0   | 1.8   | 4.8   | 16.8   |
| HWN009X6 | RST64C1E   | BTUH | -                      | -     | 3,590 | 4,820 | 6,440 | 8,440 | 10,820 |
|          |            | GPM  | -                      | -     | 0.9   | 1.4   | 2.1   | 3.0   | 4.8    |
|          |            | PSI  | -                      | -     | 0.7   | 1.4   | 2.6   | 4.6   | 10.2   |
| HWN010X6 | RST70C1E   | BTUH | -                      | -     | 3,710 | 5,060 | 6,610 | 8,380 | 10,390 |
|          |            | GPM  | -                      | -     | 0.9   | 1.4   | 2.0   | 2.8   | 4.1    |
|          |            | PSI  | -                      | -     | 0.6   | 1.4   | 2.5   | 4.1   | 7.6    |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling.

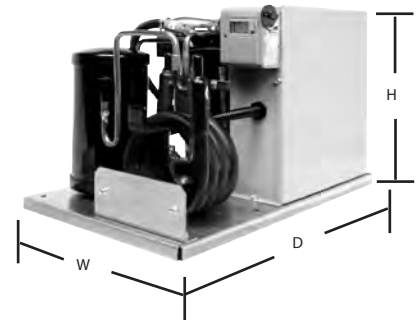
## UNIT SPECIFICATIONS - HWN MODELS

| Model                       | Compressor | Connections (in.) |                 |                      |                       | Receiver<br>90% Full<br>Lbs. | Dimensions (in.) |    |    | Net Wt.<br>(lbs.) |
|-----------------------------|------------|-------------------|-----------------|----------------------|-----------------------|------------------------------|------------------|----|----|-------------------|
|                             |            | Suction<br>(ODS)  | Liquid<br>(ODS) | Water<br>In<br>(FPT) | Water<br>Out<br>(MPT) |                              | D                | W  | H  |                   |
|                             |            |                   |                 |                      |                       |                              |                  |    |    |                   |
| High Temperature Models     |            |                   |                 |                      |                       |                              |                  |    |    |                   |
| HWN005H6                    | RST45C1E   | 1/2               | 3/8             | 1/2                  | 1/2                   | 5.5                          | 22               | 14 | 17 | 98                |
| HWN009H6                    | RST64C1E   | 5/8               | 3/8             | 1/2                  | 1/2                   | 5.5                          | 22               | 14 | 17 | 103               |
| HWN010H6                    | RST70C1E   | 5/8               | 3/8             | 1/2                  | 1/2                   | 5.5                          | 22               | 14 | 17 | 107               |
| HWN015H6                    | CS10K6E    | 5/8               | 3/8             | 1/2                  | 1/2                   | 9.0                          | 27               | 22 | 21 | 148               |
| HWN025H6                    | CS14K6E    | 7/8               | 3/8             | 1/2                  | 1/2                   | 9.0                          | 27               | 22 | 21 | 152               |
| HWN032H6                    | CS20K6E    | 7/8               | 1/2             | 1/2                  | 1/2                   | 20.0                         | 27               | 22 | 28 | 182               |
| Extended Temperature Models |            |                   |                 |                      |                       |                              |                  |    |    |                   |
| HWN005X6                    | RST45C1E   | 1/2               | 3/8             | 1/2                  | 1/2                   | 5.5                          | 22               | 14 | 17 | 98                |
| HWN008X6                    | RST55C1E   | 1/2               | 3/8             | 1/2                  | 1/2                   | 5.5                          | 22               | 14 | 17 | 98                |
| HWN009X6                    | RST64C1E   | 5/8               | 3/8             | 1/2                  | 1/2                   | 5.5                          | 22               | 14 | 17 | 103               |
| HWN010X6                    | RST70C1E   | 5/8               | 3/8             | 1/2                  | 1/2                   | 5.5                          | 22               | 14 | 17 | 107               |
| HWN015X6                    | CS10K6E    | 5/8               | 3/8             | 1/2                  | 1/2                   | 9.0                          | 27               | 22 | 21 | 148               |
| HWN020X6                    | CS12K6E    | 7/8               | 3/8             | 1/2                  | 1/2                   | 9.0                          | 27               | 22 | 21 | 148               |
| HWN025X6                    | CS14K6E    | 7/8               | 3/8             | 1/2                  | 1/2                   | 9.0                          | 27               | 22 | 21 | 152               |
| HWN030X6                    | CS18K6E    | 7/8               | 1/2             | 1/2                  | 1/2                   | 20.0                         | 27               | 22 | 28 | 172               |
| HWN032X6                    | CS20K6E    | 7/8               | 1/2             | 1/2                  | 1/2                   | 20.0                         | 27               | 22 | 28 | 182               |
| Low Temperature Models      |            |                   |                 |                      |                       |                              |                  |    |    |                   |
| HWN011L6                    | CF04K6E    | 5/8               | 3/8             | 1/2                  | 1/2                   | 9.0                          | 27               | 22 | 21 | 114               |
| HWN014L6                    | CF06K6E    | 5/8               | 3/8             | 1/2                  | 1/2                   | 9.0                          | 27               | 22 | 21 | 114               |
| HWN025L6                    | CF09K6E    | 5/8               | 3/8             | 1/2                  | 1/2                   | 9.0                          | 27               | 22 | 21 | 120               |
| HWN031L6                    | CF12K6E    | 7/8               | 1/2             | 1/2                  | 1/2                   | 20.0                         | 27               | 22 | 28 | 136               |

ODS = Outside Diameter Sweat

FPT = Female Pipe Thread

MPT = Male Pipe Thread



## ELECTRICAL DATA - HWN MODELS

| Model Number                | Compressor Number | Power Supply |    |                 | Compressor |       | Beacon II™ or Air Defrost |      | Electric Defrost |      | Def. Htr | Evap. Fan |
|-----------------------------|-------------------|--------------|----|-----------------|------------|-------|---------------------------|------|------------------|------|----------|-----------|
|                             |                   | Volts        | Ph | Hz <sup>+</sup> | RLA        | LRA   | MCA                       | MOPD | MCA              | MOPD | Amps     | Amps      |
| High Temperature Models     |                   |              |    |                 |            |       |                           |      |                  |      |          |           |
| HWN005H6B                   | RST45C1E-CAV      | 208-230      | 1  | 60              | 4.5        | 26.5  | 15.0                      | 15   | -                | -    | -        | -         |
| HWN009H6B                   | RST64C1E-CAV      | 208-230      | 1  | 60              | 7.6        | 43    | 15.0                      | 15   | -                | -    | -        | -         |
| HWN010H6B                   | RST70C1E-PFV      | 208-230      | 1  | 60              | 6.9        | 34.2  | 15.0                      | 15   | -                | -    | -        | -         |
| HWN010H6C                   | RST70C1E-TFC      | 208-230      | 3  | 60              | 4.7        | 31.0  | 15.0                      | 15   | -                | -    | -        | -         |
| HWN015H6B                   | CS10K6E-PFV       | 208-230      | 1  | 60              | 11.1       | 56.0  | 15.0                      | 25   | -                | -    | -        | -         |
| HWN015H6C                   | CS10K6E-TF5       | 208-230      | 3  | 60              | 7.2        | 51.0  | 15.0                      | 15   | -                | -    | -        | -         |
| HWN025H6B                   | CS14K6E-PFV       | 208-230      | 1  | 60              | 12.4       | 61.0  | 20.0                      | 25   | -                | -    | -        | -         |
| HWN025H6C                   | CS14K6E-TF5       | 208-230      | 3  | 60              | 8.5        | 55.0  | 15.0                      | 15   | -                | -    | -        | -         |
| HWN032H6B                   | CS20K6E-PFV       | 208-230      | 1  | 60              | 17.9       | 96.0  | 22.4                      | 40   | -                | -    | -        | -         |
| HWN032H6C                   | CS20K6E-TF5       | 208-230      | 3  | 60              | 13.3       | 75.0  | 20.0                      | 30   | -                | -    | -        | -         |
| Extended Temperature Models |                   |              |    |                 |            |       |                           |      |                  |      |          |           |
| HWN005X6B                   | RST45C1E-CAV      | 208-230      | 1  | 60              | 4.6        | 26.5  | 15.0                      | 15   | 20.0             | 20   | 15       | 8.0       |
| HWN008X6B                   | RST55C1E-CAV      | 208-230      | 1  | 60              | 6.1        | 33.7  | 15.0                      | 15   | 20.0             | 20   | 15       | 8.0       |
| HWN009X6B                   | RST64C1E-CAV      | 208-230      | 1  | 60              | 8.0        | 43.0  | 15.0                      | 15   | 20.0             | 20   | 15       | 6.0       |
| HWN010X6B                   | RST70C1E-PFV      | 208-230      | 1  | 60              | 6.3        | 34.2  | 15.0                      | 15   | 20.0             | 20   | 15       | 7.0       |
| HWN010X6C                   | RST70C1E-TFC      | 208-230      | 3  | 60              | 4.2        | 31.0  | 15.0                      | 15   | 20.0             | 20   | 15       | 8.6       |
| HWN015X6B                   | CS10K6E-PFV       | 208-230      | 1  | 60              | 9.8        | 56.0  | 15.0                      | 20   | 24.0             | 25   | 19       | 6.0       |
| HWN015X6C                   | CS10K6E-TF5       | 208-230      | 3  | 60              | 6.7        | 51.0  | 15.0                      | 15   | 20.0             | 20   | 15       | 7.0       |
| HWN020X6B                   | CS12K6E-PFV       | 208-230      | 1  | 60              | 9.8        | 56.0  | 15.0                      | 20   | 24.0             | 25   | 19       | 6.0       |
| HWN020X6C                   | CS12K6E-TF5       | 208-230      | 3  | 60              | 6.7        | 51.0  | 15.0                      | 15   | 25.0             | 25   | 19       | 9.0       |
| HWN025X6B                   | CS14K6E-PFV       | 208-230      | 1  | 60              | 11.2       | 61.0  | 15.0                      | 20   | 29.0             | 30   | 23       | 6.0       |
| HWN025X6C                   | CS14K6E-TF5       | 208-230      | 3  | 60              | 8.2        | 55.0  | 15.0                      | 15   | 24.0             | 25   | 19       | 9.0       |
| HWN025X6D                   | CS14K6E-TFD       | 460          | 3  | 60              | 4.2        | 28.0  | 15.0                      | 15   | 20.0             | 20   | 15       | 8.3       |
| HWN030X6B                   | CS18K6E-PFV       | 208-230      | 1  | 60              | 14.4       | 82.0  | 18.0                      | 30   | 38.0             | 40   | 30       | 12.0      |
| HWN030X6C                   | CS18K6E-TF5       | 208-230      | 3  | 60              | 9.4        | 65.5  | 15.0                      | 20   | 29.0             | 30   | 23       | 7.0       |
| HWN032X6B                   | CS20K6E-PFV       | 208-230      | 1  | 60              | 16.7       | 96.0  | 21.0                      | 30   | 38.0             | 50   | 30       | 12.0      |
| HWN032X6C                   | CS20K6E-TF5       | 208-230      | 3  | 60              | 10.3       | 75.0  | 15.0                      | 20   | 29.0             | 30   | 23       | 7.0       |
| HWN032X6D                   | CS20K6E-TFD       | 460          | 3  | 60              | 4.6        | 40.0  | 15.0                      | 15   | 24.0             | 25   | 19       | 10.0      |
| Low Temperature Models      |                   |              |    |                 |            |       |                           |      |                  |      |          |           |
| HWN011L6B                   | CF04K6E-PFV       | 208-230      | 1  | 60              | 9.6        | 59.2  | 15.0                      | 15   | 20.0             | 20   | 15       | 8.0       |
| HWN011L6C                   | CF04K6E-TF5       | 208-230      | 3  | 60              | 6.4        | 52.0  | 15.0                      | 15   | 20.0             | 20   | 15       | 8.0       |
| HWN014L6B                   | CF06K6E-PFV       | 208-230      | 1  | 60              | 11.4       | 59.2  | 15.0                      | 20   | 20.0             | 25   | 23       | 4.0       |
| HWN014L6C                   | CF06K6E-TF5       | 208-230      | 3  | 60              | 7.0        | 52.0  | 15.0                      | 15   | 20.0             | 20   | 19       | 9.0       |
| HWN025L6B                   | CF09K6E-PFV       | 208-230      | 1  | 60              | 16.7       | 87.0  | 20.0                      | 30   | 25.0             | 35   | 30       | 6.0       |
| HWN025L6C                   | CF09K6E-TF5       | 208-230      | 3  | 60              | 10.2       | 72.2  | 15.0                      | 20   | 20.0             | 25   | 19       | 7.0       |
| HWN031L6B                   | CF12K6E-PFV       | 208-230      | 1  | 60              | 19.0       | 105.0 | 21.0                      | 35   | 38.0             | 50   | 30       | 12.0      |
| HWN031L6C                   | CR12K6E-TF5       | 208-230      | 3  | 60              | 11.9       | 85.0  | 15.0                      | 20   | 29.0             | 30   | 23       | 7.0       |
| HWN031L6D                   | CF12K6E-TFD       | 460          | 3  | 60              | 5.9        | 42.0  | 15.0                      | 15   | 24.0             | 25   | 19       | 10.0      |

<sup>+</sup> Consult Factory for 50 hz applications

RLA values have been calculated by dividing the maximum continuous current (MCC) by 1.56, per UL and National Electrical Code Standard.

RLA = Rated Load Amps

MCA = Minimum Circuit Ampacity

LRA = Locked Rotor Amps

MOPD = Maximum Overload Protection Device

## PERFORMANCE DATA - ZWN MODELS

### Extended Temperature Models - R-404A

| Model    | Compressor<br>R-404A |      | Suction Temperature °F |        |        |        |        |        |        |        |
|----------|----------------------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |                      |      | -25 °F                 | -20°F  | -10°F  | 0°F    | 10°F   | 20°F   | 30°F   | 40°F   |
| ZWN010X6 | ZS09KAE              | BTUH | 3,860                  | 4,370  | 5,530  | 6,950  | 8,680  | 10,770 | 13,270 | 16,230 |
|          |                      | GPM  | 1.0                    | 1.1    | 1.3    | 1.4    | 1.9    | 2.5    | 3.4    | 4.9    |
|          |                      | PSI  | 0.2                    | 0.4    | 0.8    | 1.4    | 2.3    | 3.4    | 5.7    | 10     |
| ZWN015X6 | ZS13KAE              | BTUH | 5,330                  | 6,020  | 7,620  | 9,580  | 11,970 | 14,850 | 18,290 | 22,380 |
|          |                      | GPM  | 1.0                    | 1.2    | 1.4    | 1.5    | 2.3    | 3.2    | 4.4    | 6.2    |
|          |                      | PSI  | 1.0                    | 1.0    | 1.2    | 1.3    | 1.5    | 1.7    | 2.8    | 4.8    |
| ZWN020X6 | ZS15KAE              | BTUH | 6,420                  | 7,260  | 9,190  | 11,550 | 14,420 | 17,900 | 22,050 | 26,970 |
|          |                      | GPM  | 1.0                    | 1.3    | 1.5    | 2.3    | 3.3    | 4.6    | 6.5    | 9.6    |
|          |                      | PSI  | 1.0                    | 1.1    | 1.2    | 1.5    | 1.8    | 3.0    | 5.4    | 10.8   |
| ZWN025X6 | ZS19KAE              | BTUH | 7,200                  | 8,140  | 10,300 | 12,950 | 16,170 | 20,070 | 24,720 | 30,240 |
|          |                      | GPM  | 1.0                    | 1.5    | 2.0    | 2.2    | 3.2    | 4.7    | 6.8    | 9.9    |
|          |                      | PSI  | 1.0                    | 1.2    | 1.4    | 1.6    | 2.0    | 3.0    | 5.4    | 10     |
| ZWN030X6 | ZS21KAE              | BTUH | 9,010                  | 10,230 | 12,840 | 16,070 | 19,740 | 24,110 | 29,310 | 35,200 |
|          |                      | GPM  | 1.2                    | 1.3    | 1.6    | 2.0    | 2.7    | 4.4    | 6.8    | 10.8   |
|          |                      | PSI  | 0.6                    | 0.6    | 0.7    | 0.9    | 1.2    | 1.8    | 3.7    | 8.1    |
| ZWN035X6 | ZS26KAE              | BTUH | 11,270                 | 12,740 | 15,910 | 19,930 | 24,490 | 29,950 | 36,400 | 43,650 |
|          |                      | GPM  | 4.6                    | 5.1    | 5.2    | 5.6    | 6.0    | 6.8    | 8.8    | 12     |
|          |                      | PSI  | 1.9                    | 1.9    | 1.9    | 2.1    | 2.3    | 2.6    | 3.9    | 6.7    |
| ZWN045X6 | ZS29KAE              | BTUH | 12,810                 | 14,390 | 17,960 | 22,870 | 28,480 | 35,030 | 42,320 | 50,100 |
|          |                      | GPM  | 5.1                    | 5.2    | 5.5    | 5.8    | 6.8    | 8.5    | 11.9   | 15.1   |
|          |                      | PSI  | 1.9                    | 1.9    | 2.0    | 2.1    | 2.6    | 3.7    | 6.6    | 9.8    |
| ZWN055X6 | ZS38K4E              | BTUH | 15,920                 | 18,050 | 22,640 | 28,420 | 34,970 | 42,780 | 51,980 | 62,350 |
|          |                      | GPM  | 3.1                    | 3.4    | 4.8    | 5.8    | 7.5    | 10.3   | 14.5   | 21     |
|          |                      | PSI  | 0.5                    | 0.6    | 1.0    | 1.1    | 2.2    | 3.8    | 7.0    | 13.1   |
| ZWN060X6 | ZS45K4E              | BTUH | 19,220                 | 21,820 | 27,360 | 34,160 | 41,850 | 51,090 | 62,130 | 74,750 |
|          |                      | GPM  | 3.1                    | 3.3    | 5.0    | 6.9    | 9.0    | 12.6   | 17.7   | 23.9   |
|          |                      | PSI  | 0.8                    | 0.8    | 1.2    | 1.2    | 2.0    | 3.7    | 6.8    | 10.1   |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling. (ITD = Condensing temperature - entering condenser water temperature)

BTUH = British Thermal Units (All capacities are rated at 60 Hz operation)

GPM = Gallons per Minute (Water flow rate)

PSI = Pounds per Square Inch (Water pressure drop through condenser)

## PERFORMANCE DATA - ZWN MODELS

### Extended Temperature Models - R-407A

| Model    | Compressor |      | Suction Temperature °F |        |        |        |        |        |        |        |
|----------|------------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |            |      | -25°F                  | -20°F  | -10°F  | 0°F    | 10°F   | 20°F   | 30°F   | 40°F   |
| ZWN010X6 | ZS09KAE    | BTUH | 3,510                  | 4,170  | 5,510  | 6,980  | 8,680  | 10,710 | 13,170 | 16,170 |
|          |            | GPM  | 1.0                    | 1.1    | 1.2    | 1.3    | 1.8    | 2.3    | 3.2    | 4.7    |
|          |            | PSI  | 0.5                    | 0.8    | 1.0    | 1.3    | 2.0    | 3.0    | 5.0    | 9.4    |
| ZWN015X6 | ZS13KAE    | BTUH | 4,780                  | 5,680  | 7,510  | 9,520  | 11,830 | 14,600 | 17,960 | 22,050 |
|          |            | GPM  | 1.0                    | 1.0    | 1.2    | 1.3    | 2.0    | 2.9    | 4.1    | 5.9    |
|          |            | PSI  | 1.0                    | 1.2    | 1.3    | 1.5    | 1.8    | 2.0    | 2.5    | 4.4    |
| ZWN020X6 | ZS15KAE    | BTUH | 5,760                  | 6,850  | 9,060  | 11,470 | 14,260 | 17,600 | 21,650 | 26,580 |
|          |            | GPM  | 1.0                    | 1.0    | 1.3    | 2.1    | 3.0    | 4.2    | 6.0    | 9.0    |
|          |            | PSI  | 1.0                    | 1.2    | 1.5    | 1.8    | 2.0    | 2.6    | 4.6    | 9.9    |
| ZWN025X6 | ZS19KAE    | BTUH | 6,500                  | 7,720  | 10,220 | 12,950 | 16,090 | 19,860 | 24,420 | 29,990 |
|          |            | GPM  | 1.1                    | 1.4    | 1.8    | 2.1    | 2.9    | 4.3    | 6.3    | 9.6    |
|          |            | PSI  | 1.0                    | 1.0    | 1.0    | 1.1    | 1.5    | 2.6    | 4.8    | 9.5    |
| ZWN030X6 | ZS21KAE    | BTUH | 7,530                  | 9,140  | 12,570 | 16,450 | 20,950 | 26,250 | 32,510 | -      |
|          |            | GPM  | 1.0                    | 1.1    | 1.2    | 3.6    | 6.3    | 10.2   | 18.9   | -      |
|          |            | PSI  | 1.0                    | 1.0    | 1.0    | 1.1    | 3.3    | 7.4    | 18.6   | -      |
| ZWN035X6 | ZS26KAE    | BTUH | 8,360                  | 10,140 | 13,950 | 18,260 | 23,260 | 29,130 | 36,090 | -      |
|          |            | GPM  | 2.3                    | 2.8    | 4.1    | 5.5    | 7.1    | 9.5    | 14.2   | -      |
|          |            | PSI  | 1.0                    | 1.0    | 1      | 1.8    | 2.8    | 4.4    | 8.9    | -      |
| ZWN045X6 | ZS29KAE    | BTUH | 9,370                  | 11,360 | 15,630 | 20,460 | 26,050 | 32,640 | 40,430 | -      |
|          |            | GPM  | 2.8                    | 3.5    | 4.9    | 6.5    | 8.4    | 12     | 18.8   | -      |
|          |            | PSI  | 0.5                    | 0.6    | 1.5    | 2.4    | 3.6    | 6.7    | 13.5   | -      |
| ZWN055X6 | ZS38K4E    | BTUH | 13,950                 | 15,910 | 20,880 | 27,140 | 34,580 | 43,090 | 52,560 | -      |
|          |            | GPM  | 3.3                    | 4.0    | 5.6    | 7.9    | 11.8   | 17.7   | 24.7   | -      |
|          |            | PSI  | 0.4                    | 0.7    | 1.3    | 2.4    | 4.8    | 9.9    | 16.7   | -      |
| ZWN060X6 | ZS45K4E    | BTUH | 16,780                 | 19,220 | 25,210 | 32,660 | 41,480 | 51,610 | 62,980 | -      |
|          |            | GPM  | 3.4                    | 4.4    | 6.8    | 9.8    | 14.4   | 21.4   | 29.8   | -      |
|          |            | PSI  | 0.2                    | 0.5    | 1.1    | 2.3    | 4.7    | 9.4    | 15.3   | -      |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling.

## PERFORMANCE DATA - ZWN MODELS

### Extended Temperature Models - R-407C

| Model    | Compressor |      | Suction Temperature °F |        |        |        |        |        |        |        |
|----------|------------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |            |      | -25°F                  | -20°F  | -10°F  | 0°F    | 10°F   | 20°F   | 30°F   | 40°F   |
| ZWN010X6 | ZS09KAE    | BTUH | 1,640                  | 2,490  | 4,220  | 6,040  | 8,000  | 10,170 | 12,610 | 15,370 |
|          |            | GPM  | 1.0                    | 1.0    | 1.1    | 1.2    | 1.7    | 2.2    | 3.0    | 4.3    |
|          |            | PSI  | 1.0                    | 1.2    | 1.3    | 1.5    | 1.8    | 2.9    | 4.6    | 8.2    |
| ZWN015X6 | ZS13KAE    | BTUH | 2,240                  | 3,400  | 5,760  | 8,240  | 10,910 | 13,870 | 17,190 | 20,960 |
|          |            | GPM  | 1.0                    | 1.2    | 1.3    | 1.6    | 1.8    | 2.8    | 3.8    | 5.3    |
|          |            | PSI  | 1.0                    | 1.1    | 1.3    | 1.5    | 1.8    | 2.0    | 2.3    | 3.8    |
| ZWN020X6 | ZS15KAE    | BTUH | 2,700                  | 4,100  | 6,940  | 9,930  | 13,160 | 16,720 | 20,720 | 25,260 |
|          |            | GPM  | 1.2                    | 1.5    | 1.7    | 2.0    | 2.7    | 3.9    | 5.6    | 8.0    |
|          |            | PSI  | 1.1                    | 1.4    | 1.6    | 1.9    | 2.0    | 2.3    | 4.1    | 8.1    |
| ZWN025X6 | ZS19KAE    | BTUH | 3,040                  | 4,620  | 7,830  | 11,200 | 14,840 | 18,870 | 23,390 | 28,510 |
|          |            | GPM  | 1.0                    | 1.3    | 1.5    | 2.1    | 2.7    | 4.0    | 5.9    | 8.6    |
|          |            | PSI  | 1.0                    | 1.0    | 1.0    | 1.1    | 1.3    | 2.3    | 4.3    | 7.9    |
| ZWN030X6 | ZS21KAE    | BTUH | 4,090                  | 6,210  | 10,520 | 15,050 | 19,940 | 25,340 | 31,410 | -      |
|          |            | GPM  | 1.0                    | 1.0    | 2.0    | 2.7    | 5.5    | 9.2    | 16.6   | -      |
|          |            | PSI  | 1.0                    | 1.0    | 1.0    | 1.0    | 2.6    | 6.2    | 15.7   | -      |
| ZWN035X6 | ZS26KAE    | BTUH | 4,530                  | 6,890  | 11,670 | 16,690 | 22,120 | 28,110 | 34,840 | -      |
|          |            | GPM  | 1.4                    | 2.0    | 3.4    | 4.9    | 6.6    | 8.7    | 12.4   | -      |
|          |            | PSI  | 1.0                    | 1.0    | 1.0    | 1.5    | 2.5    | 3.8    | 7.1    | -      |
| ZWN045X6 | ZS29KAE    | BTUH | 5,080                  | 7,720  | 13,080 | 18,710 | 24,790 | 31,510 | 39,050 | -      |
|          |            | GPM  | 1.9                    | 2.6    | 4.1    | 5.8    | 7.7    | 11     | 16.8   | -      |
|          |            | PSI  | 0.5                    | 0.5    | 1.0    | 2.0    | 3.1    | 5.7    | 11.5   | -      |
| ZWN055X6 | ZS38K4E    | BTUH | 13,910                 | 15,870 | 20,830 | 27,070 | 34,500 | 42,990 | 52,430 | -      |
|          |            | GPM  | 3.2                    | 3.9    | 5.5    | 7.8    | 11.7   | 17.5   | 24.5   | -      |
|          |            | PSI  | 0.4                    | 0.7    | 1.3    | 2.3    | 4.7    | 9.7    | 16.4   | -      |
| ZWN060X6 | ZS45K4E    | BTUH | 16,740                 | 19,170 | 25,150 | 32,580 | 41,380 | 51,490 | 62,820 | -      |
|          |            | GPM  | 3.4                    | 4.3    | 6.7    | 9.7    | 14.3   | 21.1   | 29.5   | -      |
|          |            | PSI  | 0.2                    | 0.5    | 1.1    | 2.3    | 4.7    | 9.2    | 15.1   | -      |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling.

## PERFORMANCE DATA - ZWN MODELS

### Extended Temperature Models - R-448A/R-449A

| Model    | Compressor |      | Suction Temperature °F |        |        |        |        |        |        |        |
|----------|------------|------|------------------------|--------|--------|--------|--------|--------|--------|--------|
|          |            |      | -25°F                  | -20°F  | -10°F  | 0°F    | 10°F   | 20°F   | 30°F   | 40°F   |
| ZWN010X6 | ZS09KAE    | BTUH | 2,870                  | 3,660  | 5,120  | 6,560  | 8,170  | 10,100 | 12,540 | 15,670 |
|          |            | GPM  | 0.8                    | 1.0    | 1.6    | 2.1    | 2.8    | 3.9    | 5.6    | 7.8    |
|          |            | PSI  | 0.8                    | 0.9    | 1.6    | 2.6    | 4.0    | 7.2    | 5.6    | 7.8    |
| ZWN015X6 | ZS13KAE    | BTUH | 3,930                  | 5,010  | 7,010  | 8,990  | 11,190 | 13,840 | 17,180 | 21,460 |
|          |            | GPM  | 0.2                    | 0.7    | 1.6    | 2.5    | 3.5    | 5.0    | 7.2    | 11.1   |
|          |            | PSI  | -0.5                   | -0.1   | 0.5    | 1.1    | 2.0    | 3.4    | 6.5    | 13.6   |
| ZWN020X6 | ZS15KAE    | BTUH | 4,740                  | 6,050  | 8,460  | 10,840 | 13,490 | 16,690 | 20,720 | 25,870 |
|          |            | GPM  | 0.8                    | 1.4    | 2.5    | 3.7    | 5.2    | 7.4    | 11.1   | 15.9   |
|          |            | PSI  | 0.2                    | 0.4    | 1.2    | 2.1    | 3.6    | 6.9    | 13.7   | 22.2   |
| ZWN025X6 | ZS19KAE    | BTUH | 5,330                  | 6,790  | 9,500  | 12,190 | 15,160 | 18,750 | 23,290 | 29,080 |
|          |            | GPM  | 0.2                    | 0.9    | 2.3    | 3.6    | 5.3    | 7.8    | 11.4   | 16.0   |
|          |            | PSI  | 0.1                    | 0.7    | 0.9    | 1.9    | 3.6    | 6.7    | 12.4   | 19.7   |
| ZWN030X6 | ZS21KAE    | BTUH | 7,860                  | 9,510  | 13,110 | 17,200 | 21,910 | 27,350 | 33,650 | 40,920 |
|          |            | GPM  | 1.2                    | 1.4    | 1.6    | 4.1    | 7.0    | 12.0   | 20.8   | 30.9   |
|          |            | PSI  | 0.8                    | 1.0    | 1.2    | 1.4    | 3.9    | 9.7    | 21.2   | 34.3   |
| ZWN035X6 | ZS26KAE    | BTUH | 10,480                 | 11,560 | 14,440 | 18,330 | 23,270 | 29,320 | 36,540 | 44,980 |
|          |            | GPM  | 2.7                    | 3.1    | 4.1    | 5.5    | 7.1    | 9.6    | 14.9   | 22.1   |
|          |            | PSI  | 0.2                    | 0.4    | 1.0    | 1.8    | 2.8    | 4.5    | 9.6    | 16.8   |
| ZWN045X6 | ZS29KAE    | BTUH | 9,980                  | 12,070 | 16,630 | 21,830 | 27,800 | 34,710 | 42,700 | 51,920 |
|          |            | GPM  | 2.9                    | 3.6    | 5.1    | 6.8    | 9.1    | 13.7   | 20.7   | 28.6   |
|          |            | PSI  | 0.2                    | 0.7    | 1.6    | 2.6    | 4.1    | 8.4    | 15.4   | 23.3   |
| ZWN055X6 | ZS38K4E    | BTUH | 14,040                 | 15,900 | 21,050 | 27,890 | 36,130 | 45,500 | 55,730 | 66,540 |
|          |            | GPM  | 3.8                    | 4.4    | 5.9    | 8.5    | 12.9   | 19.4   | 27.0   | 35.2   |
|          |            | PSI  | 0.6                    | 0.9    | 1.4    | 2.7    | 5.6    | 11.6   | 18.8   | 26.6   |
| ZWN060X6 | ZS45K4E    | BTUH | 17,010                 | 19,230 | 25,350 | 33,440 | 43,230 | 54,420 | 66,720 | 79,840 |
|          |            | GPM  | 4.1                    | 5.0    | 7.3    | 10.5   | 15.7   | 23.5   | 32.5   | 42.2   |
|          |            | PSI  | 0.1                    | 0.4    | 1.3    | 2.6    | 5.5    | 10.9   | 17.2   | 23.9   |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling.

## PERFORMANCE DATA - ZWN MODELS

### Low Temperature Models - R-404A

| Model    | Compressor<br>R-404A |      | Suction Temperature °F |        |        |        |        |        |
|----------|----------------------|------|------------------------|--------|--------|--------|--------|--------|
|          |                      |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F  | 0°F    |
| ZWN020L6 | ZF06K4E              | BTUH | 4,600                  | 6,090  | 6,890  | 7,760  | 9,690  | 11,970 |
|          |                      | GPM  | 1.3                    | 1.6    | 1.8    | 2.1    | 2.7    | 3.8    |
|          |                      | PSI  | 1.1                    | 1.7    | 2.1    | 2.6    | 3.9    | 6.8    |
| ZWN025L6 | ZF08K4E              | BTUH | 5,960                  | 7,730  | 8,730  | 9,820  | 12,300 | 15,240 |
|          |                      | GPM  | 1.8                    | 2.1    | 2.4    | 2.8    | 3.7    | 5.4    |
|          |                      | PSI  | 0.6                    | 0.8    | 0.9    | 1.1    | 2      | 3.7    |
| ZWN030L6 | ZF09K4E              | BTUH | 6,380                  | 8,270  | 9,300  | 10,500 | 13,200 | 16,300 |
|          |                      | GPM  | 1.8                    | 2.3    | 2.6    | 3.0    | 4.3    | 6.5    |
|          |                      | PSI  | 0.6                    | 0.9    | 1.1    | 1.3    | 2.6    | 4.1    |
| ZWN035L6 | ZF11K4E              | BTUH | 7,900                  | 10,170 | 11,500 | 12,900 | 16,200 | 20,200 |
|          |                      | GPM  | 1.9                    | 2.7    | 3.2    | 4.7    | 5.2    | 7.5    |
|          |                      | PSI  | 0.8                    | 1.3    | 1.7    | 3.1    | 3.6    | 7.1    |
| ZWN045L6 | ZF13K4E              | BTUH | 8,570                  | 11,480 | 13,200 | 15,000 | 19,100 | 23,800 |
|          |                      | GPM  | 2.6                    | 3.6    | 4.5    | 5.2    | 8.0    | 10.1   |
|          |                      | PSI  | 1.2                    | 2.1    | 2.9    | 3.6    | 8.0    | 10     |
| ZWN055L6 | ZF15K4E              | BTUH | 11,080                 | 14,480 | 16,400 | 18,500 | 23,300 | 28,900 |
|          |                      | GPM  | 2.9                    | 4.3    | 5.5    | 6.3    | 9.0    | 11.3   |
|          |                      | PSI  | 1.5                    | 2.6    | 3.8    | 4.7    | 8.6    | 12.3   |
| ZWN060L6 | ZF18K4E              | BTUH | 13,260                 | 17,260 | 19,500 | 22,000 | 27,700 | 34,500 |
|          |                      | GPM  | 2.5                    | 4.2    | 4.5    | 5.5    | 9.0    | 13.1   |
|          |                      | PSI  | 1.1                    | 1.8    | 2.1    | 2.6    | 6.0    | 11.1   |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling. (ITD = Condensing temperature - entering condenser water temperature)

BTUH = British Thermal Units (All capacities are rated at 60 Hz operation)

GPM = Gallons per Minute (Water flow rate)

PSI = Pounds per Square Inch (Water pressure drop through condenser)

### Low Temperature Models - R-407A

| Model    | Compressor |      | Suction Temperature °F |        |        |        |        |        |
|----------|------------|------|------------------------|--------|--------|--------|--------|--------|
|          |            |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F  | 0°F    |
| ZWN020L6 | ZF06K4E    | BTUH | 3,860                  | 5,180  | 5,950  | 6,800  | 8,750  | -      |
|          |            | GPM  | 1.7                    | 2.2    | 2.5    | 3      | 4.4    | -      |
|          |            | PSI  | 1.9                    | 2.8    | 3.5    | 4.5    | 8.7    | -      |
| ZWN025L6 | ZF08K4E    | BTUH | 4,770                  | 6,390  | 7,340  | 8,390  | 10,810 | -      |
|          |            | GPM  | 2.2                    | 2.9    | 3.3    | 3.9    | 6.3    | -      |
|          |            | PSI  | 0.8                    | 1.2    | 1.6    | 2.2    | 4.6    | -      |
| ZWN030L6 | ZF09K4E    | BTUH | 5,520                  | 7,090  | 8,170  | 9,400  | 12,140 | 15,050 |
|          |            | GPM  | 2.6                    | 3.4    | 3.9    | 4.6    | 9.1    | 18     |
|          |            | PSI  | 1.1                    | 1.7    | 2.2    | 2.9    | 7.4    | 16.3   |
| ZWN035L6 | ZF11K4E    | BTUH | 6,850                  | 8,800  | 10,150 | 11,700 | 15,170 | 18,840 |
|          |            | GPM  | 3.1                    | 4      | 4.8    | 5.8    | 8.9    | 14.6   |
|          |            | PSI  | 1.5                    | 2.4    | 3.2    | 4.3    | 9.7    | 21.3   |
| ZWN045L6 | ZF13K4E    | BTUH | 7,880                  | 9,980  | 11,460 | 13,180 | 17,270 | 21,990 |
|          |            | GPM  | 3.9                    | 5.2    | 6.2    | 7.6    | 13.4   | 24.2   |
|          |            | PSI  | 2.3                    | 3.6    | 4.9    | 7.3    | 18.9   | 41.9   |
| ZWN055L6 | ZF15K4E    | BTUH | 10,020                 | 12,530 | 14,270 | 16,310 | 21,210 | 27,040 |
|          |            | GPM  | 4.8                    | 6.7    | 8.3    | 10.1   | 14.3   | 19.1   |
|          |            | PSI  | 3                      | 5.2    | 7.4    | 10.6   | 20.4   | 35.9   |
| ZWN060L6 | ZF18K4E    | BTUH | 12,020                 | 15,150 | 17,280 | 19,740 | 25,580 | —      |
|          |            | GPM  | 4                      | 5.9    | 7.5    | 9.5    | 27.8   | —      |
|          |            | PSI  | 1.5                    | 2.9    | 4.4    | 6.5    | 32.2   | —      |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling.

## PERFORMANCE DATA - ZWN MODELS

### Low Temperature Models - R-407C

| Model    | Compressor |      | Suction Temperature °F |        |        |        |        |        |
|----------|------------|------|------------------------|--------|--------|--------|--------|--------|
|          |            |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F  | 0°F    |
| ZWN020L6 | ZF06K4E    | BTUH | 3,580                  | 4,840  | 5,550  | 6,340  | 8,170  | -      |
|          |            | GPM  | 1.5                    | 2.0    | 2.2    | 2.6    | 3.7    | -      |
|          |            | PSI  | 1.5                    | 2.4    | 2.9    | 3.6    | 6.4    | -      |
| ZWN025L6 | ZF08K4E    | BTUH | -                      | -      | -      | -      | -      | -      |
|          |            | GPM  | -                      | -      | -      | -      | -      | -      |
|          |            | PSI  | -                      | -      | -      | -      | -      | -      |
| ZWN030L6 | ZF09K4E    | BTUH | 5,140                  | 6,710  | 7,730  | 8,880  | 11,480 | 14,340 |
|          |            | GPM  | 2.3                    | 3.0    | 3.5    | 4.0    | 6.9    | 14     |
|          |            | PSI  | 0.9                    | 1.3    | 1.8    | 2.3    | 5.2    | 12.3   |
| ZWN035L6 | ZF11K4E    | BTUH | 6,450                  | 8,260  | 9,540  | 11,000 | 14,320 | 17,850 |
|          |            | GPM  | 2.6                    | 3.5    | 4.1    | 5.0    | 7.5    | 12     |
|          |            | PSI  | 1.2                    | 1.9    | 2.5    | 3.4    | 7.1    | 15.9   |
| ZWN045L6 | ZF13K4E    | BTUH | 7,300                  | 9,200  | 10,590 | 12,230 | 16,110 | 20,570 |
|          |            | GPM  | 3.3                    | 4.3    | 5.2    | 6.3    | 10.6   | 19     |
|          |            | PSI  | 1.7                    | 2.7    | 3.6    | 5.1    | 13     | 30.6   |
| ZWN055L6 | ZF15K4E    | BTUH | 9,260                  | 11,550 | 13,210 | 15,170 | 19,820 | 25,230 |
|          |            | GPM  | 3.9                    | 5.5    | 6.8    | 8.5    | 12.5   | 17     |
|          |            | PSI  | 2.2                    | 3.8    | 5.3    | 7.8    | 15.8   | 28.6   |
| ZWN060L6 | ZF18K4E    | BTUH | 11,180                 | 14,020 | 16,020 | 18,360 | 23,880 | —      |
|          |            | GPM  | 3.2                    | 4.7    | 6.0    | 7.7    | 16.3   | —      |
|          |            | PSI  | 1.2                    | 2.0    | 3.0    | 4.6    | 15.7   | —      |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling.

### Low Temperature Models - R-448A/R-449A

| Model    | Compressor |      | Suction Temperature °F |        |        |        |        |        |
|----------|------------|------|------------------------|--------|--------|--------|--------|--------|
|          |            |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F  | 0°F    |
| ZWN020L6 | ZF06K4E    | BTUH | 3,950                  | 5,340  | 6,120  | 6,970  | 8,900  | 11,210 |
|          |            | GPM  | 1.6                    | 2.1    | 2.4    | 2.8    | 4.1    | 5.9    |
|          |            | PSI  | 1.7                    | 2.6    | 3.2    | 4.1    | 7.8    | 13.2   |
| ZWN025L6 | ZF08K4E    | BTUH | 5,130                  | 6,790  | 7,760  | 8,830  | 11,300 | 14,280 |
|          |            | GPM  | 2.3                    | 3.2    | 3.9    | 4.7    | 6.6    | 8.9    |
|          |            | PSI  | 3.1                    | 5.1    | 7.1    | 9.5    | 15.2   | 22.0   |
| ZWN030L6 | ZF09K4E    | BTUH | 5,760                  | 7,610  | 8,670  | 9,840  | 12,540 | 15,790 |
|          |            | GPM  | 2.6                    | 3.5    | 4.0    | 4.7    | 7.4    | 10.5   |
|          |            | PSI  | 1.1                    | 1.8    | 2.3    | 3.0    | 5.7    | 8.8    |
| ZWN035L6 | ZF11K4E    | BTUH | 7,180                  | 9,450  | 10,770 | 12,240 | 15,650 | 19,740 |
|          |            | GPM  | 3.0                    | 4.1    | 4.8    | 5.8    | 8.6    | 12.6   |
|          |            | PSI  | 1.5                    | 2.5    | 3.2    | 4.3    | 9.2    | 16.4   |
| ZWN045L6 | ZF13K4E    | BTUH | 8,230                  | 10,840 | 12,440 | 14,250 | 18,460 | 23,460 |
|          |            | GPM  | 5.2                    | 6.6    | 7.9    | 9.5    | 13.2   | 17.8   |
|          |            | PSI  | 3.7                    | 5.6    | 7.8    | 10.6   | 17.3   | 25.6   |
| ZWN055L6 | ZF15K4E    | BTUH | 10,440                 | 13,610 | 15,520 | 17,680 | 22,720 | 28,790 |
|          |            | GPM  | 6.6                    | 8.9    | 10.4   | 12.0   | 16.0   | 20.8   |
|          |            | PSI  | 5.1                    | 8.4    | 10.8   | 13.4   | 19.7   | 27.5   |
| ZWN060L6 | ZF18K4E    | BTUH | 12,610                 | 16,500 | 18,810 | 21,380 | 27,360 | 34,530 |
|          |            | GPM  | 6.0                    | 8.3    | 9.8    | 13.1   | 21.4   | 31.5   |
|          |            | PSI  | 3.0                    | 5.2    | 6.8    | 11.2   | 21.9   | 35.1   |

Capacity ratings conditions: 85°F entering water, 105°F condensing, 20°F ITD, 0°F subcooling.

## UNIT SPECIFICATIONS - ZWN MODELS

| Model                       | Compressor | Connections (in.) |                 |                   |                    | Receiver<br>90% Full<br>Lbs. | Dimensions (in.) |    |    | Net Wt.<br>(lbs.) |
|-----------------------------|------------|-------------------|-----------------|-------------------|--------------------|------------------------------|------------------|----|----|-------------------|
|                             |            | Suction<br>(ODS)  | Liquid<br>(ODS) | Water In<br>(FPT) | Water Out<br>(MPT) |                              | D                | W  | H  |                   |
| Low Temperature Models      |            |                   |                 |                   |                    |                              |                  |    |    |                   |
| ZWN020L6                    | ZF06K4E    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 27               | 22 | 28 | 157               |
| ZWN025L6                    | ZF08K4E    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 27               | 22 | 28 | 157               |
| ZWN030L6                    | ZF09K4E    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 27               | 22 | 28 | 159               |
| ZWN035L6                    | ZF11K4E    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 27               | 22 | 28 | 165               |
| ZWN045L6                    | ZF13K4E    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 27               | 22 | 28 | 185               |
| ZWN055L6                    | ZF15K4E    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 27               | 22 | 28 | 201               |
| ZWN060L6                    | ZF18K4E    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 29               | 25 | 28 | 207               |
| Extended Temperature Models |            |                   |                 |                   |                    |                              |                  |    |    |                   |
| ZWN010X6                    | ZS09KAE    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 29               | 25 | 28 | 151               |
| ZWN015X6                    | ZS13KAE    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 29               | 25 | 28 | 149               |
| ZWN020X6                    | ZS15KAE    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 29               | 25 | 28 | 151               |
| ZWN025X6                    | ZS19KAE    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 29               | 25 | 28 | 153               |
| ZWN030X6                    | ZS21KAE    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 29               | 25 | 28 | 171               |
| ZWN035X6                    | ZS26KAE    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 29               | 25 | 28 | 186               |
| ZWN045X6                    | ZS29KAE    | 7/8               | 1/2             | 1/2               | 1/2                | 20                           | 29               | 25 | 28 | 207               |
| ZWN055X6                    | ZS38K4E    | 7/8               | 1/2             | 3/4               | 3/4                | 20                           | 29               | 25 | 28 | 226               |
| ZWN060X6                    | ZS45K4E    | 7/8               | 1/2             | 3/4               | 3/4                | 20                           | 29               | 25 | 28 | 241               |

## ELECTRICAL DATA - ZWN MODELS

| Model Number                | Compressor Number | Power Supply |    |                 | Compressor |       | Beacon II™ or Air Defrost |      | Electric Defrost |      | Def. Htr. | Evap. Fan |
|-----------------------------|-------------------|--------------|----|-----------------|------------|-------|---------------------------|------|------------------|------|-----------|-----------|
|                             |                   | Volts        | Ph | Hz <sup>+</sup> | RLA        | LRA   | MCA                       | MOPD | MCA              | MOPD | Amps      | Amps      |
| Low Temperature Models      |                   |              |    |                 |            |       |                           |      |                  |      |           |           |
| ZWN020L6B                   | ZF06K4E-PFV       | 208-230      | 1  | 60              | 12.2       | 61.0  | 20.0                      | 25   | 38               | 40   | 30        | 12.0      |
| ZWN020L6C                   | ZF06K4E-TF5       | 208-230      | 3  | 60              | 8.3        | 55.0  | 15.0                      | 15   | 24               | 25   | 19        | 6.0       |
| ZWN020L6D                   | ZF06K4E-TFD       | 460          | 3  | 60              | 3.8        | 27.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN025L6B                   | ZF08K4E-PFV       | 208-230      | 1  | 60              | 14.7       | 73.0  | 20.0                      | 30   | 38               | 45   | 30        | 12.0      |
| ZWN025L6C                   | ZF08K4E-TF5       | 208-230      | 3  | 60              | 8.7        | 63.0  | 15.0                      | 15   | 24               | 25   | 19        | 6.0       |
| ZWN025L6D                   | ZF08K4E-TFD       | 460          | 3  | 60              | 4.5        | 31.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN030L6B                   | ZF09K4E-PFV       | 208-230      | 1  | 60              | 14.7       | 88.0  | 18.0                      | 30   | 38               | 45   | 30        | 12.0      |
| ZWN030L6C                   | ZF09K4E-TF5       | 208-230      | 3  | 60              | 9.9        | 77.0  | 15.0                      | 20   | 24               | 25   | 19        | 6.0       |
| ZWN030L6D                   | ZF09K4E-TFD       | 460          | 3  | 60              | 5.1        | 39.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN035L6B                   | ZF11K4E-PFV       | 208-230      | 1  | 60              | 18.6       | 109.0 | 23.0                      | 40   | 38               | 50   | 30        | 12.0      |
| ZWN035L6C                   | ZF11K4E-TF5       | 208-230      | 3  | 60              | 12.2       | 88.0  | 15.0                      | 25   | 29               | 30   | 23        | 6.0       |
| ZWN035L6D                   | ZF11K4E-TFD       | 460          | 3  | 60              | 6.4        | 44.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN045L6B                   | ZF13K4E-PFV       | 208-230      | 1  | 60              | 24.0       | 129.0 | 30.0                      | 50   | 41               | 60   | 30        | 11.0      |
| ZWN045L6C                   | ZF13K4E-TF5       | 208-230      | 3  | 60              | 13.5       | 99.0  | 17.0                      | 30   | 38               | 40   | 30        | 11.0      |
| ZWN045L6D                   | ZF13K4E-TFD       | 460          | 3  | 60              | 7.4        | 49.5  | 15.0                      | 15   | 24               | 25   | 19        | 9.0       |
| ZWN055L6B                   | ZF15K4E-PFV       | 208-230      | 1  | 60              | 28.8       | 169.0 | 36.0                      | 60   | 38               | 60   | 30        | 10.0      |
| ZWN055L6C                   | ZF15K4E-TF5       | 208-230      | 3  | 60              | 19.2       | 123.0 | 24.0                      | 40   | 38               | 50   | 30        | 10.0      |
| ZWN055L6D                   | ZF15K4E-TFD       | 460          | 3  | 60              | 8.7        | 62.0  | 15.0                      | 15   | 25               | 25   | 19        | 8.0       |
| ZWN060L6C                   | ZF18K4E-TF5       | 208-230      | 3  | 60              | 21.5       | 156.0 | 27.0                      | 45   | 44               | 60   | 35        | 12.0      |
| ZWN060L6D                   | ZF18K4E-TFD       | 460          | 3  | 60              | 8.3        | 70.0  | 15.0                      | 15   | 29               | 30   | 23        | 11.0      |
| Extended Temperature Models |                   |              |    |                 |            |       |                           |      |                  |      |           |           |
| ZWN010X6B                   | ZS09KAE-PFV       | 208-230      | 1  | 60              | 9.0        | 40.3  | 15.0                      | 20   | 38               | 40   | 30        | 12.0      |
| ZWN010X6C                   | ZS09KAE-TF5       | 208-230      | 3  | 60              | 7.2        | 55.4  | 15.0                      | 15   | 38               | 40   | 30        | 12.0      |
| ZWN010X6D                   | ZS09KAE-TFD       | 460          | 3  | 60              | 3.4        | 28.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN015X6B                   | ZS13KAE-PFV       | 208-230      | 1  | 60              | 10.8       | 56.0  | 15.0                      | 20   | 38               | 40   | 30        | 12.0      |
| ZWN015X6C                   | ZS13KAE-TF5       | 208-230      | 3  | 60              | 8.7        | 58.0  | 15.0                      | 15   | 38               | 40   | 30        | 12.0      |
| ZWN015X6D                   | ZS13KAE-TFD       | 460          | 3  | 60              | 4.3        | 29.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN020X6B                   | ZS15KAE-PFV       | 208-230      | 1  | 60              | 14.1       | 68.0  | 20.0                      | 30   | 38               | 40   | 30        | 12.0      |
| ZWN020X6C                   | ZS15KAE-TF5       | 208-230      | 3  | 60              | 9.6        | 58.0  | 15.0                      | 20   | 38               | 40   | 30        | 12.0      |
| ZWN020X6D                   | ZS15KAE-TFD       | 460          | 3  | 60              | 4.8        | 29.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN025X6B                   | ZS19KAE-PFV       | 208-230      | 1  | 60              | 16.2       | 75.0  | 20.0                      | 35   | 38               | 45   | 30        | 12.0      |
| ZWN025X6C                   | ZS19KAE-TF5       | 208-230      | 3  | 60              | 12.3       | 73.0  | 20.0                      | 25   | 38               | 40   | 30        | 12.0      |
| ZWN025X6D                   | ZS19KAE-TFD       | 460          | 3  | 60              | 5.8        | 38.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN030X6B                   | ZS21KAE-PFV       | 208-230      | 1  | 60              | 20.8       | 112.0 | 26.0                      | 45   | 38               | 50   | 30        | 12.0      |
| ZWN030X6C                   | ZS21KAE-TF5       | 208-230      | 3  | 60              | 13.7       | 93.0  | 20.0                      | 30   | 38               | 40   | 30        | 12.0      |
| ZWN030X6D                   | ZS21KAE-TFD       | 460          | 3  | 60              | 6.2        | 48.0  | 15.0                      | 15   | 24               | 25   | 19        | 10.0      |
| ZWN035X6B                   | ZS26KAE-PFV       | 208-230      | 1  | 60              | 21.2       | 104.0 | 26.5                      | 45   | 38               | 50   | 30        | 12.0      |
| ZWN035X6C                   | ZS26KAE-TF5       | 208-230      | 3  | 60              | 13.9       | 93.0  | 20.0                      | 30   | 38               | 40   | 30        | 12.0      |
| ZWN035X6D                   | ZS26KAE-TFD       | 460          | 3  | 60              | 6.2        | 48.0  | 15.0                      | 15   | 24               | 25   | 19        | 9.0       |
| ZWN045X6B                   | ZS29KAE-PFV       | 208-230      | 1  | 60              | 23.4       | 137.0 | 29.3                      | 50   | 59               | 60   | 47        | 11.0      |
| ZWN045X6C                   | ZS29KAE-TF5       | 208-230      | 3  | 60              | 18.4       | 114.0 | 23.0                      | 40   | 44               | 50   | 35        | 12.0      |
| ZWN045X6D                   | ZS29KAE-TFD       | 460          | 3  | 60              | 8.4        | 58.0  | 15.0                      | 15   | 29               | 30   | 23        | 11.0      |
| ZWN055X6B                   | ZS38K4E-PFV       | 208-230      | 1  | 60              | 28.8       | 169.0 | 36.0                      | 60   | 59               | 60   | 47        | 12.0      |
| ZWN055X6C                   | ZS38K4E-TF5       | 208-230      | 3  | 60              | 19.2       | 123.0 | 24.0                      | 40   | 44               | 50   | 35        | 12.0      |
| ZWN055X6D                   | ZS38K4E-TFD       | 460          | 3  | 60              | 8.7        | 62.0  | 15.0                      | 15   | 29               | 30   | 23        | 10.0      |
| ZWN060X6C                   | ZS45K4E-TF5       | 208-230      | 3  | 60              | 21.5       | 156.0 | 27.0                      | 45   | 38               | 60   | 30        | 12.0      |
| ZWN060X6D                   | ZS45K4E-TFD       | 460          | 3  | 60              | 8.3        | 70.0  | 15.0                      | 15   | 29               | 30   | 23        | 10.6      |

<sup>+</sup> Consult Factory for 50 hz applications

RLA values have been calculated by dividing the maximum continuous current (MCC) by 1.56, per UL and National Electrical Code Standard.

RLA = Rated Load Amps

LRA = Locked Rotor Amps

MCA = Minimum Circuit Ampacity

MOPD = Maximum Overload Protection Device

## FEATURES & BENEFITS - SWN MODELS

The indoor SWN water-cooled condensing unit is specifically designed for use in supermarket, restaurant, warehouse and other commercial and industrial applications. The design focuses on ease of installation and maintenance along with the flexibility to fit most application requirements.

### Construction

- Spacious, pre-painted electrical box
- Fixed low pressure switch (adjustable on low temp models)
- Fixed high pressure switch
- Pump down switch
- 230V control circuit transformer on 460V units
- Standard 16-3/4" tall box - (large 29 - 1/4" tall box is standard when defrost components are selected)
- Sealed liquid line filter drier and sight glass

### Serviceability

- Easy access refrigerant piping
- Captive door fasteners
- Single electrical connection location
- Removable electrical box provides convenient front access to the oil pump and compressor
- Shell and tube cleanable condenser with outlet shut-off valve, charging port and pressure relief device

### Quality

- Pre-bent tubing reduces the possibility of leaks
- Shipped with dry nitrogen charge
- Heavy duty base plate
- Non-metallic conduit on all wiring runs

### Components

- Semi-hermetic reciprocating compressors
- Compressor contactor and control circuit fusing
- Oil pressure switch (when required)
- Rigid mounted compressors (models 0075-0400)
- Spring mounted compressors with suction and discharge vibration eliminators (models 0499 and above)
- Compressor head cooling fan or water jacket (when required)
- Compressor solid state protection model (on units with 4D compressors)



**NOTE:** SWN pictured with optional replaceable core liquid filter, oil separator, replaceable core suction filter and liquid solenoid valve

## OPTIONS - SWN MODELS

### Factory-Installed Options

Dual pressure switch

Oil separator with discharge check valve and oil return hand valve

Compressor and control circuit breaker

Two tier rack

Suction accumulator

Sealed suction filter

Replaceable core suction filter (0300-2200)

Replaceable core liquid filter (0300-2200)

Liquid line solenoid valve

Spring mounted compressors with suction and discharge vibration eliminators (models 0075 to 0400)

Water regulating valve (shipped loose)

Crankcase heater

Air defrost timer

Electric defrost kit. Kit includes timer, evaporator fan contactor, defrost heater contactor(s), lockout relay and terminal block

Remote load fusing for electric defrost kit. Includes evaporator fan motor and defrost heater fuses

Beacon II™ compatible (contact factory)

## PERFORMANCE DATA - SWN MODELS

### Medium Temperature Models - R-404A/R-507

| Model     | Compressor |      | Suction Temperature °F |        |        |        |        |        |
|-----------|------------|------|------------------------|--------|--------|--------|--------|--------|
|           |            |      | 15°F                   | 20°F   | 25°F   | 30°F   | 35°F   | 40°F   |
| SWN0090M6 | KARA-010E  | BTUH | 8,140                  | 9,140  | 10,340 | -      | -      | -      |
|           |            | GPM  | 1.8                    | 2.1    | 2.4    | -      | -      | -      |
|           |            | PSIG | 1.0                    | 1.3    | 1.6    | -      | -      | -      |
| SWN0199M6 | KAKA-020E  | BTUH | 13,490                 | 15,120 | 16,750 | -      | -      | -      |
|           |            | GPM  | 3.5                    | 4.2    | 4.8    | -      | -      | -      |
|           |            | PSIG | 3.7                    | 5.0    | 6.7    | -      | -      | -      |
| SWN0200M6 | ERCA-021E  | BTUH | 17,220                 | 19,430 | 21,790 | -      | -      | -      |
|           |            | GPM  | 4.8                    | 5.6    | 6.5    | -      | -      | -      |
|           |            | PSIG | 0.8                    | 1.1    | 1.4    | -      | -      | -      |
| SWN0310M6 | ERF1-031E  | BTUH | 24,990                 | 28,090 | 31,450 | -      | -      | -      |
|           |            | GPM  | 6.2                    | 7.3    | 8.5    | -      | -      | -      |
|           |            | PSIG | 1.4                    | 1.8    | 2.5    | -      | -      | -      |
| SWN0500M6 | 2DC3R53KE  | BTUH | 38,480                 | 43,470 | 48,930 | 54,810 | 61,160 | 68,040 |
|           |            | GPM  | 9.7                    | 11.5   | 13.7   | 16.5   | 20.0   | 24.6   |
|           |            | PSIG | 2.4                    | 3.4    | 4.8    | 6.8    | 9.9    | 14.9   |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling

### Medium Temperature Models - R-407A

| Model     | Compressor |      | Suction Temperature °F |        |        |      |      |      |
|-----------|------------|------|------------------------|--------|--------|------|------|------|
|           |            |      | 15°F                   | 20°F   | 25°F   | 30°F | 35°F | 40°F |
| SWN0090M6 | KARA-010E  | BTUH | 7,610                  | 8,640  | 9,780  | -    | -    | -    |
|           |            | GPM  | 1.6                    | 1.9    | 2.2    | -    | -    | -    |
|           |            | PSI  | 0.8                    | 1.0    | 0.5    | -    | -    | -    |
| SWN0199M6 | KAKA-020E  | BTUH | 12,730                 | 14,440 | 16,370 | -    | -    | -    |
|           |            | GPM  | 5.4                    | 6.7    | 8.1    | -    | -    | -    |
|           |            | PSI  | 8.5                    | 12.9   | 18.9   | -    | -    | -    |
| SWN0500M6 | 2DC3R53KE  | BTUH | 35,920                 | 41,000 | 46,640 | -    | -    | -    |
|           |            | GPM  | 14.1                   | 17.5   | 22.3   | -    | -    | -    |
|           |            | PSI  | 5.1                    | 7.7    | 12.3   | -    | -    | -    |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling

## PERFORMANCE DATA - SWN MODELS

### Medium Temperature Models - R-407C

| Model     | Compressor |      | Suction Temperature °F |        |        |        |      |      |
|-----------|------------|------|------------------------|--------|--------|--------|------|------|
|           |            |      | 15°F                   | 20°F   | 25°F   | 30°F   | 35°F | 40°F |
| SWN0090M6 | KARA-010E  | BTUH | 7,150                  | 8,130  | 9,200  | -      | -    | -    |
|           |            | GPM  | 1.5                    | 1.7    | 2      | -      | -    | -    |
|           |            | PSI  | 0.7                    | 0.9    | 1.2    | -      | -    | -    |
| SWN0199M6 | KAKA-020E  | BTUH | 12,010                 | 13,630 | 15,450 | -      | -    | -    |
|           |            | GPM  | 4.8                    | 5.9    | 7.2    | -      | -    | -    |
|           |            | PSI  | 6.6                    | 10.1   | 15     | -      | -    | -    |
| SWN0500M6 | 2DC3R53KE  | BTUH | 33,990                 | 38,960 | 44,540 | 50,730 | -    | -    |
|           |            | GPM  | 12.7                   | 15.7   | 20.0   | 26.1   | -    | -    |
|           |            | PSI  | 4.1                    | 6.3    | 9.9    | 16.7   | -    | -    |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling

### Medium Temperature Models - R-448A/R-449A

| Model     | Compressor |      | Suction Temperature °F |        |        |        |        |      |
|-----------|------------|------|------------------------|--------|--------|--------|--------|------|
|           |            |      | 15°F                   | 20°F   | 25°F   | 30°F   | 35°F   | 40°F |
| SWN0090M6 | KARA-010E  | BTUH | 7,670                  | 8,710  | 9,820  | -      | -      | -    |
|           |            | GPM  | 1.7                    | 1.9    | 2.2    | -      | -      | -    |
|           |            | PSI  | 0.8                    | 1.1    | 1.4    | -      | -      | -    |
| SWN0199M6 | KAKA-020E  | BTUH | 12,940                 | 14,680 | 16,300 | -      | -      | -    |
|           |            | GPM  | 5.6                    | 7.0    | 8.2    | -      | -      | -    |
|           |            | PSI  | 9.2                    | 14.0   | 19.5   | -      | -      | -    |
| SWN0200M6 | ERCA-021E  | BTUH | 14,960                 | 17,130 | 19,380 | -      | -      | -    |
|           |            | GPM  | 3.9                    | 4.6    | 5.3    | -      | -      | -    |
|           |            | PSI  | 0.5                    | 0.7    | 1.0    | -      | -      | -    |
| SWN0310M6 | ERFA-031E  | BTUH | 22,120                 | 25,290 | 28,530 | -      | -      | -    |
|           |            | GPM  | 8.3                    | 10.1   | 12.0   | -      | -      | -    |
|           |            | PSI  | 2.4                    | 3.4    | 4.7    | -      | -      | -    |
| SWN0500M6 | 2DC3R53KE  | BTUH | 36,980                 | 42,080 | 47,710 | 53,880 | 60,580 | -    |
|           |            | GPM  | 14.6                   | 18.1   | 22.9   | 29.7   | 38.9   | -    |
|           |            | PSI  | 5.4                    | 8.2    | 13.0   | 21.4   | 34.7   | -    |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling

## PERFORMANCE DATA - SWN MODELS

### Low Temperature Models - R404A/R-507

| R-404A/R-507<br>Model | Compressor |      | Suction Temperature °F |        |        |        |         |         |
|-----------------------|------------|------|------------------------|--------|--------|--------|---------|---------|
|                       |            |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F   | 0°F     |
| SWN0150L6             | KALA-016E  | BTUH | 3,160                  | 4,940  | 5,880  | 6,830  | 9,030   | 11,550  |
|                       |            | GPM  | 0.8                    | 1.3    | 1.5    | 1.7    | 2.3     | 3.1     |
|                       |            | PSIG | 0.2                    | 0.5    | 0.7    | 0.9    | 1.6     | 2.9     |
| SWN0200L6             | EADA-020E  | BTUH | 3,590                  | 5,570  | 6,620  | 7,770  | 10,500  | 13,970  |
|                       |            | GPM  | 1.1                    | 1.5    | 1.7    | 2      | 2.7     | 3.8     |
|                       |            | PSIG | 0.2                    | 0.1    | 0.1    | 0.2    | 0.3     | 0.5     |
| SWN0210L6             | EAVA-021E  | BTUH | 3,980                  | 5,990  | 7,350  | 8,820  | 12,290  | 16,280  |
|                       |            | GPM  | 1.2                    | 1.6    | 1.9    | 2.3    | 3.3     | 4.7     |
|                       |            | PSIG | 0.2                    | 0.1    | 0.2    | 0.2    | 0.4     | 0.8     |
| SWN0310L6             | LAHA-032E  | BTUH | 5,940                  | 9,560  | 11,760 | 14,180 | 19,850  | 26,360  |
|                       |            | GPM  | 1.5                    | 2.3    | 2.8    | 3.4    | 5.0     | 7.3     |
|                       |            | PSIG | 0.1                    | 0.2    | 0.3    | 0.4    | 0.9     | 1.9     |
| SWN0310E6             | LACA-032E  | BTUH | 8,540                  | 12,810 | 15,330 | 18,060 | -       | -       |
|                       |            | GPM  | 2.1                    | 3.2    | 3.9    | 4.7    | -       | -       |
|                       |            | PSIG | 0.2                    | 0.4    | 0.6    | 0.8    | -       | -       |
| SWN0311L6             | 2DF3F16KE  | BTUH | 10,050                 | 14,600 | 17,120 | 19,950 | 26,570  | 34,440  |
|                       |            | GPM  | 2.4                    | 3.5    | 4.1    | 4.8    | 6.6     | 9.1     |
|                       |            | PSIG | 0.2                    | 0.5    | 0.6    | 0.9    | 1.6     | 2.8     |
| SWN0400L6             | 2DL3F20KE  | BTUH | 12,480                 | 17,850 | 20,900 | 24,260 | 31,920  | 41,160  |
|                       |            | GPM  | 3.0                    | 4.4    | 5.2    | 6.1    | 8.5     | 12.0    |
|                       |            | PSIG | 0.3                    | 0.7    | 1.0    | 1.3    | 2.5     | 4.7     |
| SWN0599L6             | 2DA3F23KE  | BTUH | 14,790                 | 20,900 | 24,260 | 27,930 | 36,440  | 46,520  |
|                       |            | GPM  | 3.4                    | 4.9    | 5.7    | 6.7    | 9.0     | 12.2    |
|                       |            | PSIG | 0.3                    | 0.7    | 0.9    | 1.2    | 2.1     | 3.8     |
| SWN0600L6             | 2DB3F25KE  | BTUH | 15,460                 | 22,050 | 25,830 | 29,930 | 39,170  | 50,190  |
|                       |            | GPM  | 3.6                    | 5.2    | 6.2    | 7.3    | 9.9     | 13.7    |
|                       |            | PSIG | 0.4                    | 0.7    | 1.0    | 1.4    | 2.6     | 4.8     |
| SWN0601L6             | 3DA3F28KE  | BTUH | 18,260                 | 25,200 | 29,190 | 33,600 | 43,680  | 55,760  |
|                       |            | GPM  | 4.5                    | 6.3    | 7.4    | 8.6    | 11.8    | 16.5    |
|                       |            | PSIG | 0.5                    | 1.0    | 1.4    | 2.0    | 3.6     | 6.8     |
| SWN0750L6             | 3DB3F33KE  | BTUH | 21,670                 | 30,030 | 34,760 | 39,800 | 51,560  | 65,840  |
|                       |            | GPM  | 4.3                    | 5.9    | 6.8    | 7.7    | 10.1    | 13.1    |
|                       |            | PSIG | 0.4                    | 0.7    | 0.9    | 1.1    | 1.9     | 3.1     |
| SWN0900L6             | 3DF3F40KE  | BTUH | 26,440                 | 36,440 | 42,210 | 48,620 | 63,210  | 80,750  |
|                       |            | GPM  | 6.1                    | 8.4    | 9.8    | 11.3   | 15.1    | 20.1    |
|                       |            | PSIG | 0.1                    | 0.2    | 0.2    | 0.3    | 0.6     | 1.0     |
| SWN1000L6             | 3DS3F46KE  | BTUH | 30,140                 | 41,480 | 47,990 | 55,020 | 70,880  | 89,460  |
|                       |            | GPM  | 7.1                    | 9.8    | 11.5   | 13.3   | 17.7    | 23.5    |
|                       |            | PSIG | 0.1                    | 0.3    | 0.3    | 0.4    | 0.8     | 1.3     |
| SWN1500L6             | 4DHN63KE   | BTUH | 41,760                 | 57,960 | 66,360 | 75,390 | 95,660  | 120,650 |
|                       |            | GPM  | 9.5                    | 13.2   | 15.2   | 17.3   | 22.5    | 29.5    |
|                       |            | PSIG | 0.1                    | 0.2    | 0.3    | 0.4    | 0.6     | 1.1     |
| SWN2200L6             | 4DJNF76KE  | BTUH | 48,600                 | 68,670 | 79,380 | 90,720 | 115,710 | 144,900 |
|                       |            | GPM  | 11.3                   | 16.2   | 18.9   | 22.0   | 29.3    | 39.1    |
|                       |            | PSIG | 0.2                    | 0.3    | 0.5    | 0.6    | 1.0     | 1.8     |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling

## PERFORMANCE DATA - SWN MODELS

### Low Temperature Models- R-407A

| Model     | Compressor |      | Suction Temperature °F |        |        |        |         |         |
|-----------|------------|------|------------------------|--------|--------|--------|---------|---------|
|           |            |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F   | 0°F     |
| SWN0311L6 | 2DF3F16KE  | BTUH | 6,900                  | 11,120 | 13,430 | 15,980 | 22,180  | 30,400  |
|           |            | GPM  | 2.4                    | 3.9    | 4.8    | 6.0    | 9.3     | 15.6    |
|           |            | PSI  | 0.2                    | 0.6    | 0.9    | 1.3    | 2.9     | 7.7     |
| SWN0400L6 | 2DL3F20KE  | BTUH | 8,330                  | 13,210 | 16,120 | 19,350 | 26,800  | —       |
|           |            | GPM  | 3.1                    | 5.0    | 6.3    | 8.0    | 13.2    | —       |
|           |            | PSI  | 0.4                    | 0.9    | 1.4    | 2.2    | 5.7     | —       |
| SWN0599L6 | 2DA3F23KE  | BTUH | 9,790                  | 15,490 | 18,840 | 22,560 | 31,150  | 41,450  |
|           |            | GPM  | 3.5                    | 5.6    | 6.9    | 8.6    | 13.4    | 21.5    |
|           |            | PSI  | 0.3                    | 0.8    | 1.3    | 2.0    | 4.6     | 11.5    |
| SWN0600L6 | 2DB3F25KE  | BTUH | 11,100                 | 17,090 | 20,480 | 24,210 | 32,940  | 43,780  |
|           |            | GPM  | 3.9                    | 6.1    | 7.6    | 9.4    | 14.8    | 24.4    |
|           |            | PSI  | 0.4                    | 1.0    | 1.5    | 2.3    | 5.6     | 14.6    |
| SWN0601L6 | 3DA3F28KE  | BTUH | 11,990                 | 19,370 | 23,400 | 27,780 | 37,990  | —       |
|           |            | GPM  | 4.4                    | 7.5    | 9.5    | 12.0   | 20.0    | —       |
|           |            | PSI  | 0.5                    | 1.5    | 2.3    | 3.7    | 10.0    | —       |
| SWN0750L6 | 3DB3F33KE  | BTUH | 15,400                 | 24,540 | 29,340 | 34,470 | 46,230  | 60,860  |
|           |            | GPM  | 4.5                    | 6.9    | 8.3    | 10.0   | 14.3    | 21.2    |
|           |            | PSI  | 0.4                    | 0.9    | 1.3    | 1.8    | 3.7     | 7.8     |
| SWN0900L6 | 3DF3F40KE  | BTUH | —                      | 28,730 | 34,770 | 41,340 | 56,250  | 73,890  |
|           |            | GPM  | —                      | 9.8    | 12.1   | 14.8   | 22.2    | 33.6    |
|           |            | PSI  | —                      | 0.3    | 0.4    | 0.5    | 1.2     | 2.6     |
| SWN1000L6 | 3DS3F46KE  | BTUH | 19,560                 | 31,450 | 37,890 | 44,830 | 60,680  | 79,970  |
|           |            | GPM  | 7.1                    | 11.2   | 13.8   | 16.8   | 25.4    | 39.9    |
|           |            | PSI  | 0.1                    | 0.3    | 0.5    | 0.7    | 1.5     | 3.6     |
| SWN1500L6 | 4DHN63KE   | BTUH | 30,480                 | 45,330 | 53,890 | 63,250 | 84,460  | 109,180 |
|           |            | GPM  | 10.6                   | 15.6   | 18.9   | 22.9   | 33.7    | 50.0    |
|           |            | PSI  | 0.2                    | 0.3    | 0.5    | 0.7    | 1.4     | 2.9     |
| SWN2200L6 | 4DJNF76KE  | BTUH | 41,900                 | 56,260 | 66,140 | 77,750 | 105,910 | —       |
|           |            | GPM  | 14.6                   | 20.9   | 25.5   | 31.7   | 50.7    | —       |
|           |            | PSI  | 0.3                    | 0.6    | 0.8    | 1.2    | 3.0     | —       |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling  
Demand Cooling is REQUIRED

## PERFORMANCE DATA - SWN MODELS

### Low Temperature Models- R-407C

| Model     | Compressor |      | Suction Temperature °F |        |        |        |        |         |
|-----------|------------|------|------------------------|--------|--------|--------|--------|---------|
|           |            |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F  | 0°F     |
| SWN0311L6 | 2DF3F16KE  | BTUH | 6,340                  | 10,370 | 12,530 | 14,900 | 20,530 | 27,880  |
|           |            | GPM  | 2.2                    | 3.6    | 4.5    | 5.5    | 8.3    | 12.9    |
|           |            | PSI  | 0.2                    | 0.5    | 0.8    | 1.1    | 2.4    | 5.4     |
| SWN0400L6 | 2DL3F20KE  | BTUH | 7,640                  | 12,310 | 15,040 | 18,040 | 24,830 | 32,650  |
|           |            | GPM  | 2.8                    | 4.6    | 5.8    | 7.3    | 11.5   | 18.3    |
|           |            | PSI  | 0.3                    | 0.8    | 1.2    | 1.9    | 4.4    | 10.3    |
| SWN0599L6 | 2DA3F23KE  | BTUH | 8,970                  | 14,430 | 17,580 | 21,030 | 28,860 | 38,010  |
|           |            | GPM  | 3.3                    | 5.1    | 6.4    | 7.9    | 11.9   | 17.8    |
|           |            | PSI  | 0.3                    | 0.7    | 1.1    | 1.6    | 3.6    | 7.9     |
| SWN0600L6 | 2DB3F25KE  | BTUH | 10,160                 | 15,890 | 19,090 | 22,570 | 30,530 | 40,130  |
|           |            | GPM  | 3.6                    | 5.6    | 7.0    | 8.6    | 13.1   | 19.9    |
|           |            | PSI  | 0.3                    | 0.9    | 1.3    | 2.0    | 4.4    | 9.9     |
| SWN0601L6 | 3DA3F28KE  | BTUH | 10,600                 | 17,240 | 21,110 | 25,400 | 35,330 | —       |
|           |            | GPM  | 3.8                    | 6.4    | 8.2    | 10.5   | 17.3   | —       |
|           |            | PSI  | 0.4                    | 1.1    | 1.8    | 2.9    | 7.6    | —       |
| SWN0750L6 | 3DB3F33KE  | BTUH | 13,690                 | 21,810 | 26,420 | 31,460 | 42,960 | 56,640  |
|           |            | GPM  | 3.9                    | 6.1    | 7.4    | 8.9    | 12.9   | 18.7    |
|           |            | PSI  | 0.3                    | 0.7    | 1.0    | 1.5    | 3.0    | 6.2     |
| SWN0900L6 | 3DF3F40KE  | BTUH | —                      | 25,550 | 31,370 | 37,800 | 52,330 | 68,750  |
|           |            | GPM  | —                      | 8.6    | 10.7   | 13.2   | 19.9   | 29.4    |
|           |            | PSI  | —                      | 0.2    | 0.3    | 0.4    | 1.0    | 2.0     |
| SWN1000L6 | 3DS3F46KE  | BTUH | —                      | 27,980 | 34,190 | 41,000 | 56,450 | 74,420  |
|           |            | GPM  | —                      | 9.8    | 12.2   | 15.0   | 22.8   | 34.6    |
|           |            | PSI  | —                      | 0.3    | 0.4    | 0.5    | 1.2    | 2.8     |
| SWN1500L6 | 4DHNF63KE  | BTUH | 26,290                 | 40,030 | 47,990 | 56,800 | 77,340 | 102,370 |
|           |            | GPM  | 9.0                    | 13.5   | 16.3   | 19.9   | 29.4   | 44.5    |
|           |            | PSI  | 0.1                    | 0.2    | 0.3    | 0.5    | 1.1    | 2.3     |
| SWN2200L6 | 4DJNF76KE  | BTUH | 32,460                 | 48,710 | 57,400 | 66,930 | 89,830 | 120,150 |
|           |            | GPM  | 11.5                   | 17.4   | 21.1   | 25.4   | 38.1   | 62.2    |
|           |            | PSI  | 0.2                    | 0.4    | 0.6    | 0.8    | 1.7    | 4.4     |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling  
Demand Cooling is REQUIRED

## PERFORMANCE DATA - SWN MODELS

### Low Temperature Models- R-407F

| Model     | Compressor |      | Suction Temperature °F |        |        |        |         |         |
|-----------|------------|------|------------------------|--------|--------|--------|---------|---------|
|           |            |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F   | 0°F     |
| SWN0311L6 | 2DF3F16KE  | BTUH | 6,900                  | 11,120 | 13,430 | 15,980 | 22,180  | 30,400  |
|           |            | GPM  | 2.4                    | 3.9    | 4.8    | 6.0    | 9.3     | 15.6    |
|           |            | PSI  | 0.2                    | 0.6    | 0.9    | 1.3    | 2.9     | 7.7     |
| SWN0400L6 | 2DL3F20KE  | BTUH | 8,330                  | 13,210 | 16,120 | 19,350 | 26,800  | —       |
|           |            | GPM  | 3.1                    | 5.0    | 6.3    | 8.0    | 13.2    | —       |
|           |            | PSI  | 0.4                    | 0.9    | 1.4    | 2.2    | 5.7     | —       |
| SWN0599L6 | 2DA3F23KE  | BTUH | 9,790                  | 15,490 | 18,840 | 22,560 | 31,150  | 41,450  |
|           |            | GPM  | 3.5                    | 5.6    | 6.9    | 8.6    | 13.4    | 21.5    |
|           |            | PSI  | 0.3                    | 0.8    | 1.3    | 2.0    | 4.6     | 11.5    |
| SWN0600L6 | 2DB3F25KE  | BTUH | 11,100                 | 17,090 | 20,480 | 24,210 | 32,940  | 43,780  |
|           |            | GPM  | 3.9                    | 6.1    | 7.6    | 9.4    | 14.8    | 24.4    |
|           |            | PSI  | 0.4                    | 1.0    | 1.5    | 2.3    | 5.6     | 14.6    |
| SWN0601L6 | 3DA3F28KE  | BTUH | 11,990                 | 19,370 | 23,400 | 27,780 | 37,990  | —       |
|           |            | GPM  | 4.4                    | 7.5    | 9.5    | 12.0   | 20.0    | —       |
|           |            | PSI  | 0.5                    | 1.5    | 2.3    | 3.7    | 10.0    | —       |
| SWN0750L6 | 3DB3F33KE  | BTUH | 15,400                 | 24,540 | 29,340 | 34,470 | 46,230  | 60,860  |
|           |            | GPM  | 4.5                    | 6.9    | 8.3    | 10.0   | 14.3    | 21.2    |
|           |            | PSI  | 0.4                    | 0.9    | 1.3    | 1.8    | 3.7     | 7.8     |
| SWN0900L6 | 3DF3F40KE  | BTUH | —                      | 28,730 | 34,770 | 41,340 | 56,250  | 73,890  |
|           |            | GPM  | —                      | 9.8    | 12.1   | 14.8   | 22.2    | 33.6    |
|           |            | PSI  | —                      | 0.3    | 0.4    | 0.5    | 1.2     | 2.6     |
| SWN1000L6 | 3DS3F46KE  | BTUH | 19,560                 | 31,450 | 37,890 | 44,830 | 60,680  | 79,970  |
|           |            | GPM  | 7.1                    | 11.2   | 13.8   | 16.8   | 25.4    | 39.9    |
|           |            | PSI  | 0.1                    | 0.3    | 0.5    | 0.7    | 1.5     | 3.6     |
| SWN1500L6 | 4DHNF63KE  | BTUH | 30,480                 | 45,330 | 53,890 | 63,250 | 84,460  | 109,180 |
|           |            | GPM  | 10.6                   | 15.6   | 18.9   | 22.9   | 33.7    | 50.0    |
|           |            | PSI  | 0.2                    | 0.3    | 0.5    | 0.7    | 1.4     | 2.9     |
| SWN2200L6 | 4DJNF76KE  | BTUH | 41,900                 | 56,260 | 66,140 | 77,750 | 105,910 | —       |
|           |            | GPM  | 14.6                   | 20.9   | 25.5   | 31.7   | 50.7    | —       |
|           |            | PSI  | 0.3                    | 0.6    | 0.8    | 1.2    | 3.0     | —       |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling  
Demand Cooling is REQUIRED

## PERFORMANCE DATA - SWN MODELS

### Low Temperature Models- R-448A/R-449A

| Model     | Compressor |      | Suction Temperature °F |        |        |        |         |         |
|-----------|------------|------|------------------------|--------|--------|--------|---------|---------|
|           |            |      | -40°F                  | -30°F  | -25°F  | -20°F  | -10°F   | 0°F     |
| SWN0150L6 | KALA-016E  | BTUH | 1,580                  | 2,660  | 3,390  | 4,260  | 6,420   | 9,210   |
|           |            | GPM  | 0.7                    | 1.1    | 1.3    | 1.6    | 2.4     | 3.7     |
|           |            | PSI  | 0.1                    | 0.3    | 0.5    | 0.7    | 1.7     | 3.9     |
| SWN0200L6 | EADA-020E  | BTUH | 2,420                  | 4,070  | 5,100  | 6,260  | 8,960   | 12,140  |
|           |            | GPM  | 1.1                    | 1.5    | 1.8    | 2.3    | 3.3     | 4.8     |
|           |            | PSI  | 0.1                    | 0.1    | 0.1    | 0.2    | 0.4     | 0.8     |
| SWN0210L6 | EAVA-021E  | BTUH | 3,980                  | 6,010  | 7,320  | 8,800  | 12,260  | 16,300  |
|           |            | GPM  | 1.5                    | 2.3    | 2.8    | 3.4    | 5.1     | 7.7     |
|           |            | PSI  | 0.1                    | 0.2    | 0.3    | 0.4    | 0.9     | 1.9     |
| SWN0310L6 | LAHA-032E  | BTUH | 3,690                  | 7,340  | 9,480  | 11,850 | 17,360  | 24,020  |
|           |            | GPM  | 1.3                    | 2.4    | 3.2    | 4.0    | 6.5     | 10.7    |
|           |            | PSI  | 0.1                    | 0.2    | 0.4    | 0.6    | 1.5     | 3.8     |
| SWN0311L6 | 2DF3F16KE  | BTUH | 7,610                  | 11,700 | 14,020 | 16,620 | 23,010  | 31,490  |
|           |            | GPM  | 2.6                    | 4.1    | 5.1    | 6.2    | 9.7     | 16.3    |
|           |            | PSI  | 0.3                    | 0.6    | 1.0    | 1.4    | 3.2     | 8.4     |
| SWN0400L6 | 2DL3F20KE  | BTUH | 9,230                  | 13,910 | 16,830 | 20,130 | 27,810  | 36,920  |
|           |            | GPM  | 3.4                    | 5.3    | 6.7    | 8.4    | 13.8    | 24.3    |
|           |            | PSI  | 0.4                    | 1.0    | 1.6    | 2.4    | 6.1     | 17.0    |
| SWN0599L6 | 2DA3F23KE  | BTUH | 10,230                 | 16,240 | 19,700 | 23,500 | 32,290  | 42,870  |
|           |            | GPM  | 3.8                    | 5.9    | 7.3    | 9.0    | 13.9    | 22.6    |
|           |            | PSI  | 0.4                    | 0.9    | 1.4    | 2.1    | 5.0     | 12.7    |
| SWN0600L6 | 2DB3F25KE  | BTUH | 11,130                 | 17,860 | 21,430 | 25,260 | 34,100  | 45,190  |
|           |            | GPM  | 3.7                    | 6.5    | 8.1    | 10.0   | 15.5    | 26.0    |
|           |            | PSI  | 0.4                    | 1.1    | 1.7    | 2.6    | 6.1     | 16.6    |
| SWN0601L6 | 3DA3F28KE  | BTUH | 14,140                 | 20,480 | 24,380 | 28,820 | 39,470  | 52,750  |
|           |            | GPM  | 5.7                    | 8.2    | 10.1   | 12.7   | 21.5    | 40.9    |
|           |            | PSI  | 0.9                    | 1.8    | 2.6    | 4.1    | 11.5    | 37.7    |
| SWN0750L6 | 3DB3F33KE  | BTUH | 16,990                 | 25,830 | 30,640 | 35,850 | 47,940  | 63,010  |
|           |            | GPM  | 5.0                    | 7.4    | 8.9    | 10.6   | 15.1    | 22.4    |
|           |            | PSI  | 0.5                    | 1.0    | 1.5    | 2.1    | 4.1     | 8.7     |
| SWN0900L6 | 3DF3F40KE  | BTUH | 19,630                 | 30,270 | 36,280 | 42,900 | 58,520  | 78,100  |
|           |            | GPM  | 6.8                    | 10.5   | 12.8   | 15.5   | 23.3    | 36.3    |
|           |            | PSI  | 0.1                    | 0.3    | 0.4    | 0.6    | 1.3     | 3.0     |
| SWN1000L6 | 3DS3F46KE  | BTUH | 21,530                 | 33,210 | 39,800 | 47,070 | 64,190  | 85,680  |
|           |            | GPM  | 7.7                    | 12.0   | 14.7   | 18.0   | 27.5    | 44.4    |
|           |            | PSI  | 0.2                    | 0.4    | 0.5    | 0.8    | 1.8     | 4.5     |
| SWN1500L6 | 4DHN63KE   | BTUH | 25,100                 | 39,450 | 47,020 | 55,020 | 72,790  | 93,730  |
|           |            | GPM  | 7.9                    | 12.9   | 15.6   | 18.6   | 26.1    | 36.8    |
|           |            | PSI  | 0.1                    | 0.2    | 0.3    | 0.4    | 0.8     | 1.6     |
| SWN2200L6 | 4DJNF76KE  | BTUH | 36,620                 | 58,210 | 69,500 | 81,550 | 109,220 | 143,820 |
|           |            | GPM  | 13.1                   | 22.1   | 27.6   | 34.2   | 53.7    | 92.0    |
|           |            | PSI  | 0.2                    | 0.6    | 0.9    | 1.4    | 3.3     | 9.1     |

85°F Entering Water, 105°F Condensing Temperature, 5°F Subcooling  
Demand Cooling is REQUIRED

## UNIT SPECIFICATIONS - SWN MODELS

| Model              | Compressor Model | Connections (in.) |             |             |              | 90% Cond. Holding Capacity (Lbs.) | Dimensions (in.) |         |        | Approx. Net Wt. (Lbs.) |
|--------------------|------------------|-------------------|-------------|-------------|--------------|-----------------------------------|------------------|---------|--------|------------------------|
|                    |                  | Suction           | Liquid Line | Water Inlet | Water Outlet |                                   | H                | W       | D      |                        |
| Medium Temperature |                  |                   |             |             |              |                                   |                  |         |        |                        |
| SWN0090M6          | KARA-010E        | 7/8               | 3/8         | 1/2         | 1/2          | 18                                | 37-3/8           | 23-3/4  | 35     | 180                    |
| SWN0199M6          | KAKA-020E        | 7/8               | 3/8         | 1/2         | 1/2          | 18                                | 37-3/8           | 23-3/4  | 35     | 210                    |
| SWN0200M6          | ERCA-021E        | 7/8               | 3/8         | 1/2         | 1/2          | 15                                | 37-3/8           | 23-3/4  | 38-3/8 | 260                    |
| SWN0310M6          | ERFA-031E        | 1-1/8             | 1/2         | 3/4         | 3/4          | 17                                | 36-3/8           | 26-3/4  | 38-3/8 | 325                    |
| SWN0500M6          | 2DC3R53KE        | 1-3/8             | 5/8         | 1-1/4       | 1-1/4        | 34                                | 39-1/4           | 30-3/8  | 42-1/2 | 400                    |
| Low Temperature    |                  |                   |             |             |              |                                   |                  |         |        |                        |
| SWN0150L6          | KALA-016E        | 7/8               | 3/8         | 1/2         | 1/2          | 18                                | 37-3/8           | 23-3/4  | 35     | 195                    |
| SWN0200L6          | EADA-020E        | 7/8               | 3/8         | 1/2         | 1/2          | 15                                | 37-3/8           | 23-3/4  | 35     | 325                    |
| SWN0210L6          | EAVA-021E        | 7/8               | 3/8         | 1/2         | 1/2          | 15                                | 37-3/8           | 23-3/4  | 35     | 325                    |
| SWN0310L6          | LAHA-032E        | 1-1/8             | 1/2         | 3/4         | 3/4          | 17                                | 36-3/8           | 26-3/4  | 38-3/8 | 325                    |
| SWN0310E6          | LACA-032E        | 1-1/8             | 1/2         | 3/4         | 3/4          | 17                                | 36-3/8           | 26-3/4  | 38-3/8 | 325                    |
| SWN0311L6          | 2DF3F16KE        | 1-3/8             | 1/2         | 3/4         | 3/4          | 17                                | 36-3/8           | 26-3/4  | 38-3/8 | 340                    |
| SWN0400L6          | 2DL3F20KE        | 1-3/8             | 1/2         | 3/4         | 3/4          | 17                                | 36-3/8           | 26-3/4  | 38-3/8 | 385                    |
| SWN0599L6          | 2DA3F23KE        | 1-3/8             | 5/8         | 1-1/4       | 1-1/4        | 34                                | 39-1/4           | 30-3/8  | 42-1/2 | 415                    |
| SWN0600L6          | 2DB3F25KE        | 1-3/8             | 5/8         | 1-1/4       | 1-1/4        | 34                                | 39-1/4           | 30-3/8  | 42-1/2 | 415                    |
| SWN0601L6          | 3DA3F28KE        | 1-3/8             | 5/8         | 1-1/4       | 1-1/4        | 34                                | 39-1/4           | 30-3/8  | 42-1/2 | 430                    |
| SWN0750L6          | 3DB3F33KE        | 1-5/8             | 5/8         | 1-1/4       | 1-1/4        | 52                                | 41-1/2           | 35-3/8  | 55-1/2 | 465                    |
| SWN0900L6          | 3DF3F40KE        | 1-5/8             | 5/8         | 1-1/4       | 1-1/4        | 57                                | 41-1/2           | 35-3/8  | 55-1/2 | 560                    |
| SWN1000L6          | 3DS3F46KE        | 1-5/8             | 7/8         | 1-1/4       | 1-1/4        | 57                                | 41-1/2           | 35- 3/8 | 55-1/2 | 715                    |
| SWN1500L6          | 4DHNF63KE        | 2-1/8             | 7/8         | 1-1/2       | 1-1/2        | 109                               | 41-1/2           | 35-3/8  | 55-1/2 | 780                    |
| SWN2200L6          | 4DJNF76KE        | 2-1/8             | 7/8         | 1-1/2       | 1-1/2        | 109                               | 41-1/2           | 35- 3/8 | 55-1/2 | 865                    |

NOTES: Condenser refrigerant holding capacity refers to the weight of the type of refrigerant indicated by the model number (i.e. M6, L6, E6 = R-404A/R-507)

Dimensions are maximum dimensions with options. Please refer to submittal drawings for specific model dimensions

## ELECTRICAL DATA - SWN MODELS

### Medium Temperature Models

| Model Number | Compressor Model | Low Amps     |    |    |            |       |                           |      |                  |      |            |           | High Amps        |      |            |           |
|--------------|------------------|--------------|----|----|------------|-------|---------------------------|------|------------------|------|------------|-----------|------------------|------|------------|-----------|
|              |                  | Power Supply |    |    | Compressor |       | Beacon II™ or Air Defrost |      | Electric Defrost |      | Def. Htr.* | Evap. Fan | Electric Defrost |      | Def. Htr.* | Evap. Fan |
|              |                  | Volts        | Ph | Hz | RLA        | LRA   | MCA                       | MOPD | MCA              | MOPD | Amps       | Amps      | MCA              | MOPD | Amps       | Amps      |
| SWN0090M6B   | KARB-010E        | 208-230      | 1  | 60 | 6.4        | 40.0  | 15.0                      | 15   | 15.0             | 15   | 10 (1)     | 3         | -                | -    | -          | -         |
| SWN0090M6C   | KARA-010E        | 208-230      | 3  | 60 | 3.8        | 27.0  | 15.0                      | 15   | 15.0             | 15   | 10 (1)     | 3         | -                | -    | -          | -         |
| SWN0199M6B   | KAKB-021E        | 208-230      | 1  | 60 | 9.1        | 55.0  | 15.0                      | 20   | 25.0             | 25   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0199M6C   | KAKA-020E        | 208-230      | 3  | 60 | 5.8        | 50.0  | 15.0                      | 15   | 25.0             | 25   | 20 (1)     | 6         | -                | -    | -          | -         |
| SWN0200M6C   | ERCA-021E        | 208-230      | 3  | 60 | 7.9        | 46.0  | 15.0                      | 15   | 25.0             | 25   | 20 (1)     | 6         | -                | -    | -          | -         |
| SWN0310M6G   | ERFB-031E        | 230          | 1  | 60 | 15.3       | 86.0  | 20.0                      | 30   | 25.1             | 40   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0310M6C   | ERFA-031E        | 208-230      | 3  | 60 | 11.2       | 82.0  | 15.0                      | 25   | 25.0             | 30   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0310M6D   | ERFA-031E        | 460          | 3  | 60 | 5.2        | 41.0  | 15.0                      | 15   | 15.0             | 15   | 10 (1)     | 3         | 25.0             | 25   | 20 (1)     | 6         |
| SWN0310M6E   | ERFA-031E        | 575          | 3  | 60 | 4.5        | 30.0  | 15.0                      | 15   | 15.0             | 15   | 8 (1)      | 3         | 20.0             | 20   | 16 (1)     | 5         |
| SWN0500M6C   | 2DC3R53KE        | 208-230      | 3  | 60 | 20.0       | 120.0 | 25.0                      | 45   | 31.0             | 50   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0500M6D   | 2DC3R53KE        | 460          | 3  | 60 | 9.4        | 60.0  | 15.0                      | 20   | 15.0             | 20   | 10 (1)     | 3         | 25.0             | 25   | 20 (1)     | 6         |
| SWN0500M6E   | 2DC3R53KE        | 575          | 3  | 60 | 6.9        | 49.0  | 15.0                      | 15   | 15.0             | 15   | 8 (1)      | 3         | 20.0             | 20   | 16 (1)     | 5         |

\*Number of defrost heater contactors in parentheses

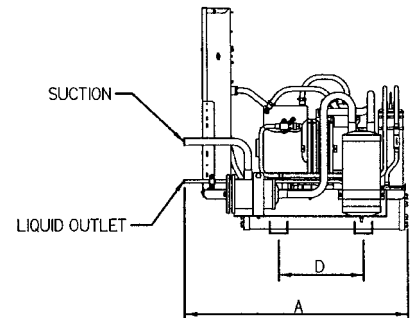
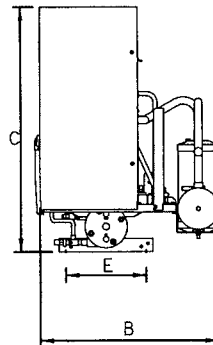
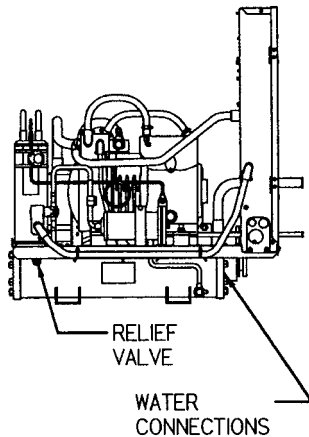
RLA - Rated Load Amps

MCA - Minimum Circuit Ampacity

LRA - Locked Rotor Amps

MOPD - Maximum Overcurrent Protection Device

## DIMENSIONAL DATA - SWN MODELS



### Maximum Dimensions with Options

| Horsepower    | A      | B (std*) | B (max**) | C (std*) | C (max**) | D      | E  |
|---------------|--------|----------|-----------|----------|-----------|--------|----|
| 3/4 thru 2    | 33     | 19.375   | 23.75     | 29       | 37.375    | 10.625 | 12 |
| 3 thru 4      | 38.375 | 21.375   | 26.75     | 29       | 36.375    | 13.5   | 12 |
| 5 thru 6      | 42.5   | 23.375   | 30.375    | 36.375   | 39.25     | 14     | 12 |
| 7-1/2 thru 22 | 55.5   | 27.5     | 35.375    | 39.25    | 41.5      | 36     | 12 |

\*Standard dimensions are for base model.

\*\*Maximum dimensions are possible depending on selected options.

Exact dimensions can vary based on the chosen options.

# ELECTRICAL DATA - SWN MODELS

## Low Temperature Models

| Low Temperature Models |                  |              |    |    |            |       |                           |      | Low Amps         |      |            |           | High Amps        |      |            |           |
|------------------------|------------------|--------------|----|----|------------|-------|---------------------------|------|------------------|------|------------|-----------|------------------|------|------------|-----------|
| Model Number           | Compressor Model | Power Supply |    |    | Compressor |       | Beacon II™ or Air Defrost |      | Electric Defrost |      | Def. Htr.* | Evap. Fan | Electric Defrost |      | Def. Htr.* | Evap. Fan |
|                        |                  | Volts        | Ph | Hz | RLA        | LRA   | MCA                       | MOPD | MCA              | MOPD | Amps       | Amps      | MCA              | MOPD | Amps       | Amps      |
| SWN0150L6B             | KALB-015E        | 208-230      | 1  | 60 | 8.9        | 55.0  | 15.0                      | 20   | 25.0             | 25   | 20 (1)     | 6         | -                | -    | -          | -         |
| SWN0150L6C             | KALA-016E        | 208-230      | 3  | 60 | 5.0        | 50.0  | 15.0                      | 15   | 25.0             | 25   | 20 (1)     | 6         | -                | -    | -          | -         |
| SWN0150L6D             | KALA-016E        | 460          | 3  | 60 | 3.1        | 25.0  | 15.0                      | 15   | 15.0             | 15   | 10 (1)     | 3         | -                | -    | -          | -         |
| SWN0200L6G             | EADB-021E        | 230          | 1  | 60 | 9.0        | 58.0  | 15.0                      | 20   | 25.0             | 25   | 20 (1)     | 6         | -                | -    | -          | -         |
| SWN0200L6C             | EADA-020E        | 208-230      | 3  | 60 | 6.1        | 46.0  | 15.0                      | 15   | 25.0             | 25   | 20 (1)     | 6         | -                | -    | -          | -         |
| SWN0210L6B             | EAVB-021E        | 208-230      | 1  | 60 | 13.2       | 102.0 | 20.0                      | 25   | 25.0             | 35   | 20 (1)     | 6         | -                | -    | -          | -         |
| SWN0210L6C             | EAVA-021E        | 208-230      | 3  | 60 | 6.6        | 50.0  | 15.0                      | 15   | 25.0             | 25   | 20 (1)     | 6         | -                | -    | -          | -         |
| SWN0210L6D             | EAVA-021E        | 460          | 3  | 60 | 2.9        | 26.6  | 15.0                      | 15   | 15.0             | 15   | 10 (1)     | 3         | -                | -    | -          | -         |
| SWN0210L6E             | EAVA-021E        | 575          | 3  | 60 | 2.8        | 20.0  | 15.0                      | 15   | 15.0             | 15   | 8 (1)      | 3         | -                | -    | -          | -         |
| SWN0310L6G             | LAHB-032E        | 230          | 1  | 60 | 15.0       | 105.0 | 20.0                      | 30   | 25.0             | 35   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0310L6C             | LAHA-032E        | 208-230      | 3  | 60 | 11.5       | 112.0 | 15.0                      | 25   | 25.0             | 30   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0310L6D             | LAHA-032E        | 460          | 3  | 60 | 5.4        | 56.0  | 15.0                      | 15   | 15.0             | 15   | 10 (1)     | 3         | 25.0             | 25   | 20 (1)     | 6         |
| SWN0310L6E             | LAHA-032E        | 575          | 3  | 60 | 3.7        | 30.0  | 15.0                      | 15   | 15.0             | 15   | 8 (1)      | 3         | 20.0             | 20   | 16 (1)     | 5         |
| SWN0310E6G             | LACB-032E        | 230          | 1  | 60 | 13.9       | 105.0 | 20.0                      | 30   | 25.0             | 35   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0310E6C             | LACA-032E        | 208-230      | 3  | 60 | 11.5       | 112.0 | 15.0                      | 25   | 25.0             | 30   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0310E6D             | LACA-032E        | 460          | 3  | 60 | 5.4        | 56.0  | 15.0                      | 15   | 15.0             | 15   | 10 (1)     | 3         | 25.0             | 25   | 20 (1)     | 6         |
| SWN0311L6G             | 2DF3F16KE        | 230          | 1  | 60 | 22.9       | 125.0 | 28.7                      | 50   | 34.7             | 50   | 20 (1)     | 6         | 50.0             | 60   | 40 (1)     | 12        |
| SWN0311L6C             | 2DF3F16KE        | 208-230      | 3  | 60 | 14.4       | 102.0 | 20.0                      | 30   | 25.0             | 35   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0311L6D             | 2DF3F16KE        | 460          | 3  | 60 | 7.1        | 52.0  | 15.0                      | 15   | 15.0             | 15   | 10 (1)     | 3         | 25.0             | 25   | 20 (1)     | 6         |
| SWN0311L6E             | 2DF3F16KE        | 575          | 3  | 60 | 6.0        | 41.0  | 15.0                      | 15   | 15.0             | 15   | 8 (1)      | 3         | 20.0             | 20   | 16 (1)     | 5         |
| SWN0400L6C             | 2DL3F20KE        | 208-230      | 3  | 60 | 23.6       | 161.0 | 29.5                      | 50   | 35.5             | 50   | 20 (1)     | 6         | 50.0             | 60   | 40 (1)     | 12        |
| SWN0400L6D             | 2DL3F20KE        | 460          | 3  | 60 | 9.2        | 60.0  | 15.0                      | 20   | 15.0             | 20   | 10 (1)     | 3         | 25.0             | 25   | 20 (1)     | 6         |
| SWN0400L6E             | 2DL3F20KE        | 575          | 3  | 60 | 6.9        | 49.0  | 15.0                      | 15   | 15.0             | 15   | 8 (1)      | 3         | 20.0             | 20   | 16 (1)     | 5         |
| SWN0599L6C             | 2DA3F23KE        | 208-230      | 3  | 60 | 25.8       | 161.0 | 32.3                      | 50   | 38.3             | 60   | 20 (1)     | 6         | 50.0             | 70   | 40 (1)     | 12        |
| SWN0599L6D             | 2DA3F23KE        | 460          | 3  | 60 | 9.2        | 60.0  | 15.0                      | 20   | 15.0             | 20   | 10 (1)     | 3         | 25.0             | 25   | 20 (1)     | 6         |
| SWN0599L6E             | 2DA3F23KE        | 575          | 3  | 60 | 8.1        | 49.0  | 15.0                      | 15   | 15.0             | 20   | 8 (1)      | 3         | 20.0             | 20   | 16 (1)     | 5         |
| SWN0600L6C             | 2DB3F25KE        | 208-230      | 3  | 60 | 25.3       | 161.0 | 31.7                      | 50   | 37.7             | 60   | 20 (1)     | 6         | 50.0             | 60   | 40 (1)     | 12        |
| SWN0600L6D             | 2DB3F25KE        | 460          | 3  | 60 | 11.9       | 80.0  | 15.0                      | 25   | 20.0             | 25   | 10 (1)     | 3         | 25.0             | 30   | 20 (1)     | 6         |
| SWN0600L6E             | 2DB3F25KE        | 575          | 3  | 60 | 8.6        | 63.0  | 15.0                      | 15   | 15.0             | 20   | 8 (1)      | 3         | 20.0             | 20   | 16 (1)     | 5         |
| SWN0601L6C             | 3DA3F28KE        | 208-230      | 3  | 60 | 24.0       | 150.0 | 30.1                      | 50   | 36.1             | 60   | 20 (1)     | 6         | 50.0             | 60   | 40 (1)     | 12        |
| SWN0601L6D             | 3DA3F28KE        | 460          | 3  | 60 | 10.8       | 77.0  | 15.0                      | 20   | 20.0             | 25   | 10 (1)     | 3         | 25.0             | 30   | 20 (1)     | 6         |
| SWN0601L6E             | 3DA3F28KE        | 575          | 3  | 60 | 9.4        | 62.0  | 15.0                      | 20   | 15.0             | 20   | 8 (1)      | 3         | 20.0             | 25   | 16 (1)     | 5         |
| SWN0750L6C             | 3DB3F33KE        | 208-230      | 3  | 60 | 27.6       | 161.0 | 34.5                      | 60   | 50.0             | 70   | 40 (1)     | 12        | 87.5             | 90   | 70 (2)     | 16        |
| SWN0750L6D             | 3DB3F33KE        | 460          | 3  | 60 | 14.1       | 83.0  | 20.0                      | 30   | 25.0             | 35   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0750L6E             | 3DB3F33KE        | 575          | 3  | 60 | 9.9        | 67.0  | 15.0                      | 20   | 20.0             | 25   | 16 (1)     | 5         | 40.0             | 40   | 32 (1)     | 10        |
| SWN0900L6C             | 3DF3F40KE        | 208-230      | 3  | 60 | 33.2       | 215.0 | 41.5                      | 70   | 53.5             | 80   | 40 (1)     | 12        | 87.5             | 90   | 70 (2)     | 16        |
| SWN0900L6D             | 3DF3F40KE        | 460          | 3  | 60 | 15.0       | 106.0 | 20.0                      | 30   | 25.0             | 35   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN0900L6E             | 3DF3F40KE        | 575          | 3  | 60 | 14.1       | 84.0  | 20.0                      | 30   | 22.6             | 35   | 16 (1)     | 5         | 40.0             | 40   | 32 (1)     | 10        |
| SWN1000L6C             | 3DS3F46KE        | 208-230      | 3  | 60 | 37.2       | 215.0 | 46.5                      | 80   | 58.5             | 90   | 40 (1)     | 12        | 87.5             | 90   | 70 (2)     | 16        |
| SWN1000L6D             | 3DS3F46KE        | 460          | 3  | 60 | 16.7       | 106.0 | 20.8                      | 35   | 26.8             | 40   | 20 (1)     | 6         | 50.0             | 50   | 40 (1)     | 12        |
| SWN1000L6E             | 3DS3F46KE        | 575          | 3  | 60 | 14.6       | 84.0  | 20.0                      | 30   | 23.2             | 35   | 16 (1)     | 5         | 40.0             | 40   | 32 (1)     | 10        |
| SWN1500L6C             | 4DHNF63KE        | 208-230      | 3  | 60 | 47.2       | 278.0 | 59.0                      | 100  | 87.5             | 110  | 70 (2)     | 16        | 120.0            | 125  | 96 (2)     | 25        |
| SWN1500L6D             | 4DHNF63KE        | 460          | 3  | 60 | 23.6       | 139.0 | 29.5                      | 50   | 50.0             | 60   | 40 (1)     | 12        | 87.5             | 90   | 70 (2)     | 16        |
| SWN1500L6E             | 4DHNF63KE        | 575          | 3  | 60 | 18.8       | 113.0 | 23.5                      | 40   | 40.0             | 50   | 32 (1)     | 10        | 70.0             | 70   | 56 (2)     | 12        |
| SWN2200L6C             | 4DJNF76KE        | 208-230      | 3  | 60 | 59.2       | 374.0 | 74.0                      | 125  | 90.0             | 125  | 70 (2)     | 16        | 120.0            | 150  | 96 (2)     | 25        |
| SWN2200L6D             | 4DJNF76KE        | 460          | 3  | 60 | 29.6       | 187.0 | 37.0                      | 60   | 50.0             | 70   | 40 (1)     | 12        | 87.5             | 90   | 70 (2)     | 16        |
| SWN2200L6E             | 4DJNF76KE        | 575          | 3  | 60 | 21.7       | 135.0 | 27.1                      | 45   | 40.0             | 50   | 32 (1)     | 10        | 70.0             | 70   | 56 (2)     | 12        |

\*Number of defrost heater contactors in parentheses

RLA - Rated Load Amps

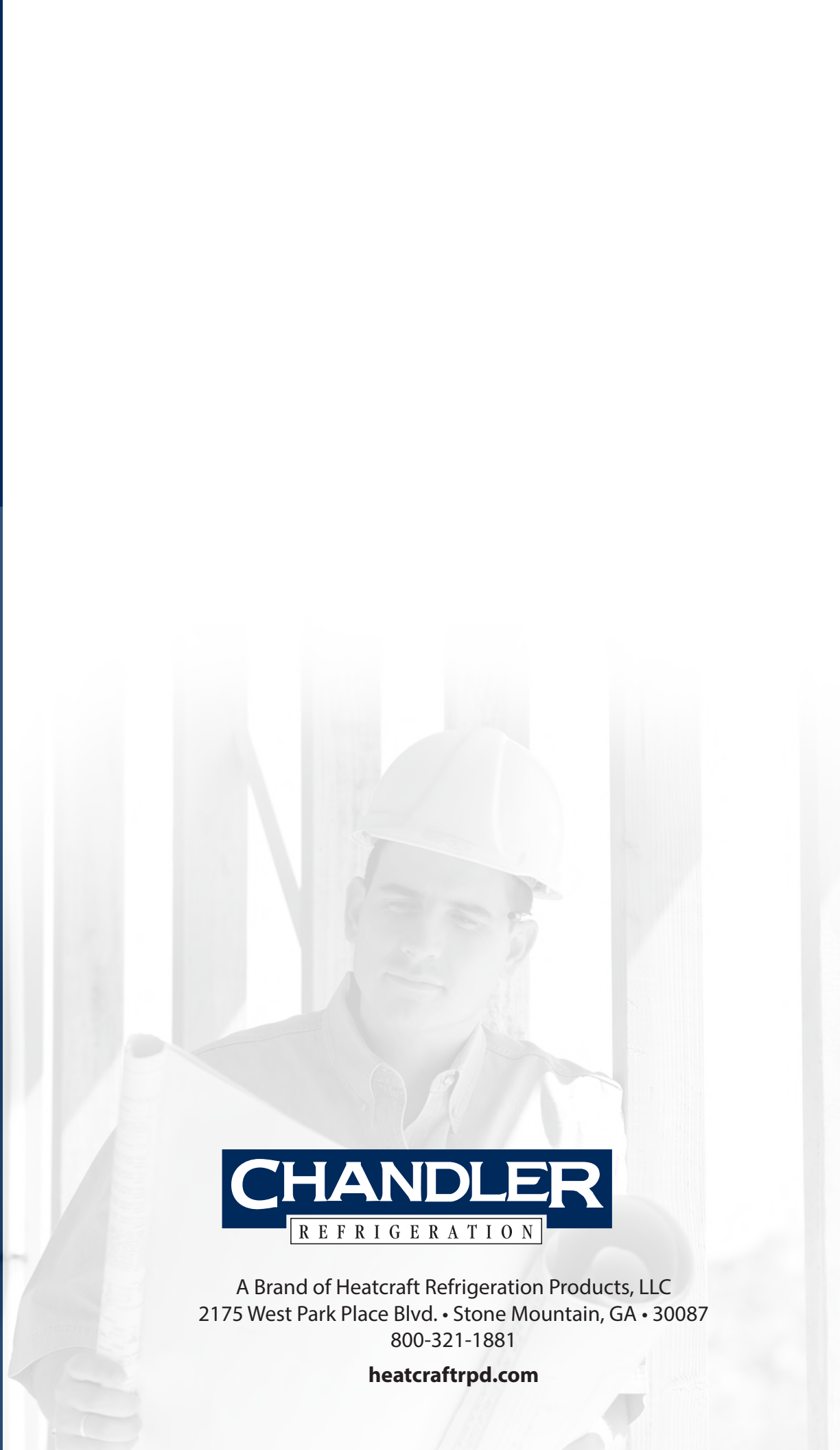
LRA - Locked Rotor Amps

MCA - Minimum Circuit Ampacity

MOPD - Maximum Overcurrent Protection Device



Notes



# CHANDLER

REFRIGERATION

A Brand of Heatcraft Refrigeration Products, LLC  
2175 West Park Place Blvd. • Stone Mountain, GA • 30087  
800-321-1881

[heatcrafttrpd.com](http://heatcrafttrpd.com)