

**N5H8T**  
**2-Stage Heat Pump**  
**with R-454B Refrigerant**  
**2 To 5 Tons**

**TEMPSTAR®**  
Heating and Cooling Products

## Product Specifications



This unit has been designed utilizing non-ozone depleting and low global warming potential R-454B refrigerant. Heat pumps with R-454B refrigerant provide a collection of features unmatched by any other family of equipment.

**NOTE:** Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory ([www.ahridirectory.org](http://www.ahridirectory.org)) for the most up-to-date ratings information.

### Industry leading Features / Benefits

#### Efficiency

- Up to 18.5 SEER2 / Up to 14 EER2 / Up to 8.5 HSPF2
- Indoor air quality accessories available

#### Sound

- Sound level as low as 67 dBA

#### Comfort

- System supports Thermidistat or standard 2-stage thermostat controls

#### Reliability

- Non-ozone depleting and low global warming potential R-454B refrigerant
- Front-seating service valves
- 2-stage scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Loss of charge switch
- Filter drier
- Balanced refrigeration system for maximum reliability

#### Durability

- Protection Package: Solid, durable sheet metal construction
- Post-painted cabinet finish over galvanized steel

#### Applications

- Long-line - up to 250 feet (76.2 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Long Line Guide for more information.)
- Low ambient cooling (down to 0°F / -17.8°C ) with approved low ambient accessory kits.

#### Limited Warranty

- 5-year parts limited warranty (including compressor and coil)
    - 10-year parts limited warranty (including compressor and coil) with timely registration\*.
- Equipment must be registered within 90 days of original installation, except in jurisdictions where warranty benefits cannot be conditioned on registration.
- \* Applies to original purchaser/homeowner and not available to subsequent owners except in jurisdictions where applicable laws dictate otherwise.

**See warranty certificate for complete details and restrictions.**

## MODEL NUMBER NOMENCLATURE

| N                            | 5                                | H                     | 8                            | T                                      | 24                                                                                  | A                              | K                               | A                                      | A                                | A                                  |
|------------------------------|----------------------------------|-----------------------|------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|---------------------------------|----------------------------------------|----------------------------------|------------------------------------|
| <b>Brand</b><br>N = Tempstar | <b>Refrigerant</b><br>5 = R-454B | <b>Type</b><br>H = HP | <b>SEER2</b><br>8 = 18 SEER2 | <b>OD Design Type</b><br>T = Two Stage | <b>Nominal Capacity</b><br>24 = 2 Tons<br>36 = 3 Tons<br>48 = 4 Tons<br>60 = 5 Tons | <b>Feature</b><br>A = Standard | <b>Voltage</b><br>K = 208-230-1 | <b>Special Feature</b><br>A = Standard | <b>Region</b><br>A = Standard HP | <b>Major Series</b><br>A = Initial |

## CATALOG ORDERING NUMBERS

| Size | Model Ordering Number |
|------|-----------------------|
| 24   | N5H8T24AKAAA          |
| 36   | N5H8T36AKAAA          |
| 48   | N5H8T48AKAAA          |
| 60   | N5H8T60AKAAA          |

## STANDARD FEATURES

| FEATURES                                          | Unit Size |    |    |      |
|---------------------------------------------------|-----------|----|----|------|
|                                                   | 24        | 36 | 48 | 60   |
| R-454B Refrigerant                                | X         | X  | X  | X    |
| Maximum SEER2 Rating*                             | 18.5      | 17 | 18 | 17.5 |
| 2-Stage Scroll Compressor                         | X         | X  | X  | X    |
| Low Ambient Cooling Capability with Approved Kits | X         | X  | X  | X    |
| Crankcase Heater w/Temperature Switch             | X         | X  | X  | X    |
| Factory Provided, Field Installed Filter Drier    | X         | X  | X  | X    |
| Front Seating Service Valves                      | X         | X  | X  | X    |
| Internal Pressure Relief Valve                    | X         | X  | X  | X    |
| Internal Thermal Overload                         | X         | X  | X  | X    |
| Long Line capability                              | X         | X  | X  | X    |
| Loss of Charge Switch                             | X         | X  | X  | X    |

X = Standard

\* With approved combinations

## PHYSICAL DATA

| UNIT SIZE                          | 24                                         | 36           | 48           | 60           |
|------------------------------------|--------------------------------------------|--------------|--------------|--------------|
| <b>Compressor Type</b>             | Scroll                                     |              |              |              |
| <b>Refrigerant</b>                 | R-454B Refrigerant                         |              |              |              |
| Charge lb (kg)*                    | 10.14 (4.60)                               | 12.70 (5.76) | 11.09 (5.03) | 11.86 (5.38) |
| Outdoor Htg Piston #               | 42                                         | 49           | 61           | 67           |
| <b>COND Fan</b>                    | Forward Swept Propeller Type, Direct Drive |              |              |              |
| Air Discharge                      | Vertical                                   |              |              |              |
| Air Qty (CFM)                      | 3120                                       | 3788         | 4781         | 4781         |
| Motor HP                           | 1/3                                        | 1/3          | 1/3          | 1/3          |
| Motor RPM                          | 615                                        | 700          | 815          | 815          |
| <b>COND COIL</b>                   |                                            |              |              |              |
| Face Area (Sq ft)                  | 22.6                                       | 25.1         | 30.1         | 30.1         |
| Fins per In.                       | 20                                         | 20           | 20           | 20           |
| Rows                               | 2                                          | 2            | 2            | 2            |
| Circuits                           | 9                                          | 8            | 12           | 12           |
| <b>VALVE CONNECT. (In. ID)</b>     |                                            |              |              |              |
| Vapor                              | 3/4                                        | 7/8          | 7/8          | 7/8          |
| Liquid                             | 3/8"                                       |              |              |              |
| <b>REFRIGERANT TUBES† (In. OD)</b> |                                            |              |              |              |
| Vapor (0-80 Ft Tube Length)        | 3/4                                        | 7/8          | 1 1/8        | 1 1/8        |
| Liquid (0-80 Ft Tube Length)       | 3/8"                                       |              |              |              |

\*.For 15 ft (4.6 m) lineset

†. Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.

## REFRIGERANT PIPING LENGTH LIMITATIONS

### Maximum Line Lengths:

The maximum allowable total equivalent length for heat pumps varies depending on the vertical separation. See the tables below for allowable lengths depending on whether the outdoor unit is on the same level, above or below the indoor unit.

**Maximum Line Lengths for Heat Pump Applications**

|                                   | MAXIMUM ACTUAL LENGTH*<br>ft (m)                                            | MAXIMUM EQUIVALENT LENGTH<br>ft (m) | MAXIMUM VERTICAL SEPARATION<br>ft (m) |
|-----------------------------------|-----------------------------------------------------------------------------|-------------------------------------|---------------------------------------|
| Units on equal level              | 200 (61)                                                                    | 250 (76.2)                          | N/A                                   |
| Outdoor unit ABOVE<br>indoor unit | 200 (61)                                                                    | 250 (76.2)                          | 200 (61)                              |
| Outdoor unit BELOW<br>indoor unit | See Table 'Maximum Total Equivalent Length -Outdoor Unit BELOW Indoor Unit' |                                     |                                       |

\* Maximum actual length not to exceed 200 ft (61 m)

**Maximum Total Equivalent Length\*- Outdoor Unit BELOW Indoor Unit**

| Size | Liquid Line<br>Diameter<br>w/ TXV | HP with R-454B Refrigerant - Maximum Total Equivalent Length<br>Vertical Separation ft (m) Outdoor unit BELOW indoor unit |                      |                       |                        |                        |                        |                        |
|------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|
|      |                                   | 0-20<br>(0 - 6.1)                                                                                                         | 21-30<br>(6.4 - 9.1) | 31-40<br>(9.4 - 12.2) | 41-50<br>(12.5 - 15.2) | 51-60<br>(15.5 - 18.3) | 61-70<br>(18.6 - 21.3) | 71-80<br>(21.6 - 24.4) |
| 24   | 3/8                               | 250*                                                                                                                      | 250*                 | 250*                  | 250*                   | 250*                   | 250*                   | 250*                   |
| 36   | 3/8                               | 250*                                                                                                                      | 250*                 | 250*                  | 250*                   | 250*                   | 250*                   | 250*                   |
| 48   | 3/8                               | 250*                                                                                                                      | 250*                 | 250*                  | 250*                   | 230                    | 160                    | —                      |
| 60   | 3/8                               | 250*                                                                                                                      | 225*                 | 190                   | 150                    | 110                    | —                      | —                      |

\* Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

— = outside acceptable range

## LONG LINE APPLICATIONS

An application is considered Long Line, when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units.

For heat pump systems, the chart below shows when an application is considered Long Line.

**Table 1 – HP with R-454B Refrigerant Long Line Description ft (m) (Beyond these lengths, long line accessories are required)**

| Liquid Line Size | Units On Same Level | Outdoor Below Indoor                 | Outdoor Above Indoor |
|------------------|---------------------|--------------------------------------|----------------------|
| 3/8 + TXV        | 80 (24.4)           | 20 (6.1) vertical or 80 (24.4) total | 80 (24.4)            |

**NOTE:** See Residential Piping and Long Line Guideline for details

## VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for HP systems with R-454B refrigerant:

| Unit<br>Nominal<br>Size | Maximum<br>Liquid Line<br>Diameters<br>(In.) OD | Vapor Line<br>Diameters<br>(In.) OD | Cooling Capacity Loss (%)<br>Total Equivalent Line Length ft. (m) |                      |                                            |                        |                        |                        |                        |                        |                        |
|-------------------------|-------------------------------------------------|-------------------------------------|-------------------------------------------------------------------|----------------------|--------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|                         |                                                 |                                     | Standard<br>Application                                           |                      | Long Line Application Requires Accessories |                        |                        |                        |                        |                        |                        |
|                         |                                                 |                                     | 26-50<br>(7.9-15.2)                                               | 51-80<br>(15.5-24.4) | 81-100<br>(24.7-30.5)                      | 101-125<br>(30.8-38.1) | 126-150<br>(38.4-45.7) | 151-175<br>(46.0-50.3) | 176-200<br>(53.6-60.0) | 201-225<br>(61.3-68.6) | 226-250<br>(68.9-76.2) |
| 24                      | 3/8                                             | 5/8                                 | 0                                                                 | 1                    | 1                                          | 2                      | 3                      | 3                      | 4                      | 4                      | 5                      |
|                         |                                                 | 3/4                                 | 0                                                                 | 1                    | 1                                          | 1                      | 1                      | 1                      | 1                      | 1                      | 1                      |
| 36                      | 3/8                                             | 5/8                                 | 1                                                                 | 2                    | 4                                          | 5                      | 6                      | 7                      | 9                      | 10                     | 11                     |
|                         |                                                 | 3/4                                 | 0                                                                 | 0                    | 1                                          | 1                      | 2                      | 2                      | 3                      | 3                      | 4                      |
|                         |                                                 | 7/8                                 | 0                                                                 | 0                    | —                                          | —                      | —                      | —                      | —                      | —                      | —                      |
| 48                      | 3/8                                             | 3/4                                 | 1                                                                 | 2                    | 2                                          | 3                      | 4                      | 5                      | 6                      | 7                      | 7                      |
|                         |                                                 | 7/8                                 | 0                                                                 | 1                    | 1                                          | 2                      | 2                      | 2                      | 3                      | 3                      | 4                      |
|                         |                                                 | 1-1/8                               | 0                                                                 | 0                    | —                                          | —                      | —                      | —                      | —                      | —                      | —                      |
| 60                      | 3/8                                             | 3/4                                 | 1                                                                 | 2                    | 4                                          | 5                      | 6                      | 8                      | 9                      | 10                     | 11                     |
|                         |                                                 | 7/8                                 | 0                                                                 | 1                    | 2                                          | 2                      | 3                      | 4                      | 4                      | 5                      | 5                      |
|                         |                                                 | 1-1/8                               | 0                                                                 | 0                    | —                                          | —                      | —                      | —                      | —                      | —                      | —                      |

Standard Length = 80 ft. (24.4 m) or less total equivalent length

Applications in this area are long line. Accessories are required as shown recommended on Long Line Application Guidelines

Applications in this area may have height restrictions that limit allowable total equivalent length, when outdoor unit is below indoor unit.

— Applications in this area are not recommended due to insufficient oil return.

## AHRI RATINGS

For AHRI ratings certificates, please refer to the AHRI directory [www.ahridirectory.org](http://www.ahridirectory.org)

Additional ratings and system combinations can be accessed via the Ratings Database here: [Tempstar Ratings](#)

**NOTE:** Any ratings contained in this document are subject to change at any time.

## Electrical Data

| UNIT SIZE | V/PH      | OPER VOLTS* |     | COMPR |      | FAN  | MCA  | MAX FUSE†<br>or<br>CKT BRK AMPS |
|-----------|-----------|-------------|-----|-------|------|------|------|---------------------------------|
|           |           | MAX         | MIN | LRA   | RLA  | FLA  |      |                                 |
| 24        | 208-230/1 | 253         | 197 | 62.0  | 15.6 | 2.60 | 22.1 | 25                              |
| 36        |           |             |     | 90.0  | 18.5 | 2.60 | 25.7 | 40                              |
| 48        |           |             |     | 138.0 | 23.0 | 2.60 | 31.4 | 50                              |
| 60        |           |             |     | 149.0 | 25.8 | 2.60 | 34.9 | 60                              |

\* Permissible limits of the voltage range at which the unit will operate satisfactorily

† Time-Delay fuse.

**FLA**- Full Load Amps

**LRA** - Locked Rotor Amps

**MCA**- Minimum Circuit Amps

**RLA**- Rated Load Amps

**NOTE:** Control circuit is 24-V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with 2010 requirements of ASHRAE Standards 90.1

Short Circuit Current Rating (SCCR): 5kA rms

## A-Weighted Sound Power (dBA) w/o Accessory Sound Shield)

| UNIT SIZE | STANDARD RATING | TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment) |     |     |      |      |      |      |
|-----------|-----------------|--------------------------------------------------------|-----|-----|------|------|------|------|
|           |                 | 125                                                    | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 24        | 71 - High Stage | 65                                                     | 63  | 63  | 70   | 59   | 54   | 56   |
|           | 69 - Low Stage  | 64                                                     | 63  | 63  | 67   | 57   | 53   | 50   |
| 36        | 71 - High Stage | 66                                                     | 61  | 62  | 66   | 60   | 53   | 51   |
|           | 69 - Low Stage  | 66                                                     | 62  | 62  | 62   | 58   | 53   | 50   |
| 48        | 72 - High Stage | 66                                                     | 64  | 66  | 68   | 62   | 60   | 57   |
|           | 71 - Low Stage  | 67                                                     | 64  | 66  | 68   | 62   | 60   | 57   |
| 60        | 73 - High Stage | 69                                                     | 66  | 67  | 70   | 61   | 61   | 55   |
|           | 71 - Low Stage  | 68                                                     | 67  | 68  | 66   | 61   | 59   | 55   |

## A-Weighted Sound Power (dBA) with Accessory Sound Shield)

| UNIT SIZE | STANDARD RATING | TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment) |     |     |      |      |      |      |
|-----------|-----------------|--------------------------------------------------------|-----|-----|------|------|------|------|
|           |                 | 125                                                    | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 24        | 69 - High Stage | 66                                                     | 62  | 62  | 68   | 57   | 51   | 51   |
|           | 67 - Low Stage  | 66                                                     | 63  | 62  | 65   | 54   | 50   | 44   |
| 36        | 69 - High Stage | 67                                                     | 62  | 62  | 64   | 59   | 52   | 50   |
|           | 67 - Low Stage  | 66                                                     | 62  | 62  | 61   | 56   | 52   | 47   |
| 48        | 70 - High Stage | 67                                                     | 65  | 66  | 66   | 61   | 58   | 54   |
|           | 69 - Low Stage  | 67                                                     | 64  | 66  | 66   | 61   | 57   | 53   |
| 60        | 72 - High Stage | 68                                                     | 69  | 70  | 67   | 61   | 59   | 58   |
|           | 70 - Low Stage  | 69                                                     | 67  | 68  | 65   | 60   | 57   | 53   |

**NOTE:** Tested in compliance with AHRI Standard 270 but not listed with AHRI.

## Charging Subcooling (TXV-Type Expansion Device)

| UNIT SIZE | REQUIRED SUBCOOLING °F (°C) |
|-----------|-----------------------------|
| 24        | 7 (3.9)                     |
| 36        | 10 (5.6)                    |
| 48        | 10 (5.6)                    |
| 60        | 10 (5.6)                    |

## Accessories

| Kit Number  | KIT NAME               | 24 | 36 | 48 | 60 |
|-------------|------------------------|----|----|----|----|
| NASA00201FS | Evaporator Freeze Stat | X  | X  | X  | X  |
| NASA001TD   | Time Delay Relay       | X  | X  | X  | X  |
| NASA501LA   | Low Ambient            | X  | X  | X  | X  |
| NASA00201IK | Isolation Relay        | X  | X  | X  | X  |
| NASA012SC   | Hard Start             | X  | X  | X  |    |
| NASA010SC   | Hard Start             |    |    |    | X  |
| NASA405PS   | High Pressure Switch   | X  | X  | X  | X  |
| NASA00201SF | Support Feet           | X  | X  | X  | X  |
| NASA001LS   | Solenoid Valve         | X  | X  | X  | X  |
| NASA00201SJ | Sound Blanket          | X  | X  |    |    |
| NASA00101SJ | Sound Blanket          |    |    | X  | X  |
| NASA00106SS | Snow Stand             | X  | X  | X  | X  |

X = Accessory

## ACCESSORY USAGE GUIDELINE

| Accessory                    | Required for Low Ambient cooling Applications<br>(Below 55°F / 12.8°C) | Required for Long Line Applications*           | Required for Sea Coast Applications<br>(within 2 miles/3.2 km) |
|------------------------------|------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------|
| Compressor Start Assist      | Yes                                                                    | Yes                                            | No                                                             |
| Crankcase Heater             | Standard                                                               | Standard                                       | Standard                                                       |
| Evaporator Freeze Thermostat | Yes                                                                    | No                                             | No                                                             |
| Isolation Relay              | Yes                                                                    | No                                             | No                                                             |
| Hard Shutoff TXV             | Yes<br>(Standard with Factory Indoor Coils)                            | Yes<br>(Standard with Factory Indoor Coils)    | Yes<br>(Standard with Factory Indoor Coils)                    |
| Liquid Line Solenoid Valve   | No                                                                     | See Residential Piping and Long Line Guideline | No                                                             |
| Low-Ambient Control          | Yes                                                                    | No                                             | No                                                             |
| Support Feet                 | Recommended                                                            | No                                             | Recommended                                                    |

\* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 20 ft. (6 m) vertical differential, refer to Residential Piping and Longline Guideline.

### Accessory Description and Usage (Listed Alphabetically)

#### 1. Compressor Start Assist - Capacitor and Relay

Start capacitor and relay gives a "hard" boost to compressor motor at each start up.

Usage Guideline:

Required for single-phase scroll compressors in the following applications:

Long line

Low ambient cooling

Suggested for all compressors in areas with a history of low voltage problems.

#### 2. Evaporator Freeze Thermostat

An SPST temperature-actuated switch that stops unit operation when evaporator reaches freeze-up conditions.

Usage Guideline:

Required when low ambient kit has been added.

#### 3. Liquid-Line Solenoid Valve (LLS)

An electrically operated shutoff valve which stops and starts refrigerant liquid flow in response to compressor operation. It is to be installed at the outdoor unit to control refrigerant off cycle migration in the heating mode.

Usage Guideline:

An LLS is required in all long line heat pump applications to control refrigerant off cycle migration in heating mode. See Long Line Guideline.

Suggested for all commercial applications.

#### 4. Low-Ambient Pressure Switch

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits. The control will maintain working head pressure at low-ambient temperatures down to 0°F (-17.8°C) when properly installed.

Usage Guideline:

A Low-Ambient Pressure Switch must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

#### 5. Support Feet

Four or five stick-on plastic feet that raise the unit 4 in. (101.6 mm) above the mounting pad. This allows sand, dirt, and other debris to be flushed from the unit base, minimizing corrosion.

Usage Guideline:

Suggested in the following applications:

Coastal installations.

Windy areas or where debris is normally circulating.

Rooftop installations.

For improved sound ratings.

#### 6. Time Delay Relay

An SPST delay relay which briefly continues operation of indoor blower motor to provide additional cooling after the compressor cycles off.

**NOTE:** Most indoor unit controls include this feature. For those that do not, use the guideline below.

Usage Guideline:

For improved efficiency ratings for certain combinations of indoor and outdoor units. Refer to AHRI Directory of Certified Product Performance (AHRI Directory).

When a Time-Delay Relay (TDR) is called for in the AHRI Directory, use a 30 second TDR for MicroChannel Indoor units and use a 90 second TDR for Round Tube Plate Fin Indoor units.

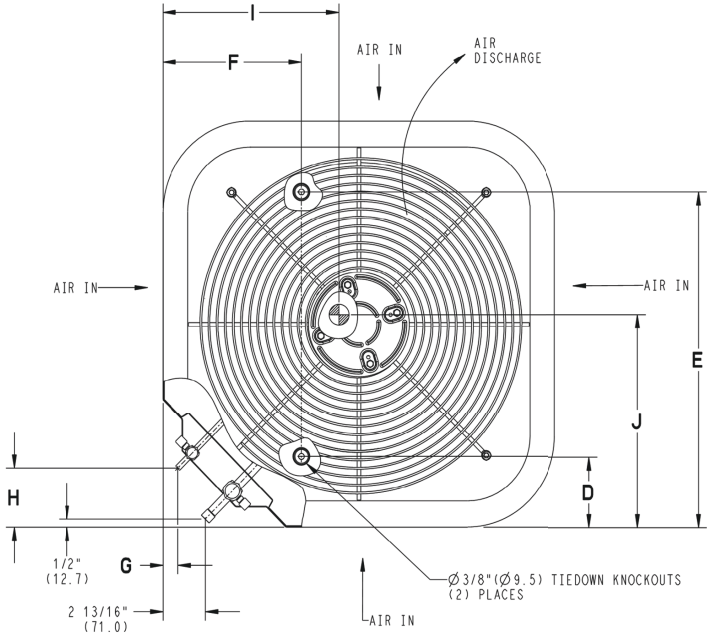
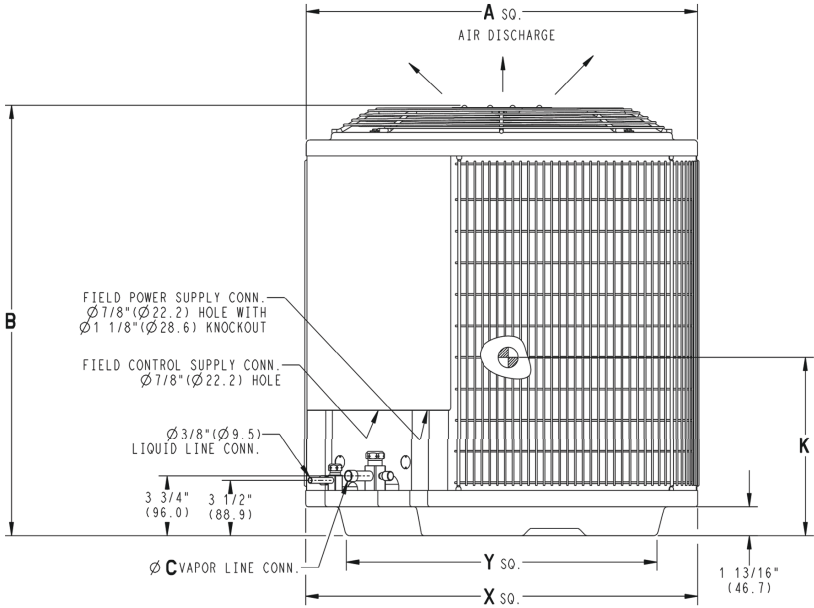
DIMENSIONS

| UNIT         | SERIES | ELECTRICAL CHARACTERISTICS |   |   |   |    | A     |    | B     |        | C    |      | D    |      | E     |    | F    |       | G    |     | H     |    | I    |      | J    |       | K    |    | OPERATING WEIGHT |       | SHIPPING WEIGHT |       | SHIPPING LENGTH / WIDTH (Sq.) |       | SHIPPING HEIGHT |       |      |       |      |       |    |       |        |     |        |
|--------------|--------|----------------------------|---|---|---|----|-------|----|-------|--------|------|------|------|------|-------|----|------|-------|------|-----|-------|----|------|------|------|-------|------|----|------------------|-------|-----------------|-------|-------------------------------|-------|-----------------|-------|------|-------|------|-------|----|-------|--------|-----|--------|
|              |        |                            |   |   |   |    | INCH  | MM | INCH  | MM     | INCH | MM   | INCH | MM   | INCH  | MM | INCH | MM    | INCH | MM  | INCH  | MM | INCH | MM   | INCH | MM    | INCH | MM | INCH             | MM    | INCH            | MM    | Lbs                           | Kgs   | Lbs             | Kgs   | INCH | MM    | INCH | MM    |    |       |        |     |        |
|              |        |                            |   |   |   |    |       |    |       |        |      |      |      |      |       |    |      |       |      |     |       |    |      |      |      |       |      |    |                  |       |                 |       |                               |       |                 |       |      |       |      |       |    |       |        |     |        |
| N5H8T24**AAA | A      | Y                          | N | N | N | 35 | 899.0 | 35 | 1/2   | 901.4  | 3/4  | 19.1 | 6    | 9/16 | 166.1 | 28 | 7/16 | 722.8 | 9    | 1/8 | 231.3 | 1  | 1/8  | 28.2 | 3    | 13/16 | 97.4 | 16 | 1/4              | 412.8 | 17              | 431.8 | 16                            | 406.4 | 220             | 99.8  | 248  | 112.5 | 38   | 965.0 | 39 | 13/16 | 1011.2 |     |        |
| N5H8T36**AAA | A      | Y                          | N | N | N | 35 | 899.0 | 38 | 7/8   | 997.3  | 7/8  | 22.2 | 6    | 9/16 | 166.1 | 28 | 7/16 | 722.8 | 9    | 1/8 | 231.3 | 1  | 1/8  | 28.2 | 3    | 13/16 | 97.4 | 17 | 1/2              | 444.5 | 17              | 1/2   | 444.5                         | 17    | 1/4             | 438.2 | 237  | 107.5 | 265  | 120.2 | 38 | 965.0 | 43     | 1/4 | 1099.0 |
| N5H8T48**AAA | A      | Y                          | N | N | N | 35 | 899.0 | 45 | 11/16 | 1160.5 | 7/8  | 22.2 | 6    | 9/16 | 166.1 | 28 | 7/16 | 722.8 | 9    | 1/8 | 231.3 | 1  | 1/8  | 28.2 | 3    | 13/16 | 97.4 | 17 | 1/2              | 444.5 | 16              | 3/4   | 425.5                         | 18    | 3/4             | 476.3 | 281  | 127.5 | 310  | 140.6 | 38 | 965.0 | 50     |     | 1269.5 |
| N5H8T60**AAA | A      | Y                          | N | N | N | 35 | 899.0 | 45 | 11/16 | 1160.5 | 7/8  | 22.2 | 6    | 9/16 | 166.1 | 28 | 7/16 | 722.8 | 9    | 1/8 | 231.3 | 1  | 1/8  | 28.2 | 3    | 13/16 | 97.4 | 17 | 1/2              | 444.5 | 16              | 3/4   | 425.5                         | 19    |                 | 482.6 | 285  | 129.3 | 314  | 142.4 | 38 | 965.0 | 50     |     | 1269.5 |

|               |                |          |          |
|---------------|----------------|----------|----------|
| 208-230-1-160 | 208-230-3-3-60 | 460-3-60 | 575-3-60 |
|---------------|----------------|----------|----------|

Y=YES  
N=NO

NOTES:  
1. CENTER OF GRAVITY



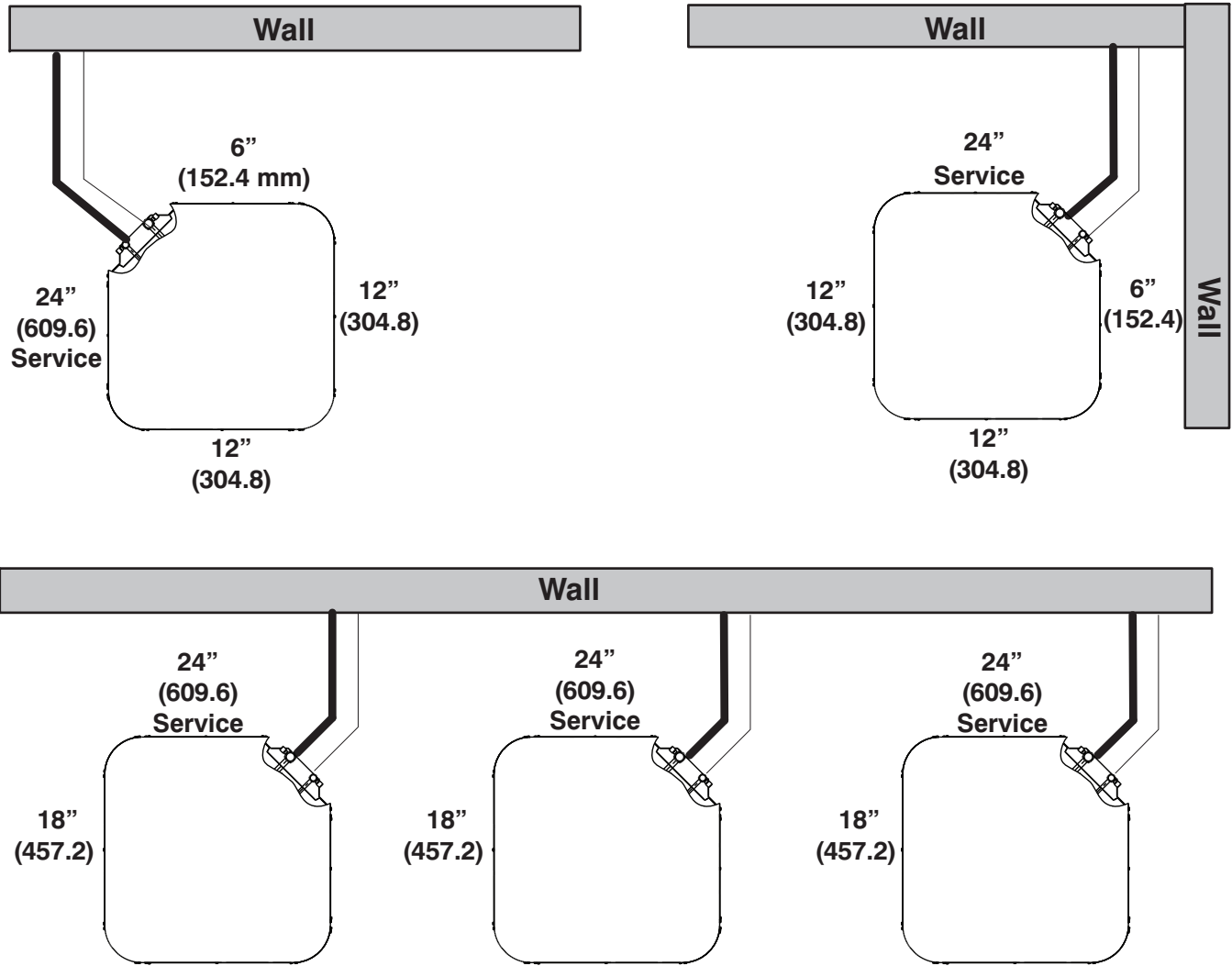
| UNIT SIZE   | "X"                                                   |      | "Y"                                                     |    |       |       |
|-------------|-------------------------------------------------------|------|---------------------------------------------------------|----|-------|-------|
|             | MINIMUM GROUND MOUNTING<br>PAD APPLICATION DIMENSIONS |      | MINIMUM ROOF-TOP MOUNTING<br>PAD APPLICATION DIMENSIONS |    |       |       |
| -           | 23                                                    | 1/8  | 587.3                                                   | 17 | 7/8   | 454.6 |
| -           | 25                                                    | 3/4  | 654.0                                                   | 20 | 7/16  | 518.5 |
| -           | 31                                                    | 3/16 | 792.5                                                   | 22 | 15/16 | 583.2 |
| 24,36,48,60 | 35                                                    |      | 889.0                                                   | 26 | 3/4   | 679.7 |

NOTE: ALL DIMENSIONS IN INCH (MM) U.S. ECCN: Not Subject to Regulation (N.S.R.)

SD8019-4 REV. -

CLEARANCES

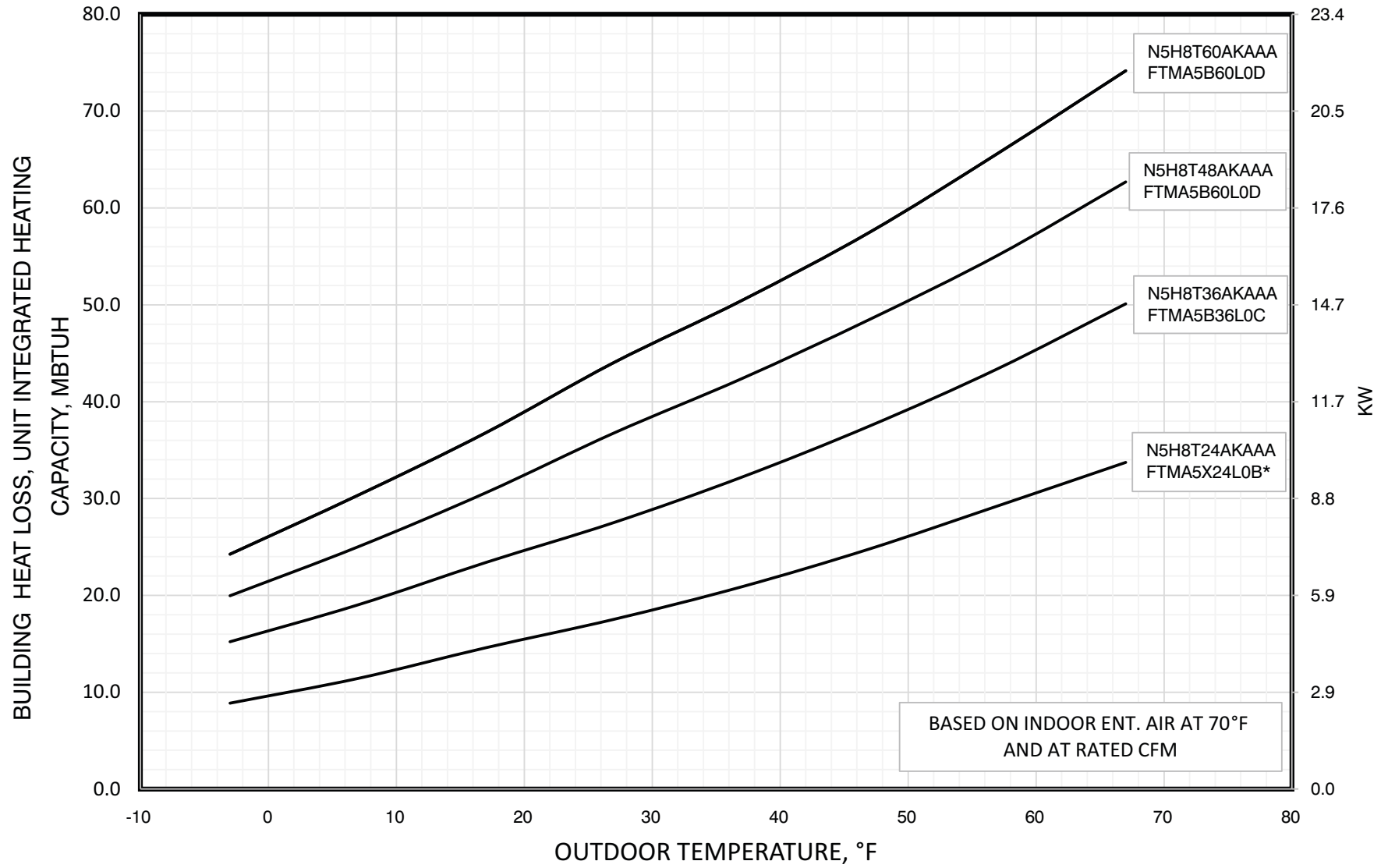
Clearances (various examples)



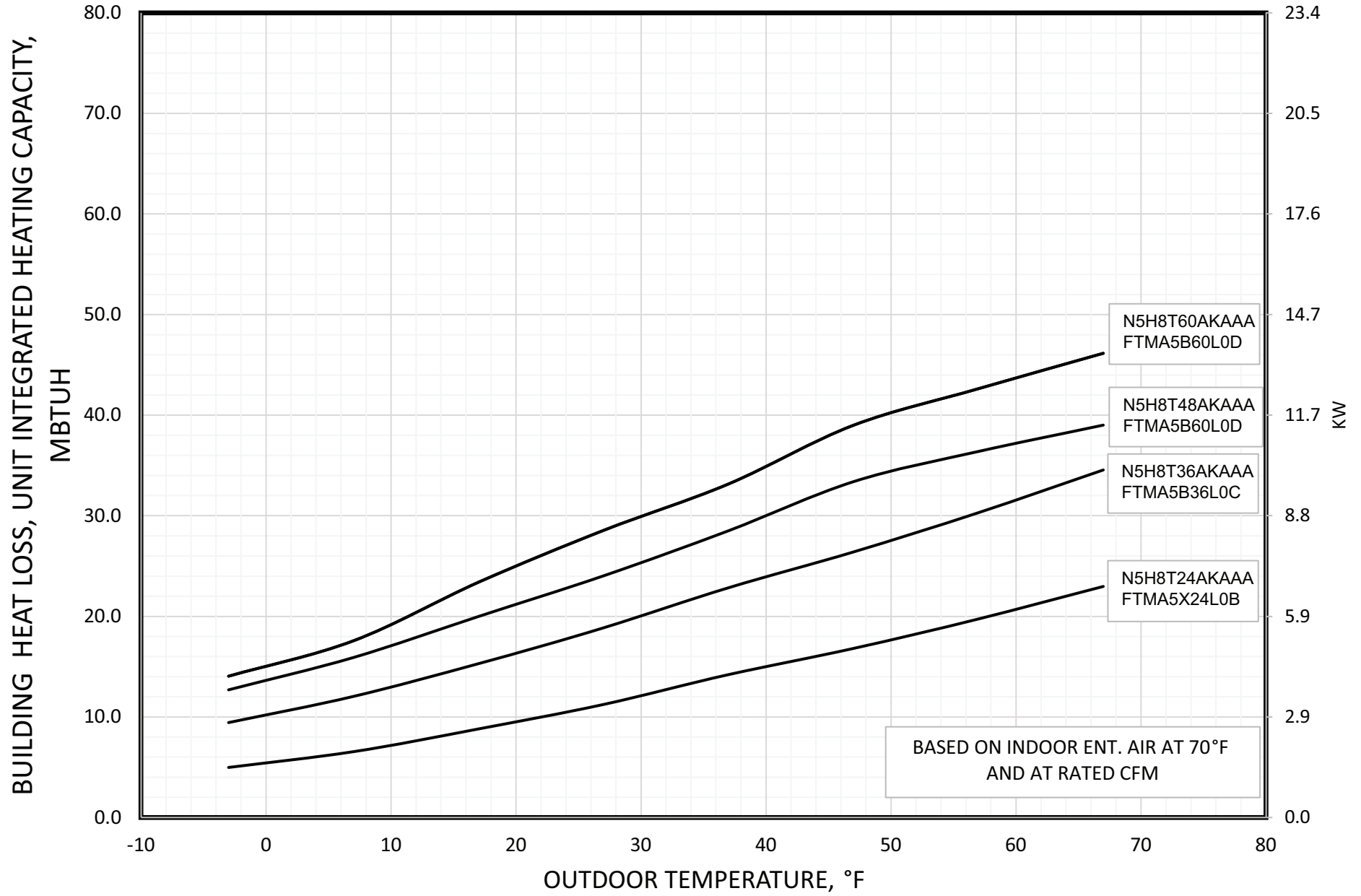
**Note:** Numbers in ( ) = mm  
Allow 48" above unit

**IMPORTANT:** When installing multiple units in an alcove, roof well, or partially enclosed area, ensure there is adequate ventilation to prevent re-circulation of discharge air.

## Balance Point Worksheet High Stage



# Balance Point Worksheet - Low Stage



Detailed Cooling Capacities<sup>#</sup>

| EVAPORATOR AIR                                                      |               | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |
|---------------------------------------------------------------------|---------------|---------------------------------------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|
|                                                                     |               | 75.0 (23.9)                                 |       |                    | 85.0 (29.4)    |       |                    | 95.0 (35.0)    |       |                    | 105.0 (40.6)   |       |                    | 115.0 (46.1)   |       |                    | 125.0 (51.7)   |       |                    |
| CFM                                                                 | EWB           | Capacity MBtuh                              |       | Total Sys.<br>KW** | Capacity MBtuh |       | Total Sys.<br>KW** | Capacity MBtuh |       | Total Sys.<br>KW** | Capacity MBtuh |       | Total Sys.<br>KW** | Capacity MBtuh |       | Total Sys.<br>KW** | Capacity MBtuh |       | Total Sys.<br>KW** |
|                                                                     |               | Total                                       | Sens‡ |                    | Total          | Sens‡ |                    | Total          | Sens‡ |                    | Total          | Sens‡ |                    | Total          | Sens‡ |                    | Total          | Sens‡ |                    |
| N5H8T24AKAAA Outdoor Section With FTMA5X24L0B Indoor Section - High |               |                                             |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |
| 650                                                                 | 72.0 (22.2)   | 27.51                                       | 14.01 | 1.36               | 26.38          | 13.58 | 1.55               | 25.14          | 13.11 | 1.75               | 23.78          | 12.61 | 1.97               | 22.19          | 12.02 | 2.22               | 20.68          | 11.47 | 2.50               |
|                                                                     | 67.0 (19.4)   | 24.86                                       | 17.13 | 1.37               | 23.84          | 16.70 | 1.56               | 22.71          | 16.21 | 1.75               | 21.47          | 15.72 | 1.97               | 20.14          | 15.17 | 2.22               | 18.69          | 14.58 | 2.49               |
|                                                                     | 63.0 (17.2)†† | 23.00                                       | 16.47 | 1.38               | 22.03          | 16.02 | 1.56               | 20.97          | 15.55 | 1.75               | 19.83          | 15.04 | 1.97               | 18.59          | 14.50 | 2.21               | 17.27          | 13.92 | 2.49               |
|                                                                     | 62.0 (16.7)   | 22.58                                       | 20.20 | 1.39               | 21.64          | 19.75 | 1.56               | 20.62          | 19.27 | 1.75               | 19.53          | 18.74 | 1.97               | 18.38          | 18.11 | 2.21               | 17.26          | 17.26 | 2.49               |
|                                                                     | 57.0 (13.9)   | 21.67                                       | 21.67 | 1.39               | 20.93          | 20.93 | 1.56               | 20.13          | 20.13 | 1.75               | 19.25          | 19.25 | 1.97               | 18.29          | 18.29 | 2.21               | 17.23          | 17.23 | 2.49               |
| 700                                                                 | 72.0 (22.2)   | 27.85                                       | 14.41 | 1.37               | 26.69          | 13.97 | 1.56               | 25.41          | 13.49 | 1.76               | 24.02          | 12.98 | 1.99               | 22.50          | 12.44 | 2.24               | 20.84          | 11.84 | 2.52               |
|                                                                     | 67.0 (19.4)   | 25.18                                       | 17.76 | 1.39               | 24.11          | 17.31 | 1.57               | 22.97          | 16.84 | 1.77               | 21.70          | 16.33 | 1.99               | 20.34          | 15.77 | 2.23               | 18.86          | 15.16 | 2.51               |
|                                                                     | 63.0 (17.2)†† | 23.29                                       | 17.05 | 1.40               | 22.30          | 16.60 | 1.58               | 21.21          | 16.12 | 1.77               | 20.05          | 15.61 | 1.98               | 18.78          | 15.06 | 2.23               | 17.29          | 14.38 | 2.50               |
|                                                                     | 62.0 (16.7)   | 22.91                                       | 21.06 | 1.40               | 21.95          | 20.60 | 1.58               | 20.91          | 20.09 | 1.77               | 19.83          | 19.48 | 1.98               | 18.74          | 18.74 | 2.23               | 17.64          | 17.64 | 2.50               |
|                                                                     | 57.0 (13.9)   | 22.24                                       | 22.24 | 1.40               | 21.47          | 21.47 | 1.58               | 20.63          | 20.63 | 1.77               | 19.72          | 19.72 | 1.98               | 18.72          | 18.72 | 2.23               | 17.61          | 17.61 | 2.50               |
| 805                                                                 | 72.0 (22.2)   | 28.41                                       | 15.20 | 1.40               | 27.19          | 14.75 | 1.59               | 25.86          | 14.26 | 1.80               | 24.40          | 13.74 | 2.02               | 22.81          | 13.19 | 2.27               | 21.09          | 12.57 | 2.55               |
|                                                                     | 67.0 (19.4)   | 25.71                                       | 19.04 | 1.42               | 24.60          | 18.59 | 1.60               | 23.40          | 18.10 | 1.80               | 22.08          | 17.58 | 2.02               | 20.65          | 17.01 | 2.27               | 19.13          | 16.36 | 2.54               |
|                                                                     | 63.0 (17.2)†† | 23.79                                       | 18.24 | 1.43               | 22.75          | 17.78 | 1.61               | 21.62          | 17.29 | 1.80               | 20.40          | 16.76 | 2.02               | 19.10          | 16.20 | 2.26               | 17.69          | 15.59 | 2.54               |
|                                                                     | 62.0 (16.7)   | 23.53                                       | 22.76 | 1.43               | 22.57          | 22.23 | 1.61               | 21.77          | 21.02 | 1.80               | 20.59          | 20.59 | 2.02               | 19.51          | 19.51 | 2.26               | 18.32          | 18.32 | 2.54               |
|                                                                     | 57.0 (13.9)   | 23.29                                       | 23.29 | 1.43               | 22.46          | 22.46 | 1.61               | 21.55          | 21.55 | 1.80               | 20.57          | 20.57 | 2.02               | 19.49          | 19.49 | 2.26               | 18.30          | 18.30 | 2.54               |
| N5H8T24AKAAA Outdoor Section With FTMA5X24L0B Indoor Section - Low  |               |                                             |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |
| 480                                                                 | 72.0 (22.2)   | 20.10                                       | 10.36 | 0.84               | 19.29          | 10.08 | 0.97               | 18.41          | 9.77  | 1.10               | 17.44          | 9.43  | 1.24               | 16.25          | 9.02  | 1.38               | 15.10          | 8.65  | 1.54               |
|                                                                     | 67.0 (19.4)   | 18.08                                       | 12.67 | 0.87               | 17.36          | 12.41 | 0.99               | 16.54          | 12.11 | 1.12               | 15.67          | 11.80 | 1.26               | 19.11          | 15.54 | 0.90               | 13.56          | 11.03 | 1.57               |
|                                                                     | 63.0 (17.2)†† | 16.65                                       | 12.13 | 0.89               | 15.99          | 11.87 | 1.01               | 15.25          | 11.59 | 1.14               | 14.42          | 11.26 | 1.28               | 13.48          | 10.88 | 1.43               | 12.43          | 10.47 | 1.59               |
|                                                                     | 62.0 (16.7)   | 16.32                                       | 14.91 | 0.89               | 15.69          | 14.67 | 1.01               | 14.98          | 14.39 | 1.14               | 14.21          | 14.09 | 1.28               | 13.46          | 13.46 | 1.43               | 12.64          | 12.64 | 1.58               |
|                                                                     | 57.0 (13.9)   | 15.75                                       | 15.75 | 0.90               | 15.28          | 15.28 | 1.02               | 14.75          | 14.75 | 1.15               | 14.14          | 14.14 | 1.28               | 13.43          | 13.43 | 1.43               | 12.62          | 12.62 | 1.58               |
| 560                                                                 | 72.0 (22.2)   | 20.62                                       | 11.03 | 0.85               | 19.75          | 10.73 | 0.98               | 18.81          | 10.42 | 1.11               | 17.78          | 10.08 | 1.25               | 16.63          | 9.70  | 1.40               | 15.16          | 9.20  | 1.55               |
|                                                                     | 67.0 (19.4)   | 18.58                                       | 13.71 | 0.88               | 17.80          | 13.45 | 1.00               | 16.96          | 13.17 | 1.13               | 16.03          | 12.82 | 1.27               | 14.98          | 12.47 | 1.42               | 13.66          | 12.00 | 1.57               |
|                                                                     | 63.0 (17.2)†† | 17.12                                       | 13.11 | 0.90               | 16.41          | 12.85 | 1.02               | 15.63          | 12.55 | 1.15               | 14.76          | 12.23 | 1.29               | 13.77          | 11.83 | 1.44               | 12.60          | 11.39 | 1.59               |
|                                                                     | 62.0 (16.7)   | 16.86                                       | 16.32 | 0.90               | 16.30          | 15.83 | 1.02               | 15.58          | 15.58 | 1.15               | 14.87          | 14.87 | 1.28               | 14.14          | 14.14 | 1.43               | 13.25          | 13.25 | 1.59               |
|                                                                     | 57.0 (13.9)   | 16.65                                       | 16.65 | 0.90               | 16.14          | 16.14 | 1.02               | 15.55          | 15.55 | 1.15               | 14.88          | 14.88 | 1.29               | 14.12          | 14.12 | 1.43               | 13.24          | 13.24 | 1.59               |
| 645                                                                 | 72.0 (22.2)   | 21.02                                       | 11.72 | 0.86               | 20.11          | 11.42 | 0.99               | 19.14          | 11.04 | 1.12               | 18.04          | 10.74 | 1.26               | 16.85          | 10.36 | 1.41               | 15.35          | 9.87  | 1.57               |
|                                                                     | 67.0 (19.4)   | 18.96                                       | 14.79 | 0.89               | 18.16          | 14.52 | 1.01               | 17.27          | 14.22 | 1.14               | 16.30          | 13.90 | 1.28               | 15.23          | 13.53 | 1.43               | 14.04          | 13.10 | 1.59               |
|                                                                     | 63.0 (17.2)†† | 17.49                                       | 14.11 | 0.91               | 16.75          | 13.84 | 1.03               | 15.93          | 13.54 | 1.16               | 15.03          | 13.22 | 1.30               | 13.94          | 12.79 | 1.45               | 12.91          | 12.37 | 1.61               |
|                                                                     | 62.0 (16.7)   | 17.48                                       | 17.48 | 0.91               | 16.91          | 16.91 | 1.03               | 16.27          | 16.27 | 1.16               | 15.55          | 15.55 | 1.29               | 14.72          | 14.72 | 1.44               | 13.77          | 13.77 | 1.59               |
|                                                                     | 57.0 (13.9)   | 17.45                                       | 17.45 | 0.91               | 16.89          | 16.89 | 1.03               | 16.25          | 16.25 | 1.16               | 15.52          | 15.52 | 1.29               | 14.70          | 14.70 | 1.44               | 21.14          | 21.14 | 1.51               |

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

Detailed Cooling Capacities<sup>#</sup> (Continued)

| EVAPORATOR AIR                                                      |               | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
|---------------------------------------------------------------------|---------------|---------------------------------------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|
|                                                                     |               | 75.0 (23.9)                                 |       |            | 85.0 (29.4)    |       |            | 95.0 (35.0)    |       |            | 105.0 (40.6)   |       |            | 115.0 (46.1)   |       |            | 125.0 (51.7)   |       |            |
|                                                                     |               | Capacity MBtuh                              |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. |
| CFM                                                                 | EWB           | Total                                       | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       |
| N5H8T36AKAAA Outdoor Section With FTMA5B36LoC Indoor Section - High |               |                                             |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
| 975                                                                 | 72.0 (22.2)   | 40.51                                       | 20.53 | 2.32       | 38.91          | 19.91 | 2.55       | 37.22          | 19.27 | 2.81       | 35.37          | 18.57 | 3.12       | 33.42          | 17.86 | 3.48       | 31.26          | 17.07 | 3.91       |
|                                                                     | 67.0 (19.4)   | 36.67                                       | 25.10 | 2.31       | 35.18          | 24.47 | 2.54       | 33.62          | 23.82 | 2.81       | 31.96          | 23.13 | 3.11       | 30.14          | 22.41 | 3.48       | 28.17          | 21.60 | 3.91       |
|                                                                     | 63.0 (17.2)†† | 33.91                                       | 24.13 | 2.30       | 32.52          | 23.49 | 2.53       | 31.07          | 22.84 | 2.80       | 29.51          | 22.15 | 3.11       | 27.82          | 21.40 | 3.47       | 25.98          | 20.60 | 3.90       |
|                                                                     | 62.0 (16.7)   | 33.41                                       | 29.62 | 2.30       | 32.07          | 28.97 | 2.53       | 30.67          | 28.29 | 2.80       | 29.18          | 27.55 | 3.11       | 27.60          | 26.74 | 3.47       | 26.31          | 24.81 | 3.88       |
|                                                                     | 57.0 (13.9)   | 32.11                                       | 32.11 | 2.29       | 31.04          | 31.04 | 2.53       | 29.92          | 29.92 | 2.80       | 28.70          | 28.70 | 3.11       | 27.37          | 27.37 | 3.47       | 25.90          | 25.90 | 3.90       |
| 1050                                                                | 72.0 (22.2)   | 40.99                                       | 21.07 | 2.35       | 39.34          | 20.45 | 2.58       | 37.60          | 19.80 | 2.84       | 35.74          | 19.11 | 3.15       | 33.72          | 18.37 | 3.51       | 31.52          | 17.58 | 3.94       |
|                                                                     | 67.0 (19.4)   | 37.10                                       | 25.97 | 2.34       | 35.60          | 25.35 | 2.57       | 34.00          | 24.69 | 2.83       | 32.29          | 23.99 | 3.14       | 30.44          | 23.24 | 3.50       | 28.43          | 22.43 | 3.93       |
|                                                                     | 63.0 (17.2)†† | 34.32                                       | 24.94 | 2.33       | 32.90          | 24.30 | 2.56       | 31.41          | 23.64 | 2.82       | 29.81          | 22.93 | 3.13       | 28.08          | 22.20 | 3.50       | 26.22          | 21.37 | 3.93       |
|                                                                     | 62.0 (16.7)   | 33.87                                       | 30.80 | 2.32       | 32.51          | 30.13 | 2.56       | 31.09          | 29.42 | 2.82       | 29.60          | 28.64 | 3.13       | 27.98          | 27.98 | 3.50       | 26.49          | 26.49 | 3.93       |
|                                                                     | 57.0 (13.9)   | 32.89                                       | 32.89 | 2.32       | 31.78          | 31.78 | 2.56       | 30.61          | 30.61 | 2.82       | 29.35          | 29.35 | 3.13       | 27.97          | 27.97 | 3.50       | 26.45          | 26.45 | 3.93       |
| 1205                                                                | 72.0 (22.2)   | 41.76                                       | 22.13 | 2.40       | 40.04          | 21.50 | 2.63       | 38.23          | 20.84 | 2.89       | 36.29          | 20.14 | 3.20       | 34.20          | 19.39 | 3.56       | 31.92          | 18.59 | 3.99       |
|                                                                     | 67.0 (19.4)   | 37.81                                       | 27.71 | 2.39       | 36.26          | 27.08 | 2.62       | 34.60          | 26.40 | 2.88       | 32.83          | 25.68 | 3.19       | 30.92          | 24.91 | 3.55       | 28.85          | 24.08 | 3.98       |
|                                                                     | 63.0 (17.2)†† | 35.00                                       | 26.55 | 2.38       | 33.52          | 25.90 | 2.61       | 31.97          | 25.22 | 2.88       | 30.32          | 24.50 | 3.19       | 28.54          | 23.72 | 3.55       | 26.61          | 22.88 | 3.98       |
|                                                                     | 62.0 (16.7)   | 34.73                                       | 33.07 | 2.38       | 33.35          | 32.32 | 2.61       | 32.30          | 30.52 | 2.88       | 30.54          | 30.54 | 3.19       | 29.07          | 29.07 | 3.55       | 27.44          | 27.44 | 3.97       |
|                                                                     | 57.0 (13.9)   | 34.28                                       | 34.28 | 2.38       | 33.10          | 33.10 | 2.61       | 31.85          | 31.85 | 2.88       | 30.50          | 30.50 | 3.19       | 29.03          | 29.03 | 3.55       | 27.41          | 27.41 | 3.98       |
| N5H8T36AKAAA Outdoor Section With FTMA5B36LoC Indoor Section - Low  |               |                                             |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
| 720                                                                 | 72.0 (22.2)   | 30.14                                       | 15.19 | 1.47       | 28.65          | 14.64 | 1.64       | 27.10          | 14.07 | 1.81       | 25.54          | 13.49 | 1.97       | 23.85          | 12.86 | 2.13       | 22.12          | 12.27 | 2.30       |
|                                                                     | 67.0 (19.4)   | 27.15                                       | 18.56 | 1.50       | 25.83          | 17.98 | 1.66       | 24.45          | 17.43 | 1.83       | 23.01          | 16.83 | 1.99       | 21.48          | 16.20 | 2.16       | 19.85          | 15.54 | 2.33       |
|                                                                     | 63.0 (17.2)†† | 25.02                                       | 17.77 | 1.53       | 23.81          | 17.23 | 1.69       | 22.53          | 16.67 | 1.84       | 21.18          | 16.07 | 2.01       | 19.73          | 15.43 | 2.17       | 18.93          | 15.43 | 2.33       |
|                                                                     | 62.0 (16.7)   | 24.61                                       | 21.85 | 1.53       | 23.45          | 21.28 | 1.69       | 22.24          | 20.68 | 1.85       | 20.96          | 20.02 | 2.01       | 19.67          | 19.67 | 2.17       | 18.43          | 18.43 | 2.34       |
|                                                                     | 57.0 (13.9)   | 23.78                                       | 23.78 | 1.54       | 22.85          | 22.85 | 1.70       | 21.86          | 21.86 | 1.85       | 20.79          | 20.79 | 2.01       | 19.64          | 19.64 | 2.17       | 18.39          | 18.39 | 2.34       |
| 840                                                                 | 72.0 (22.2)   | 30.89                                       | 16.13 | 1.49       | 29.31          | 15.55 | 1.66       | 27.71          | 14.97 | 1.83       | 26.05          | 14.40 | 1.99       | 24.29          | 13.72 | 2.15       | 22.50          | 13.13 | 2.32       |
|                                                                     | 67.0 (19.4)   | 27.87                                       | 20.04 | 1.52       | 26.47          | 19.46 | 1.68       | 25.03          | 18.87 | 1.84       | 23.52          | 18.26 | 2.01       | 21.93          | 17.62 | 2.17       | 20.25          | 16.94 | 2.34       |
|                                                                     | 63.0 (17.2)†† | 25.69                                       | 19.16 | 1.54       | 24.41          | 18.60 | 1.70       | 23.09          | 18.00 | 1.86       | 21.66          | 17.42 | 2.02       | 20.17          | 16.74 | 2.19       | 18.58          | 16.05 | 2.36       |
|                                                                     | 62.0 (16.7)   | 25.44                                       | 23.83 | 1.54       | 24.24          | 23.19 | 1.70       | 23.08          | 23.06 | 1.86       | 21.89          | 21.89 | 2.02       | 20.66          | 20.66 | 2.18       | 19.33          | 19.33 | 2.35       |
|                                                                     | 57.0 (13.9)   | 25.11                                       | 25.11 | 1.55       | 24.09          | 24.09 | 1.71       | 23.01          | 23.01 | 1.86       | 21.86          | 21.86 | 2.02       | 20.63          | 20.63 | 2.18       | 19.31          | 19.31 | 2.34       |
| 965                                                                 | 72.0 (22.2)   | 31.46                                       | 17.05 | 1.51       | 29.81          | 16.46 | 1.68       | 28.15          | 15.86 | 1.85       | 26.39          | 15.23 | 2.01       | 24.65          | 14.64 | 2.17       | 22.77          | 13.99 | 2.34       |
|                                                                     | 67.0 (19.4)   | 28.42                                       | 21.52 | 1.54       | 26.96          | 20.92 | 1.70       | 25.47          | 20.31 | 1.86       | 23.91          | 19.68 | 2.03       | 22.29          | 19.01 | 2.19       | 20.58          | 18.30 | 2.36       |
|                                                                     | 63.0 (17.2)†† | 26.22                                       | 20.53 | 1.56       | 24.89          | 19.95 | 1.72       | 23.50          | 19.35 | 1.88       | 22.05          | 18.70 | 2.04       | 20.53          | 18.03 | 2.21       | 18.91          | 17.29 | 2.38       |
|                                                                     | 62.0 (16.7)   | 26.47                                       | 25.01 | 1.56       | 25.16          | 25.16 | 1.72       | 24.00          | 24.00 | 1.88       | 22.77          | 22.77 | 2.04       | 21.46          | 21.46 | 2.20       | 20.06          | 20.06 | 2.36       |
|                                                                     | 57.0 (13.9)   | 26.23                                       | 26.23 | 1.56       | 25.12          | 25.12 | 1.72       | 23.96          | 23.96 | 1.88       | 22.74          | 22.74 | 2.04       | 21.43          | 21.43 | 2.20       | 20.03          | 20.02 | 2.36       |

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Detailed Cooling Capacities# (Continued)

| EVAPORATOR AIR                                                      |               | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
|---------------------------------------------------------------------|---------------|---------------------------------------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|
|                                                                     |               | 75.0 (23.9)                                 |       |            | 85.0 (29.4)    |       |            | 95.0 (35.0)    |       |            | 105.0 (40.6)   |       |            | 115.0 (46.1)   |       |            | 125.0 (51.7)   |       |            |
|                                                                     |               | Capacity MBtuh                              |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. |
| CFM                                                                 | EWB           | Total                                       | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       |
| N5H8T48AKAAA Outdoor Section With FTMA5B60L0D Indoor Section - High |               |                                             |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
| 1300                                                                | 72.0 (22.2)   | 57.73                                       | 29.25 | 2.96       | 55.53          | 28.41 | 3.24       | 53.12          | 27.50 | 3.60       | 50.51          | 26.52 | 4.02       | 47.69          | 25.48 | 4.49       | 44.64          | 24.36 | 5.03       |
|                                                                     | 67.0 (19.4)   | 52.13                                       | 35.59 | 2.91       | 50.12          | 34.74 | 3.20       | 47.90          | 33.80 | 3.56       | 45.50          | 32.80 | 3.99       | 42.91          | 31.75 | 4.47       | 40.13          | 30.62 | 5.01       |
|                                                                     | 63.0 (17.2)†† | 48.19                                       | 34.21 | 2.88       | 46.25          | 33.33 | 3.18       | 44.16          | 32.39 | 3.54       | 41.92          | 31.39 | 3.97       | 39.51          | 30.33 | 4.46       | 36.94          | 29.21 | 4.99       |
|                                                                     | 62.0 (16.7)   | 47.28                                       | 41.82 | 2.88       | 45.39          | 40.93 | 3.17       | 43.37          | 39.97 | 3.54       | 41.21          | 38.94 | 3.97       | 38.93          | 37.82 | 4.45       | 36.62          | 36.62 | 4.99       |
|                                                                     | 57.0 (13.9)   | 45.18                                       | 45.18 | 2.86       | 43.72          | 43.72 | 3.16       | 42.13          | 42.13 | 3.53       | 40.42          | 40.42 | 3.96       | 38.56          | 38.56 | 4.45       | 36.56          | 36.56 | 4.99       |
| 1400                                                                | 72.0 (22.2)   | 58.49                                       | 30.10 | 3.00       | 56.23          | 29.24 | 3.28       | 53.74          | 28.35 | 3.63       | 51.08          | 27.33 | 4.04       | 48.19          | 26.28 | 4.52       | 45.07          | 25.16 | 5.06       |
|                                                                     | 67.0 (19.4)   | 52.84                                       | 36.91 | 2.95       | 50.75          | 36.03 | 3.23       | 48.50          | 35.10 | 3.59       | 46.04          | 34.09 | 4.02       | 43.39          | 33.02 | 4.50       | 40.55          | 31.88 | 5.03       |
|                                                                     | 63.0 (17.2)†† | 48.85                                       | 35.43 | 2.91       | 46.87          | 34.54 | 3.21       | 44.73          | 33.59 | 3.57       | 42.43          | 32.58 | 4.00       | 39.96          | 31.50 | 4.48       | 37.33          | 30.37 | 5.02       |
|                                                                     | 62.0 (16.7)   | 48.00                                       | 43.61 | 2.91       | 46.08          | 42.70 | 3.20       | 44.02          | 41.71 | 3.57       | 41.84          | 40.62 | 3.99       | 39.60          | 39.60 | 4.48       | 37.50          | 37.50 | 5.02       |
|                                                                     | 57.0 (13.9)   | 46.42                                       | 46.42 | 2.90       | 44.90          | 44.90 | 3.20       | 43.25          | 43.25 | 3.56       | 41.46          | 41.46 | 3.99       | 39.53          | 39.53 | 4.48       | 37.44          | 37.44 | 5.02       |
| 1600                                                                | 72.0 (22.2)   | 59.71                                       | 31.70 | 3.06       | 57.35          | 30.83 | 3.34       | 54.78          | 29.89 | 3.69       | 51.99          | 28.88 | 4.10       | 48.97          | 27.83 | 4.58       | 45.74          | 26.66 | 5.11       |
|                                                                     | 67.0 (19.4)   | 54.00                                       | 39.47 | 3.01       | 51.82          | 38.57 | 3.29       | 49.47          | 37.62 | 3.65       | 46.91          | 36.59 | 4.07       | 44.17          | 35.50 | 4.55       | 41.24          | 34.31 | 5.09       |
|                                                                     | 63.0 (17.2)†† | 49.93                                       | 37.81 | 2.97       | 47.87          | 36.90 | 3.26       | 45.64          | 35.93 | 3.63       | 43.25          | 34.89 | 4.05       | 40.69          | 33.80 | 4.53       | 37.97          | 32.63 | 5.07       |
|                                                                     | 62.0 (16.7)   | 49.28                                       | 47.03 | 2.97       | 47.33          | 46.03 | 3.26       | 45.58          | 44.19 | 3.63       | 43.36          | 43.36 | 4.05       | 41.28          | 41.28 | 4.54       | 39.04          | 39.04 | 5.08       |
|                                                                     | 57.0 (13.9)   | 48.59                                       | 48.59 | 2.96       | 46.97          | 46.97 | 3.26       | 45.20          | 45.20 | 3.62       | 43.28          | 43.28 | 4.05       | 41.22          | 41.22 | 4.54       | 38.98          | 38.98 | 5.08       |
| N5H8T48AKAAA Outdoor Section With FTMA5B50L0D Indoor Section - Low  |               |                                             |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
| 960                                                                 | 72.0 (22.2)   | 41.87                                       | 21.35 | 1.76       | 39.64          | 20.49 | 2.03       | 37.34          | 19.63 | 2.34       | 34.94          | 18.76 | 2.68       | 32.49          | 17.83 | 3.07       | 30.00          | 16.92 | 3.49       |
|                                                                     | 67.0 (19.4)   | 37.63                                       | 25.97 | 1.80       | 35.55          | 25.08 | 2.07       | 33.33          | 24.13 | 2.37       | 30.98          | 23.21 | 2.72       | 28.54          | 22.11 | 3.10       | 25.99          | 21.04 | 3.54       |
|                                                                     | 63.0 (17.2)†† | 34.51                                       | 24.82 | 1.83       | 32.56          | 23.93 | 2.10       | 30.43          | 22.95 | 2.40       | 28.12          | 21.92 | 2.74       | 25.66          | 20.83 | 3.13       | 23.10          | 19.69 | 3.56       |
|                                                                     | 62.0 (16.7)   | 33.78                                       | 30.45 | 1.84       | 31.90          | 29.51 | 2.11       | 29.83          | 28.48 | 2.41       | 27.65          | 27.52 | 2.75       | 25.68          | 25.68 | 3.13       | 23.72          | 23.72 | 3.56       |
|                                                                     | 57.0 (13.9)   | 32.49                                       | 32.49 | 1.85       | 31.00          | 31.00 | 2.12       | 29.33          | 29.33 | 2.41       | 27.53          | 27.53 | 2.75       | 25.63          | 25.62 | 3.13       | 23.59          | 23.58 | 3.57       |
| 1120                                                                | 72.0 (22.2)   | 43.00                                       | 22.73 | 1.77       | 40.67          | 21.83 | 2.05       | 38.28          | 20.97 | 2.35       | 35.83          | 20.08 | 2.70       | 33.31          | 19.17 | 3.08       | 30.70          | 18.23 | 3.52       |
|                                                                     | 67.0 (19.4)   | 38.73                                       | 28.15 | 1.82       | 36.55          | 27.22 | 2.09       | 34.25          | 26.25 | 2.39       | 31.84          | 25.24 | 2.73       | 29.33          | 24.19 | 3.12       | 26.72          | 23.11 | 3.56       |
|                                                                     | 63.0 (17.2)†† | 35.57                                       | 26.87 | 1.85       | 33.53          | 25.93 | 2.12       | 31.30          | 24.94 | 2.42       | 28.93          | 23.87 | 2.76       | 26.43          | 22.76 | 3.15       | 23.83          | 21.60 | 3.58       |
|                                                                     | 62.0 (16.7)   | 34.99                                       | 33.38 | 1.85       | 33.06          | 32.76 | 2.12       | 31.15          | 31.15 | 2.42       | 29.25          | 29.25 | 2.76       | 27.28          | 27.28 | 3.14       | 25.25          | 25.25 | 3.57       |
|                                                                     | 57.0 (13.9)   | 34.50                                       | 34.50 | 1.86       | 32.87          | 32.87 | 2.12       | 31.09          | 31.09 | 2.42       | 29.20          | 29.20 | 2.76       | 27.24          | 27.24 | 3.14       | 25.13          | 25.13 | 3.57       |
| 1280                                                                | 72.0 (22.2)   | 43.82                                       | 24.02 | 1.79       | 41.41          | 23.15 | 2.06       | 38.97          | 22.26 | 2.37       | 36.47          | 21.36 | 2.72       | 33.90          | 20.36 | 3.10       | 31.24          | 19.49 | 3.54       |
|                                                                     | 67.0 (19.4)   | 39.56                                       | 30.24 | 1.83       | 37.30          | 29.29 | 2.10       | 34.95          | 28.29 | 2.41       | 32.50          | 27.26 | 2.75       | 29.96          | 26.19 | 3.14       | 27.36          | 25.08 | 3.57       |
|                                                                     | 63.0 (17.2)†† | 36.37                                       | 28.82 | 1.87       | 34.25          | 27.86 | 2.14       | 31.97          | 26.84 | 2.44       | 29.56          | 25.75 | 2.78       | 27.03          | 24.61 | 3.17       | 24.43          | 23.39 | 3.60       |
|                                                                     | 62.0 (16.7)   | 36.41                                       | 35.31 | 1.86       | 34.49          | 34.49 | 2.13       | 32.63          | 32.63 | 2.43       | 30.65          | 30.65 | 2.77       | 28.60          | 28.60 | 3.15       | 26.49          | 26.49 | 3.58       |
|                                                                     | 57.0 (13.9)   | 36.18                                       | 36.18 | 1.87       | 34.43          | 34.43 | 2.13       | 32.56          | 32.56 | 2.43       | 30.58          | 30.58 | 2.77       | 28.53          | 28.53 | 3.15       | 26.45          | 26.45 | 3.58       |

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

Detailed Cooling Capacities<sup>#</sup> (Continued)

| EVAPORATOR AIR                                                      |               | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
|---------------------------------------------------------------------|---------------|---------------------------------------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|----------------|-------|------------|
|                                                                     |               | 75.0 (23.9)                                 |       |            | 85.0 (29.4)    |       |            | 95.0 (35.0)    |       |            | 105.0 (40.6)   |       |            | 115.0 (46.1)   |       |            | 125.0 (51.7)   |       |            |
|                                                                     |               | Capacity MBtuh                              |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. | Capacity MBtuh |       | Total Sys. |
| CFM                                                                 | EWB           | Total                                       | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       | Total          | Sens‡ | KW**       |
| N5H8T60AKAAA Outdoor Section With FTMA5B60L0D Indoor Section - High |               |                                             |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
| 1625                                                                | 72.0 (22.2)   | 68.81                                       | 35.58 | 3.76       | 65.86          | 34.44 | 4.15       | 62.69          | 33.23 | 4.60       | 59.24          | 31.93 | 5.12       | 55.35          | 30.45 | 5.72       | 51.28          | 29.00 | 6.41       |
|                                                                     | 67.0 (19.4)   | 62.45                                       | 43.70 | 3.72       | 59.77          | 42.57 | 4.11       | 56.91          | 41.35 | 4.56       | 53.79          | 40.05 | 5.07       | 50.38          | 38.65 | 5.67       | 46.63          | 37.12 | 6.35       |
|                                                                     | 63.0 (17.2)†† | 57.83                                       | 42.02 | 3.69       | 55.35          | 40.89 | 4.08       | 52.70          | 39.68 | 4.53       | 49.82          | 38.39 | 5.04       | 46.68          | 37.00 | 5.63       | 43.23          | 35.49 | 6.31       |
|                                                                     | 62.0 (16.7)   | 56.86                                       | 51.66 | 3.69       | 54.47          | 50.48 | 4.08       | 51.91          | 49.26 | 4.52       | 49.17          | 47.89 | 5.04       | 46.70          | 45.25 | 5.63       | 43.36          | 43.36 | 6.30       |
|                                                                     | 57.0 (13.9)   | 54.78                                       | 54.78 | 3.68       | 52.89          | 52.89 | 4.07       | 50.84          | 50.84 | 4.52       | 48.60          | 48.60 | 5.03       | 46.11          | 46.11 | 5.63       | 43.33          | 43.33 | 6.31       |
| 1750                                                                | 72.0 (22.2)   | 69.58                                       | 36.55 | 3.80       | 66.55          | 35.40 | 4.19       | 63.29          | 34.18 | 4.64       | 59.77          | 32.86 | 5.16       | 55.89          | 31.44 | 5.76       | 51.64          | 29.90 | 6.46       |
|                                                                     | 67.0 (19.4)   | 63.19                                       | 45.28 | 3.76       | 60.44          | 44.13 | 4.15       | 57.50          | 42.90 | 4.60       | 54.31          | 41.59 | 5.12       | 50.77          | 40.21 | 5.71       | 46.99          | 38.61 | 6.40       |
|                                                                     | 63.0 (17.2)†† | 58.53                                       | 43.49 | 3.74       | 55.98          | 42.35 | 4.13       | 53.27          | 41.12 | 4.57       | 50.32          | 39.81 | 5.09       | 47.11          | 38.41 | 5.68       | 43.59          | 36.87 | 6.36       |
|                                                                     | 62.0 (16.7)   | 57.67                                       | 53.81 | 3.73       | 55.23          | 52.62 | 4.12       | 52.64          | 51.32 | 4.57       | 50.21          | 49.11 | 5.09       | 47.19          | 47.19 | 5.68       | 44.29          | 44.29 | 6.37       |
|                                                                     | 57.0 (13.9)   | 56.18                                       | 56.18 | 3.72       | 54.21          | 54.21 | 4.12       | 52.07          | 52.07 | 4.56       | 49.72          | 49.72 | 5.08       | 47.13          | 47.13 | 5.68       | 44.22          | 44.22 | 6.37       |
| 2000                                                                | 72.0 (22.2)   | 70.80                                       | 38.40 | 3.89       | 67.64          | 37.23 | 4.28       | 64.24          | 35.98 | 4.73       | 60.57          | 34.64 | 5.25       | 56.55          | 33.20 | 5.85       | 52.06          | 31.60 | 6.54       |
|                                                                     | 67.0 (19.4)   | 64.37                                       | 48.33 | 3.85       | 61.50          | 47.15 | 4.24       | 58.44          | 45.90 | 4.69       | 55.12          | 44.54 | 5.20       | 51.49          | 43.07 | 5.80       | 47.56          | 41.48 | 6.49       |
|                                                                     | 63.0 (17.2)†† | 59.65                                       | 46.32 | 3.82       | 57.01          | 45.15 | 4.21       | 54.18          | 43.90 | 4.66       | 51.12          | 42.55 | 5.17       | 47.80          | 41.10 | 5.76       | 44.17          | 39.51 | 6.45       |
|                                                                     | 62.0 (16.7)   | 59.10                                       | 57.82 | 3.82       | 56.65          | 56.65 | 4.21       | 54.22          | 54.22 | 4.66       | 51.69          | 51.69 | 5.18       | 48.89          | 48.89 | 5.78       | 45.77          | 45.77 | 6.47       |
|                                                                     | 57.0 (13.9)   | 58.56                                       | 58.56 | 3.82       | 56.43          | 56.43 | 4.21       | 54.14          | 54.14 | 4.66       | 51.62          | 51.62 | 5.18       | 48.83          | 48.83 | 5.77       | 45.71          | 45.71 | 6.47       |
| N5H8T60AKAAA Outdoor Section With FTMA5B60L0D Indoor Section - Low  |               |                                             |       |            |                |       |            |                |       |            |                |       |            |                |       |            |                |       |            |
| 1200                                                                | 72.0 (22.2)   | 50.30                                       | 25.87 | 2.15       | 48.23          | 25.17 | 2.45       | 45.83          | 24.62 | 2.78       | 43.27          | 23.43 | 3.13       | 40.23          | 22.39 | 3.52       | 36.69          | 21.20 | 3.92       |
|                                                                     | 67.0 (19.4)   | 45.26                                       | 31.84 | 2.19       | 43.34          | 31.10 | 2.49       | 41.20          | 30.29 | 2.82       | 38.34          | 29.03 | 3.16       | 35.97          | 28.37 | 3.55       | 32.81          | 27.16 | 3.96       |
|                                                                     | 63.0 (17.2)†† | 41.66                                       | 30.46 | 2.23       | 39.84          | 29.72 | 2.53       | 37.82          | 28.89 | 2.85       | 35.53          | 27.96 | 3.20       | 32.92          | 26.90 | 3.58       | 29.92          | 25.68 | 3.99       |
|                                                                     | 62.0 (16.7)   | 40.93                                       | 37.66 | 2.23       | 39.18          | 36.91 | 2.53       | 37.29          | 36.02 | 2.85       | 35.36          | 35.36 | 3.20       | 33.31          | 33.31 | 3.57       | 30.95          | 30.95 | 3.98       |
|                                                                     | 57.0 (13.9)   | 39.95                                       | 39.95 | 2.24       | 38.58          | 38.58 | 2.54       | 37.04          | 37.04 | 2.85       | 35.29          | 35.28 | 3.20       | 33.25          | 33.25 | 3.57       | 30.90          | 30.90 | 3.98       |
| 1400                                                                | 72.0 (22.2)   | 51.49                                       | 27.60 | 2.18       | 49.33          | 26.84 | 2.48       | 46.89          | 26.01 | 2.81       | 44.16          | 25.09 | 3.16       | 40.95          | 24.02 | 3.55       | 37.35          | 22.83 | 3.96       |
|                                                                     | 67.0 (19.4)   | 46.40                                       | 34.51 | 2.22       | 44.40          | 33.78 | 2.52       | 42.15          | 32.95 | 2.85       | 39.61          | 32.02 | 3.20       | 36.73          | 30.94 | 3.58       | 33.47          | 29.72 | 3.99       |
|                                                                     | 63.0 (17.2)†† | 42.75                                       | 32.95 | 2.25       | 40.85          | 32.19 | 2.55       | 38.74          | 31.35 | 2.88       | 36.35          | 30.40 | 3.23       | 33.64          | 29.32 | 3.60       | 30.59          | 28.06 | 4.02       |
|                                                                     | 62.0 (16.7)   | 42.33                                       | 42.06 | 2.26       | 40.75          | 40.75 | 2.55       | 39.09          | 39.09 | 2.87       | 37.16          | 37.16 | 3.22       | 34.98          | 34.98 | 3.59       | 32.44          | 32.44 | 4.00       |
|                                                                     | 57.0 (13.9)   | 42.16                                       | 42.16 | 2.26       | 40.68          | 40.68 | 2.55       | 39.03          | 39.03 | 2.87       | 37.13          | 37.13 | 3.22       | 34.93          | 34.93 | 3.59       | 32.39          | 32.39 | 4.00       |
| 1600                                                                | 72.0 (22.2)   | 52.41                                       | 29.18 | 2.21       | 50.15          | 28.44 | 2.52       | 47.63          | 27.60 | 2.84       | 44.78          | 26.67 | 3.20       | 41.46          | 25.60 | 3.58       | 37.74          | 24.49 | 3.99       |
|                                                                     | 67.0 (19.4)   | 47.28                                       | 37.09 | 2.25       | 45.20          | 36.34 | 2.55       | 42.90          | 35.52 | 2.88       | 40.22          | 34.51 | 3.23       | 37.33          | 33.44 | 3.61       | 34.02          | 32.12 | 4.02       |
|                                                                     | 63.0 (17.2)†† | 43.58                                       | 35.33 | 2.28       | 41.62          | 34.56 | 2.58       | 39.45          | 33.71 | 2.91       | 37.00          | 32.73 | 3.26       | 34.24          | 31.59 | 3.63       | 31.14          | 30.14 | 4.04       |
|                                                                     | 62.0 (16.7)   | 44.07                                       | 44.07 | 2.28       | 42.49          | 42.49 | 2.57       | 40.73          | 40.73 | 2.89       | 38.69          | 38.69 | 3.24       | 36.35          | 36.35 | 3.61       | 33.62          | 33.62 | 4.02       |
|                                                                     | 57.0 (13.9)   | 44.00                                       | 44.00 | 2.28       | 42.43          | 42.43 | 2.57       | 40.67          | 40.67 | 2.89       | 38.64          | 38.64 | 3.24       | 36.30          | 36.30 | 3.61       | 33.60          | 33.60 | 4.02       |

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.  
‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).  
\*\*System kw is total of indoor and outdoor unit kilowatts.  
††At TVA rating indoor condition (75°F edb/63°F ewb). All other indoor air temperatures are at 80°F edb.  
# Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-2020. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
EWB — Entering Wet Bulb  
NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

HEAT PUMP HEATING PERFORMANCE

| INDOOR AIR                                                          |      | OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C) |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
|---------------------------------------------------------------------|------|------------------------------------------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|
|                                                                     |      | -3.0 (-19.4)                                   |        |                | 7.0 (-13.9)    |        |                | 17.0 (-8.3)    |        |                | 27.0 (-2.8)    |        |                | 37.0 (2.8)     |        |                | 47.0 (8.3)     |        |                | 57.0 (13.9)    |        |                | 67.0 (19.4)    |        |                |
| EDB                                                                 | CFM  | Capacity MBtuh                                 |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† |
|                                                                     |      | Total                                          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                |
| N5H8T24AKAAA Outdoor Section With FTMA5X24L0B Indoor Section - High |      |                                                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
| 65.0 (18.3)                                                         | 650  | 8.94                                           | 8.22   | 1.30           | 11.48          | 10.55  | 1.37           | 14.50          | 13.22  | 1.45           | 17.42          | 15.47  | 1.52           | 20.75          | 18.88  | 1.61           | 24.63          | 24.63  | 1.72           | 29.00          | 29.00  | 1.86           | 33.71          | 33.71  | 2.01           |
|                                                                     | 700  | 9.02                                           | 8.30   | 1.31           | 11.58          | 10.65  | 1.37           | 14.64          | 13.35  | 1.45           | 17.54          | 15.58  | 1.52           | 20.91          | 19.03  | 1.60           | 24.82          | 24.82  | 1.70           | 29.25          | 29.25  | 1.83           | 33.91          | 33.91  | 1.96           |
|                                                                     | 805  | 9.19                                           | 8.46   | 1.32           | 11.73          | 10.78  | 1.38           | 14.77          | 13.47  | 1.45           | 17.76          | 15.77  | 1.51           | 21.20          | 19.29  | 1.58           | 25.16          | 25.16  | 1.68           | 29.66          | 29.66  | 1.80           | 34.22          | 34.22  | 1.91           |
| 70.0 (21.1)                                                         | 650  | 8.63                                           | 7.94   | 1.36           | 11.14          | 10.24  | 1.43           | 14.15          | 12.90  | 1.51           | 17.22          | 15.30  | 1.60           | 20.46          | 18.62  | 1.69           | 24.26          | 24.26  | 1.80           | 28.57          | 28.57  | 1.94           | 33.32          | 33.32  | 2.12           |
|                                                                     | 700  | 8.71                                           | 8.02   | 1.36           | 11.24          | 10.33  | 1.43           | 14.41          | 13.14  | 1.52           | 17.33          | 15.39  | 1.59           | 20.61          | 18.76  | 1.67           | 24.46          | 24.46  | 1.78           | 28.82          | 28.82  | 1.92           | 33.53          | 33.53  | 2.06           |
|                                                                     | 805  | 8.88                                           | 8.17   | 1.38           | 11.43          | 10.50  | 1.44           | 14.60          | 13.31  | 1.52           | 17.53          | 15.57  | 1.58           | 20.89          | 19.01  | 1.66           | 24.80          | 24.80  | 1.76           | 29.23          | 29.23  | 1.88           | 33.72          | 33.72  | 1.98           |
| 75.0 (23.9)                                                         | 650  | 8.32                                           | 7.65   | 1.41           | 10.82          | 9.94   | 1.49           | 13.68          | 12.47  | 1.58           | 16.97          | 15.07  | 1.67           | 20.18          | 18.36  | 1.77           | 23.91          | 23.91  | 1.89           | 28.16          | 28.16  | 2.03           | 32.87          | 32.87  | 2.22           |
|                                                                     | 700  | 8.40                                           | 7.73   | 1.42           | 10.91          | 10.03  | 1.49           | 13.80          | 12.58  | 1.58           | 17.08          | 15.17  | 1.66           | 20.32          | 18.49  | 1.75           | 24.10          | 24.10  | 1.87           | 28.40          | 28.40  | 2.01           | 33.15          | 33.15  | 2.18           |
|                                                                     | 805  | 8.56                                           | 7.87   | 1.44           | 11.10          | 10.20  | 1.50           | 14.03          | 12.79  | 1.58           | 17.29          | 15.35  | 1.66           | 20.59          | 18.74  | 1.74           | 24.44          | 24.44  | 1.84           | 28.80          | 28.80  | 1.97           | 33.38          | 33.38  | 2.09           |
| N5H8T24AKAAA Outdoor Section With FTMA5X24L0B Indoor Section - Low  |      |                                                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
| 65.0 (18.3)                                                         | 480  | 5.15                                           | 4.73   | 0.97           | 6.62           | 6.08   | 1.03           | 8.80           | 8.03   | 1.06           | 11.18          | 9.93   | 1.10           | 14.04          | 12.77  | 1.15           | 16.56          | 16.56  | 1.18           | 19.38          | 19.38  | 1.23           | 22.50          | 22.50  | 1.28           |
|                                                                     | 560  | 5.26                                           | 4.83   | 0.98           | 6.76           | 6.21   | 1.03           | 8.97           | 8.18   | 1.06           | 11.38          | 10.11  | 1.08           | 14.25          | 12.97  | 1.12           | 16.85          | 16.85  | 1.14           | 19.76          | 19.76  | 1.18           | 22.97          | 22.97  | 1.22           |
|                                                                     | 645  | 5.39                                           | 4.95   | 0.99           | 6.88           | 6.32   | 1.04           | 9.12           | 8.31   | 1.06           | 11.55          | 10.26  | 1.08           | 14.41          | 13.11  | 1.10           | 17.08          | 17.08  | 1.12           | 20.07          | 20.07  | 1.14           | 23.37          | 23.37  | 1.17           |
| 70.0 (21.1)                                                         | 480  | 4.87                                           | 4.48   | 1.02           | 6.29           | 5.78   | 1.08           | 8.47           | 7.73   | 1.12           | 10.80          | 9.59   | 1.15           | 13.32          | 12.12  | 1.19           | 16.28          | 16.28  | 1.25           | 19.05          | 19.05  | 1.30           | 22.13          | 22.13  | 1.36           |
|                                                                     | 560  | 4.98                                           | 4.58   | 1.02           | 6.43           | 5.91   | 1.08           | 8.65           | 7.89   | 1.11           | 11.01          | 9.78   | 1.14           | 13.77          | 12.53  | 1.17           | 16.56          | 16.56  | 1.21           | 19.42          | 19.42  | 1.24           | 22.57          | 22.57  | 1.29           |
|                                                                     | 645  | 5.08                                           | 4.68   | 1.04           | 6.55           | 6.02   | 1.09           | 8.80           | 8.02   | 1.11           | 11.23          | 9.98   | 1.13           | 14.20          | 12.92  | 1.17           | 16.80          | 16.80  | 1.18           | 19.73          | 19.73  | 1.21           | 22.97          | 22.97  | 1.24           |
| 75.0 (23.9)                                                         | 480  | 4.52                                           | 4.17   | 1.06           | 5.89           | 5.42   | 1.13           | 8.10           | 7.39   | 1.17           | 10.43          | 9.27   | 1.21           | 12.94          | 11.77  | 1.25           | 16.00          | 16.00  | 1.32           | 18.71          | 18.71  | 1.37           | 21.69          | 21.69  | 1.43           |
|                                                                     | 560  | 4.64                                           | 4.26   | 1.07           | 6.03           | 5.54   | 1.13           | 8.28           | 7.55   | 1.17           | 10.65          | 9.46   | 1.20           | 13.29          | 12.09  | 1.23           | 16.28          | 16.28  | 1.28           | 19.08          | 19.08  | 1.32           | 22.22          | 22.22  | 1.37           |
|                                                                     | 645  | 4.79                                           | 4.40   | 1.09           | 6.22           | 5.71   | 1.14           | 8.48           | 7.73   | 1.17           | 10.89          | 9.67   | 1.19           | 13.53          | 12.31  | 1.22           | 16.51          | 16.51  | 1.25           | 19.39          | 19.39  | 1.28           | 22.62          | 22.62  | 1.32           |
| N5H8T36AKAAA Outdoor Section With FTMA5B36L0C Indoor Section - High |      |                                                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
| 65.0 (18.3)                                                         | 975  | 15.26                                          | 14.03  | 2.08           | 19.03          | 17.48  | 2.21           | 23.28          | 21.23  | 2.35           | 27.38          | 24.32  | 2.49           | 32.04          | 29.16  | 2.65           | 37.30          | 37.30  | 2.85           | 43.16          | 43.16  | 3.08           | 49.81          | 49.81  | 3.40           |
|                                                                     | 1050 | 15.39                                          | 14.16  | 2.09           | 19.18          | 17.63  | 2.21           | 23.41          | 21.34  | 2.35           | 27.55          | 24.47  | 2.48           | 32.25          | 29.35  | 2.64           | 37.55          | 37.55  | 2.82           | 43.47          | 43.47  | 3.06           | 50.24          | 50.24  | 3.36           |
|                                                                     | 1205 | 15.65                                          | 14.39  | 2.12           | 19.50          | 17.92  | 2.23           | 23.68          | 21.59  | 2.36           | 27.86          | 24.75  | 2.48           | 32.63          | 29.69  | 2.63           | 38.00          | 38.00  | 2.80           | 44.01          | 44.01  | 3.02           | 50.91          | 50.91  | 3.33           |
| 70.0 (21.1)                                                         | 975  | 14.82                                          | 13.64  | 2.17           | 18.58          | 17.07  | 2.30           | 23.01          | 20.98  | 2.46           | 27.05          | 24.03  | 2.61           | 31.64          | 28.79  | 2.77           | 36.81          | 36.81  | 2.97           | 42.57          | 42.57  | 3.22           | 49.03          | 49.03  | 3.54           |
|                                                                     | 1050 | 14.96                                          | 13.76  | 2.18           | 18.73          | 17.21  | 2.31           | 23.14          | 21.10  | 2.46           | 27.22          | 24.17  | 2.60           | 31.84          | 28.97  | 2.76           | 37.06          | 37.06  | 2.95           | 42.88          | 42.88  | 3.19           | 49.45          | 49.45  | 3.50           |
|                                                                     | 1205 | 15.21                                          | 13.99  | 2.21           | 19.02          | 17.48  | 2.33           | 23.40          | 21.34  | 2.47           | 27.52          | 24.44  | 2.59           | 32.21          | 29.31  | 2.74           | 37.50          | 37.50  | 2.92           | 43.41          | 43.41  | 3.15           | 50.11          | 50.11  | 3.46           |
| 75.0 (23.9)                                                         | 975  | 14.37                                          | 13.22  | 2.26           | 18.14          | 16.67  | 2.40           | 22.74          | 20.73  | 2.58           | 26.73          | 23.74  | 2.73           | 31.24          | 28.43  | 2.90           | 36.32          | 36.32  | 3.11           | 41.99          | 41.99  | 3.37           | 48.28          | 48.28  | 3.70           |
|                                                                     | 1050 | 14.51                                          | 13.35  | 2.27           | 18.29          | 16.81  | 2.41           | 22.88          | 20.86  | 2.58           | 26.89          | 23.88  | 2.72           | 31.43          | 28.60  | 2.88           | 36.57          | 36.57  | 3.08           | 42.29          | 42.29  | 3.33           | 48.91          | 48.91  | 3.67           |
|                                                                     | 1205 | 14.77                                          | 13.59  | 2.30           | 18.57          | 17.07  | 2.42           | 23.13          | 21.09  | 2.58           | 27.18          | 24.14  | 2.71           | 31.79          | 28.93  | 2.87           | 37.00          | 37.00  | 3.05           | 42.82          | 42.82  | 3.29           | 49.32          | 49.32  | 3.61           |
| N5H8T36AKAAA Outdoor Section With FTMA5B36L0C Indoor Section - Low  |      |                                                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
| 65.0 (18.3)                                                         | 720  | 9.71                                           | 8.94   | 1.63           | 12.12          | 11.14  | 1.74           | 15.27          | 13.93  | 1.81           | 18.73          | 16.63  | 1.87           | 22.62          | 20.59  | 1.96           | 26.09          | 26.09  | 2.02           | 29.86          | 29.86  | 2.11           | 33.92          | 33.92  | 2.23           |
|                                                                     | 840  | 9.91                                           | 9.12   | 1.64           | 12.36          | 11.36  | 1.74           | 15.55          | 14.18  | 1.80           | 19.07          | 16.93  | 1.85           | 22.91          | 20.85  | 1.91           | 26.47          | 26.47  | 1.95           | 30.35          | 30.35  | 2.03           | 34.56          | 34.56  | 2.13           |
|                                                                     | 965  | 10.08                                          | 9.27   | 1.65           | 12.57          | 11.55  | 1.74           | 15.79          | 14.39  | 1.79           | 19.40          | 17.23  | 1.84           | 23.16          | 21.07  | 1.88           | 26.78          | 26.78  | 1.91           | 30.76          | 30.76  | 1.97           | 35.07          | 35.07  | 2.06           |
| 70.0 (21.1)                                                         | 720  | 9.23                                           | 8.50   | 1.71           | 11.58          | 10.64  | 1.82           | 14.77          | 13.47  | 1.90           | 18.22          | 16.18  | 1.97           | 22.29          | 20.29  | 2.07           | 25.71          | 25.71  | 2.14           | 29.41          | 29.41  | 2.23           | 33.41          | 33.41  | 2.36           |
|                                                                     | 840  | 9.44                                           | 8.69   | 1.71           | 11.83          | 10.87  | 1.82           | 15.06          | 13.73  | 1.89           | 18.57          | 16.49  | 1.94           | 22.59          | 20.56  | 2.02           | 26.09          | 26.09  | 2.07           | 29.90          | 29.90  | 2.14           | 34.03          | 34.03  | 2.25           |
|                                                                     | 965  | 9.63                                           | 8.85   | 1.73           | 12.05          | 11.07  | 1.83           | 15.30          | 13.95  | 1.88           | 18.85          | 16.74  | 1.93           | 22.84          | 20.78  | 1.99           | 26.40          | 26.40  | 2.03           | 30.30          | 30.30  | 2.09           | 34.54          | 34.54  | 2.18           |
| 75.0 (23.9)                                                         | 720  | 8.69                                           | 7.99   | 1.79           | 10.97          | 10.08  | 1.91           | 14.21          | 12.96  | 1.99           | 17.68          | 15.70  | 2.07           | 21.89          | 19.92  | 2.19           | 25.33          | 25.33  | 2.26           | 28.97          | 28.97  | 2.35           | 32.90          | 32.90  | 2.48           |
|                                                                     | 840  | 8.90                                           | 8.19   | 1.79           | 11.23          | 10.32  | 1.91           | 14.51          | 13.23  | 1.98           | 18.03          | 16.01  | 2.04           | 22.24          | 20.24  | 2.14           | 25.70          | 25.70  | 2.19           | 29.45          | 29.45  | 2.26           | 33.51          | 33.51  | 2.37           |
|                                                                     | 965  | 9.10                                           | 8.37   | 1.82           | 11.45          | 10.52  | 1.92           | 14.76          | 13.45  | 1.98           | 18.33          | 16.28  | 2.03           | 22.51          | 20.48  | 2.10           | 26.00          | 26.00  | 2.14           | 29.83          | 29.83  | 2.21           | 34.00          | 34.00  | 2.30           |

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

HEAT PUMP HEATING PERFORMANCE (Continued)

| INDOOR AIR                                                          |      | OUTDOOR COIL ENTERING AIR TEMPERATURES °F (°C) |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
|---------------------------------------------------------------------|------|------------------------------------------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|----------------|--------|----------------|
| EDB                                                                 | CFM  | -3.0 (-19.4)                                   |        |                | 7.0 (-13.9)    |        |                | 17.0 (-8.3)    |        |                | 27.0 (-2.8)    |        |                | 37.0 (2.8)     |        |                | 47.0 (8.3)     |        |                | 57.0 (13.9)    |        |                | 67.0 (19.4)    |        |                |
|                                                                     |      | Capacity MBtuh                                 |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† | Capacity MBtuh |        | Total Sys. KW† |
|                                                                     |      | Total                                          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                | Total          | Integ* |                |
| N5H8T48AKAAA Outdoor Section With FTMA5B60L0D Indoor Section - High |      |                                                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
| 65.0 (18.3)                                                         | 1300 | 20.66                                          | 19.00  | 2.63           | 25.60          | 23.53  | 2.77           | 31.31          | 28.54  | 2.93           | 37.04          | 32.90  | 3.08           | 42.67          | 38.83  | 3.25           | 48.81          | 48.81  | 3.45           | 55.47          | 55.47  | 3.69           | 63.07          | 63.07  | 4.02           |
|                                                                     | 1400 | 20.87                                          | 19.20  | 2.64           | 25.84          | 23.74  | 2.77           | 32.06          | 29.23  | 2.93           | 37.26          | 33.10  | 3.06           | 42.95          | 39.09  | 3.21           | 49.16          | 49.16  | 3.40           | 55.91          | 55.91  | 3.64           | 63.69          | 63.69  | 3.95           |
|                                                                     | 1600 | 21.25                                          | 19.55  | 2.66           | 26.26          | 24.13  | 2.78           | 32.44          | 29.58  | 2.92           | 37.67          | 33.46  | 3.04           | 43.47          | 39.56  | 3.18           | 49.75          | 49.75  | 3.34           | 56.66          | 56.66  | 3.56           | 64.63          | 64.63  | 3.86           |
| 70.0 (21.1)                                                         | 1300 | 19.76                                          | 18.18  | 2.75           | 24.79          | 22.78  | 2.90           | 30.34          | 27.66  | 3.06           | 36.54          | 32.46  | 3.25           | 42.11          | 38.32  | 3.41           | 48.16          | 48.16  | 3.62           | 54.69          | 54.69  | 3.87           | 62.09          | 62.09  | 4.20           |
|                                                                     | 1400 | 19.96                                          | 18.37  | 2.76           | 25.01          | 22.99  | 2.90           | 30.60          | 27.90  | 3.05           | 36.76          | 32.65  | 3.22           | 42.38          | 38.57  | 3.38           | 48.50          | 48.50  | 3.57           | 55.11          | 55.11  | 3.81           | 62.69          | 62.69  | 4.13           |
|                                                                     | 1600 | 20.33                                          | 18.71  | 2.78           | 25.43          | 23.37  | 2.91           | 31.09          | 28.35  | 3.04           | 37.16          | 33.01  | 3.19           | 42.85          | 39.00  | 3.33           | 49.08          | 49.08  | 3.51           | 55.86          | 55.86  | 3.73           | 63.64          | 63.64  | 4.03           |
| 75.0 (23.9)                                                         | 1300 | 18.84                                          | 17.33  | 2.88           | 23.98          | 22.04  | 3.04           | 29.54          | 26.94  | 3.21           | 36.10          | 32.07  | 3.42           | 41.58          | 37.84  | 3.59           | 47.53          | 47.53  | 3.80           | 53.95          | 53.95  | 4.06           | 61.13          | 61.13  | 4.40           |
|                                                                     | 1400 | 19.04                                          | 17.52  | 2.89           | 24.20          | 22.24  | 3.04           | 29.79          | 27.16  | 3.20           | 36.29          | 32.23  | 3.39           | 41.83          | 38.06  | 3.56           | 47.87          | 47.87  | 3.75           | 54.37          | 54.37  | 4.00           | 61.71          | 61.71  | 4.32           |
|                                                                     | 1600 | 19.41                                          | 17.86  | 2.91           | 24.59          | 22.60  | 3.05           | 30.25          | 27.58  | 3.19           | 36.66          | 32.56  | 3.36           | 42.28          | 38.48  | 3.51           | 48.42          | 48.42  | 3.68           | 55.07          | 55.07  | 3.91           | 62.64          | 62.64  | 4.22           |
| N5H8T48AKAAA Outdoor Section With FTMA5B60L0D Indoor Section - Low  |      |                                                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
| 65.0 (18.3)                                                         | 960  | 12.24                                          | 11.25  | 2.00           | 15.17          | 13.94  | 2.11           | 19.96          | 18.20  | 2.16           | 24.30          | 21.58  | 2.21           | 28.79          | 26.20  | 2.27           | 33.44          | 33.44  | 2.38           | 36.35          | 36.35  | 2.45           | 38.87          | 38.87  | 2.55           |
|                                                                     | 1120 | 12.15                                          | 11.18  | 2.01           | 15.05          | 13.83  | 2.11           | 20.13          | 18.35  | 2.15           | 24.66          | 21.91  | 2.18           | 29.38          | 26.74  | 2.23           | 34.06          | 34.06  | 2.30           | 37.08          | 37.08  | 2.35           | 39.64          | 39.64  | 2.41           |
|                                                                     | 1280 | 12.13                                          | 11.16  | 2.01           | 15.00          | 13.78  | 2.11           | 20.25          | 18.46  | 2.14           | 24.93          | 22.14  | 2.16           | 29.85          | 27.17  | 2.20           | 34.53          | 34.53  | 2.25           | 37.64          | 37.64  | 2.28           | 40.24          | 40.24  | 2.32           |
| 70.0 (21.1)                                                         | 960  | 12.63                                          | 11.62  | 2.13           | 15.85          | 14.57  | 2.25           | 19.74          | 17.99  | 2.29           | 23.61          | 20.97  | 2.33           | 27.88          | 25.37  | 2.39           | 32.75          | 32.75  | 2.51           | 35.67          | 35.67  | 2.59           | 38.26          | 38.26  | 2.70           |
|                                                                     | 1120 | 12.70                                          | 11.69  | 2.13           | 15.92          | 14.63  | 2.24           | 20.00          | 18.24  | 2.27           | 24.04          | 21.35  | 2.30           | 28.52          | 25.96  | 2.35           | 33.40          | 33.40  | 2.44           | 36.40          | 36.40  | 2.49           | 39.02          | 39.02  | 2.56           |
|                                                                     | 1280 | 12.76                                          | 11.74  | 2.14           | 15.97          | 14.67  | 2.25           | 20.18          | 18.40  | 2.27           | 24.36          | 21.63  | 2.28           | 29.01          | 26.40  | 2.32           | 33.88          | 33.88  | 2.38           | 36.97          | 36.97  | 2.41           | 39.61          | 39.61  | 2.47           |
| 75.0 (23.9)                                                         | 960  | 12.32                                          | 11.33  | 2.25           | 15.69          | 14.42  | 2.38           | 18.94          | 17.27  | 2.41           | 22.70          | 20.16  | 2.45           | 26.85          | 24.43  | 2.51           | 31.88          | 31.88  | 2.65           | 34.98          | 34.98  | 2.74           | 37.66          | 37.66  | 2.85           |
|                                                                     | 1120 | 12.50                                          | 11.50  | 2.25           | 15.89          | 14.60  | 2.37           | 19.29          | 17.59  | 2.39           | 23.22          | 20.62  | 2.42           | 27.64          | 25.15  | 2.47           | 32.64          | 32.64  | 2.57           | 35.69          | 35.69  | 2.63           | 38.39          | 38.39  | 2.71           |
|                                                                     | 1280 | 12.66                                          | 11.65  | 2.27           | 16.05          | 14.75  | 2.38           | 19.58          | 17.85  | 2.39           | 23.61          | 20.97  | 2.41           | 28.17          | 25.64  | 2.44           | 33.17          | 33.17  | 2.52           | 36.27          | 36.27  | 2.56           | 38.98          | 38.98  | 2.61           |
| N5H8T60AKAAA Outdoor Section With FTMA5B60L0D Indoor Section - High |      |                                                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
| 65.0 (18.3)                                                         | 1625 | 24.87                                          | 22.88  | 3.26           | 30.86          | 28.36  | 3.42           | 37.35          | 34.06  | 3.58           | 44.27          | 39.32  | 3.76           | 50.75          | 46.18  | 3.93           | 57.85          | 57.85  | 4.12           | 66.07          | 66.07  | 4.36           | 74.79          | 74.79  | 4.59           |
|                                                                     | 1750 | 25.11                                          | 23.10  | 3.27           | 31.13          | 28.61  | 3.43           | 37.78          | 34.45  | 3.59           | 44.54          | 39.56  | 3.75           | 51.08          | 46.48  | 3.91           | 58.26          | 58.26  | 4.09           | 66.62          | 66.62  | 4.32           | 75.03          | 75.03  | 4.52           |
|                                                                     | 2000 | 25.54                                          | 23.50  | 3.31           | 31.60          | 29.04  | 3.46           | 38.94          | 35.51  | 3.62           | 45.04          | 40.00  | 3.75           | 51.65          | 47.00  | 3.89           | 58.99          | 58.99  | 4.05           | 67.53          | 67.53  | 4.26           | 75.21          | 75.21  | 4.42           |
| 70.0 (21.1)                                                         | 1625 | 24.03                                          | 22.10  | 3.41           | 30.07          | 27.64  | 3.58           | 36.50          | 33.28  | 3.74           | 43.75          | 38.85  | 3.94           | 50.13          | 45.62  | 4.11           | 57.27          | 57.27  | 4.32           | 65.09          | 65.09  | 4.56           | 73.84          | 73.84  | 4.81           |
|                                                                     | 1750 | 24.26                                          | 22.32  | 3.43           | 30.34          | 27.88  | 3.59           | 36.80          | 33.55  | 3.74           | 44.04          | 39.11  | 3.93           | 50.45          | 45.91  | 4.09           | 57.50          | 57.50  | 4.28           | 65.63          | 65.63  | 4.51           | 74.16          | 74.16  | 4.72           |
|                                                                     | 2000 | 24.69                                          | 22.72  | 3.47           | 30.81          | 28.31  | 3.62           | 37.34          | 34.04  | 3.76           | 44.49          | 39.51  | 3.93           | 51.01          | 46.42  | 4.07           | 58.19          | 58.19  | 4.24           | 66.53          | 66.53  | 4.45           | 74.44          | 74.44  | 4.62           |
| 75.0 (23.9)                                                         | 1625 | 23.16                                          | 21.31  | 3.56           | 29.27          | 26.89  | 3.74           | 35.67          | 32.52  | 3.91           | 43.27          | 38.43  | 4.13           | 49.53          | 45.07  | 4.31           | 56.35          | 56.35  | 4.51           | 64.11          | 64.11  | 4.77           | 72.85          | 72.85  | 5.04           |
|                                                                     | 1750 | 23.39                                          | 21.52  | 3.58           | 29.52          | 27.13  | 3.75           | 35.97          | 32.79  | 3.91           | 43.53          | 38.66  | 4.12           | 49.84          | 45.35  | 4.28           | 56.75          | 56.75  | 4.48           | 64.63          | 64.63  | 4.72           | 73.26          | 73.26  | 4.95           |
|                                                                     | 2000 | 23.82                                          | 21.91  | 3.62           | 29.99          | 27.56  | 3.78           | 36.49          | 33.27  | 3.93           | 43.97          | 39.05  | 4.11           | 50.39          | 45.86  | 4.26           | 57.42          | 57.42  | 4.43           | 65.53          | 65.53  | 4.65           | 73.63          | 73.63  | 4.84           |
| N5H8T60AKAAA Outdoor Section With FTMA5B60L0D Indoor Section - Low  |      |                                                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |                |        |                |
| 65.0 (18.3)                                                         | 1200 | 14.77                                          | 13.58  | 2.43           | 18.33          | 16.84  | 2.55           | 23.97          | 21.86  | 2.62           | 28.99          | 25.75  | 2.67           | 33.42          | 30.42  | 2.72           | 39.06          | 39.06  | 2.83           | 42.60          | 42.60  | 2.89           | 46.09          | 46.09  | 2.98           |
|                                                                     | 1400 | 15.13                                          | 13.91  | 2.44           | 18.76          | 17.24  | 2.56           | 24.51          | 22.34  | 2.61           | 29.55          | 26.24  | 2.65           | 34.23          | 31.15  | 2.68           | 39.59          | 39.59  | 2.75           | 43.26          | 43.26  | 2.78           | 46.89          | 46.89  | 2.84           |
|                                                                     | 1600 | 15.48                                          | 14.25  | 2.46           | 19.16          | 17.61  | 2.58           | 24.99          | 22.78  | 2.62           | 30.00          | 26.65  | 2.64           | 34.72          | 31.60  | 2.65           | 40.03          | 40.03  | 2.70           | 43.76          | 43.76  | 2.71           | 47.33          | 47.33  | 2.75           |
| 70.0 (21.1)                                                         | 1200 | 13.68                                          | 12.58  | 2.53           | 17.12          | 15.74  | 2.66           | 22.88          | 20.86  | 2.75           | 27.95          | 24.82  | 2.81           | 32.55          | 29.62  | 2.87           | 38.39          | 38.39  | 3.00           | 41.98          | 41.98  | 3.06           | 45.33          | 45.33  | 3.16           |
|                                                                     | 1400 | 14.05                                          | 12.92  | 2.56           | 17.58          | 16.15  | 2.68           | 23.40          | 21.34  | 2.74           | 28.55          | 25.36  | 2.79           | 33.16          | 30.18  | 2.82           | 39.00          | 39.00  | 2.92           | 42.63          | 42.63  | 2.95           | 46.15          | 46.15  | 3.02           |
|                                                                     | 1600 | 14.38                                          | 13.23  | 2.58           | 17.95          | 16.49  | 2.70           | 23.75          | 21.66  | 2.75           | 29.02          | 25.77  | 2.78           | 33.84          | 30.80  | 2.80           | 39.45          | 39.45  | 2.87           | 43.15          | 43.15  | 2.88           | 46.81          | 46.81  | 2.93           |
| 75.0 (23.9)                                                         | 1200 | 12.44                                          | 11.45  | 2.64           | 15.73          | 14.45  | 2.78           | 21.67          | 19.76  | 2.88           | 26.90          | 23.89  | 2.95           | 31.67          | 28.82  | 3.02           | 36.55          | 36.55  | 3.12           | 41.34          | 41.34  | 3.25           | 44.62          | 44.62  | 3.34           |
|                                                                     | 1400 | 12.76                                          | 11.73  | 2.67           | 16.11          | 14.80  | 2.80           | 22.18          | 20.22  | 2.88           | 27.47          | 24.39  | 2.93           | 32.30          | 29.40  | 2.98           | 37.56          | 37.56  | 3.05           | 41.99          | 41.99  | 3.13           | 45.46          | 45.46  | 3.20           |
|                                                                     | 1600 | 13.28                                          | 12.21  | 2.71           | 16.72          | 15.36  | 2.83           | 22.60          | 20.61  | 2.89           | 27.93          | 24.81  | 2.93           | 32.84          | 29.88  | 2.95           | 38.80          | 38.80  | 3.04           | 42.51          | 42.51  | 3.06           | 46.12          | 46.12  | 3.11           |

\* The Btuh heating capacity values shown are net integrated values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to those values to obtain total system capacity.  
† The kW values include the compressor, outdoor fan motor, and indoor blower motor. The kW from supplement heaters should be added to these values to obtain total system kilowatts.

EDB— Entering Dry Bulb

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

## Guide Specifications

### GENERAL

Air-cooled, split-system heat pump  
N5H8T

### System Description

Outdoor-mounted, air-cooled, split-system heat pump unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, and a control box. Unit will discharge supply air upward as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a packaged fan coil or coil unit.

### Quality Assurance

- Unit will be rated in accordance with the latest edition of AHRI Standard 210/240.
- Unit will be certified for capacity and efficiency, and listed in the latest AHRI directory.
- Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have C-UL approval.
- Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.
- Air-cooled condenser coils will be leak tested and pressure tested.
- Unit constructed in ISO9001 approved facility.

### Delivery, Storage, and Handling

- Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

### Warranty (for inclusion by specifying engineer)

- U.S. and Canada only.

## PRODUCTS

### Equipment

- Factory assembled, single piece, air-cooled heat pump unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge R-454B, and special features required prior to field start-up.

### Unit Cabinet

- Unit cabinet will be constructed of galvanized steel, bonderized, and coated with post-paint.

### Fans

Condenser fan will be direct-drive propeller type, discharging air upward.

- Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings. Shafts will be corrosion resistant.
- Fan blades will be statically and dynamically balanced.
- Condenser fan openings will be equipped with coated steel wire safety guards.

### Compressor

- Compressor will be hermetically sealed.
- Compressor will be mounted on rubber vibration isolators.

### Condenser Coil

- Condenser coil will be air cooled.
- Coil will be constructed of aluminum fins mechanically bonded to copper or aluminum tubes which are then cleaned, dehydrated, and sealed.

### Refrigeration Components

- Refrigeration circuit components will include liquid-line shutoff valve with sweat connections, vapor-line shutoff valve with sweat connections, system charge of R-454B refrigerant, POE compressor oil, accumulator and reversing valve.

### Operating Characteristics

- The capacity of the unit will meet or exceed \_\_\_\_\_ Btuh at a suction temperature of \_\_\_\_\_ °F/°C. The power consumption at full load will not exceed \_\_\_\_\_ kW.
- Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of \_\_\_\_\_ Btuh or greater at conditions of \_\_\_\_\_ CFM entering air temperature at the evaporator at \_\_\_\_\_ °F/°C wet bulb and \_\_\_\_\_ °F/°C dry bulb, and air entering the unit at \_\_\_\_\_ °F/°C.
- The system will have a SEER of \_\_\_\_\_ Btuh/watt or greater at DOE conditions.

### Electrical Requirements

- Nominal unit electrical characteristics will be \_\_\_\_\_ v, single phase, 60 hz. The unit will be capable of satisfactory operation within voltage limits of \_\_\_\_\_ v to \_\_\_\_\_ v.
- Unit electrical power will be single point connection.
- Control circuit will be 24v.

### Special Features

- Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

## System Design Summary

1. System must be installed with factory approved R454B Indoor unit only.
2. Factory authorized dissipation control board must be installed with indoor unit.
3. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
4. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
5. The maximum outdoor operating ambient in cooling mode is 125°F (51.67°C) when operating voltage is 230v.
6. Minimum outdoor operating air temperature for heating mode is -8°F (-22.2°C).
7. Maximum outdoor operating air temperature for heating mode is 66°F (18.9°C).
8. For reliable operation, unit must be level in all horizontal planes.
9. For interconnecting refrigerant tube lengths greater than 80 ft (23.4 m) and/or elevation differences between indoor and outdoor units greater than 20 ft (6.1 m), consult Residential Piping and Long Line Guideline and Service Manual available from equipment distributor.
10. If any refrigerant tubing is buried, provide a 6 in. (152.4 mm) vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. (914.4 mm) may be buried without further consideration. Do not bury refrigerant lines longer than 36 in. (914.4 mm).
11. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
12. Do not apply capillary tube indoor coils to these units.
13. Factory-supplied filter drier must be installed.