



# NXA4

## Performance Series Product Specifications

### EFFICIENT 14 SEER AIR CONDITIONER ENVIRONMENTALLY SOUND R-410A REFRIGERANT 1-1/2 THRU 5 TONS SPLIT SYSTEM

**208/230 Volt, 1-phase, 60 Hz  
REFRIGERATION CIRCUIT**

- Scroll compressors on all models
- Filter-Drier supplied with every unit for field installation
- Copper tube / aluminum fin coil

#### EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

#### BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) grille spacing for extra protection (hail guard)

#### LIMITED WARRANTY\*

- 10 year parts limited warranty (including compressor and coil) with timely registration
- 5 year parts limited warranty if not registered within 90 days of original installation
- \* For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



| Model Number | Size (tons) | Nominal BTU/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions width x depth x height in. (mm) | Ship / Operating Weight lbs. (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|------------------------------------------------------|-----------------------------------|
| NXA418GKC    | 1-1/2       | 18,000         | 11.7                  | 20                   | 23-1/8 x 23-1/8 x 24-13/16<br>(587 x 587 x 630)      | 134/123 (61/56)                   |
| NXA424GKC    | 2           | 24,000         | 14.1                  | 20                   | 25-3/4 x 25-3/4 x 25<br>(654 x 654 x 635)            | 140/119 (84/54)                   |
| NXA430GKC    | 2-1/2       | 30,000         | 16.8                  | 25                   | 31-3/16 x 31-3/16 x 31-13/16<br>(792 x 792 x 808)    | 186/151 (84/68)                   |
| NXA436GKC    | 3           | 36,000         | 18.1                  | 30                   | 31-3/16 x 31-3/16 x 24-13/16<br>(792 x 792 x 630)    | 151/134 (68/87)                   |
| NXA442GKC    | 3-1/2       | 42,000         | 22.3                  | 35                   | 31-3/16 x 31-3/16 x 39-1/8<br>(792 x 792 x 994)      | 232/192 (105/87)                  |
| NXA448GKC    | 4           | 48,000         | 20.9                  | 35                   | 31-3/16 x 31-3/16 x 28-7/16<br>(792 x 792 x 722)     | 200/182 (91/82)                   |
| NXA460GKC    | 5           | 60,000         | 27.5                  | 40                   | 31-3/16 x 31-3/16 x 31-13/16<br>(792 x 792 x 808)    | 218/197 (99/89)                   |

**OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE**

| Digit Position:               | 1                         | 2        | 3           | 4        | 5, 6      | 7        | 8        | 9        | 10       | 11       |
|-------------------------------|---------------------------|----------|-------------|----------|-----------|----------|----------|----------|----------|----------|
| Example Part Number:          | <b>N</b>                  | <b>X</b> | <b>A</b>    | <b>4</b> | <b>18</b> | <b>G</b> | <b>K</b> | <b>C</b> | <b>1</b> | <b>0</b> |
| N = Entry                     | <b>BRANDING</b>           |          | <b>A</b>    | <b>4</b> | <b>18</b> | <b>G</b> | <b>K</b> | <b>C</b> | <b>1</b> | <b>0</b> |
| X = R-410A                    | <b>REFRIGERANT</b>        |          |             |          |           |          |          |          |          |          |
| A = Air Conditioner           |                           |          |             |          |           |          |          |          |          |          |
| H = Heat Pump                 |                           |          | <b>TYPE</b> |          |           |          |          |          |          |          |
| 3 = 13 SEER                   |                           |          | <b>4</b>    |          | <b>18</b> | <b>G</b> | <b>K</b> | <b>C</b> | <b>1</b> | <b>0</b> |
| 4 = 14 SEER                   | <b>NOMINAL EFFICIENCY</b> |          |             |          |           |          |          |          |          |          |
| 18 = 18,000 BTUH = 1-1/2 tons |                           |          |             |          |           |          |          |          |          |          |
| 24 = 24,000 BTUH = 2 tons     |                           |          | <b>4</b>    |          | <b>18</b> | <b>G</b> | <b>K</b> | <b>C</b> | <b>1</b> | <b>0</b> |
| 30 = 30,000 BTUH = 2-1/2 tons |                           |          |             |          |           |          |          |          |          |          |
| 36 = 36,000 BTUH = 3 tons     |                           |          |             |          |           |          |          |          |          |          |
| 42 = 42,000 BTUH = 3-1/2 tons |                           |          | <b>4</b>    |          | <b>18</b> | <b>G</b> | <b>K</b> | <b>C</b> | <b>1</b> | <b>0</b> |
| 48 = 48,000 BTUH = 4 tons     |                           |          |             |          |           |          |          |          |          |          |
| 60 = 60,000 BTUH = 5 tons     | <b>NOMINAL CAPACITY</b>   |          |             |          |           |          |          |          |          |          |
| G = Coil Guard Grille         |                           |          | <b>4</b>    |          | <b>18</b> | <b>G</b> | <b>K</b> | <b>C</b> | <b>1</b> | <b>0</b> |
| <b>FEATURES</b>               |                           |          |             |          |           |          |          |          |          |          |
| K = 208/230-1-60              | <b>VOLTAGE</b>            |          |             |          |           |          |          |          |          |          |
| Sales Code                    |                           |          | <b>4</b>    |          | <b>18</b> | <b>G</b> | <b>K</b> | <b>C</b> | <b>1</b> | <b>0</b> |
| Engineering Revision          |                           |          |             |          |           |          |          |          |          |          |
| Extra Digit                   |                           |          |             |          |           |          |          |          |          |          |

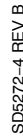
**ACCESSORIES PART NUMBER IDENTIFICATION GUIDE**

| Digit Position:                              | 1             | 2 | 3 | 4 | 5 | 6, 7 | 8, 9 | 10, 11 |
|----------------------------------------------|---------------|---|---|---|---|------|------|--------|
| Example Part Number:                         | N             | A | S | A | 0 | 01   | 01   | CH     |
| N = Non-Branded                              | BRANDING      |   | A | S | A | 0    | 01   | 01     |
| A = Accessory                                | PRODUCT GROUP |   |   |   |   |      |      |        |
| S = Split System (AC & HP)                   | KIT USAGE     |   |   |   |   |      |      |        |
| A = Original                                 | MAJOR SERIES  |   | A | S | A | 0    | 01   | 01     |
| B = 2nd Generation                           |               |   |   |   |   |      |      |        |
| 0 = Generic or Not Applicable                |               |   |   |   |   |      |      |        |
| 2 = R-22                                     | REFRIGERANT   |   | A | S | A | 0    | 01   | 01     |
| 4 = R-410A                                   |               |   |   |   |   |      |      |        |
| Product Identifier Number                    |               |   |   |   |   |      |      |        |
| Package Quantity                             |               |   | A | S | A | 0    | 01   | 01     |
| Type of Kit (Example: CH = Crankcase Heater) |               |   |   |   |   |      |      |        |



1. Allow 24" clearance to service side of unit, 48" above unit, 6" on one side, 12" on remaining sides.
2. Maintain a distance of 24" between units or 18" if no overhang within 12'.
3. Minimum outdoor operating ambient in cooling mode is 55°F, max 125°F.
4. Center of Gravity 

|  | Dimensions Inches (English) |         |          |       |     |        |          |         |         |     |         |          |        |                   | Minimum<br>Rooftop<br>Mounting Pad<br>Size<br>Y | Shipping<br>Dimensions<br>L x W x H |
|--|-----------------------------|---------|----------|-------|-----|--------|----------|---------|---------|-----|---------|----------|--------|-------------------|-------------------------------------------------|-------------------------------------|
|  | Model                       | A       | B        | C     | D   | E      | F        | G       | K       | L   | M       | N        | P      | X                 |                                                 |                                     |
|  | NXA418GKC                   | 23-1/8  | 24-13/16 | 3-3/4 | 3/4 | 4-7/16 | 18-1/16  | 7-13/16 | 2-13/16 | 1/2 | 13      | 11-1/8   | 10-1/4 | 23-1/8 x 23-1/8   | 17-3/4 x 17-3/4                                 | 25-1/4 x 25-1/4 x 27-3/16           |
|  | NXA424GKC                   | 25-3/4  | 25       | 3-3/4 | 3/4 | 4-7/16 | 21-1/4   | 9-1/8   | 2-13/16 | 1/2 | 13-5/8  | 12-1/8   | 9-7/8  | 25-3/4 x 25-3/4   | 20-7/16 x 20-7/16                               | 27-7/8 x 27-7/8 x 32-9/16           |
|  | NXA430GKC                   | 31-3/16 | 31-13/16 | 3-3/4 | 3/4 | 6-9/16 | 24-11/16 | 9-1/8   | 2-13/16 | 1/2 | 16-1/8  | 15-1/16  | 12-5/8 | 31-3/16 x 31-3/16 | 23 x 23                                         | 33-3/8 x 33-3/8 x 34                |
|  | NXA436GKC                   | 31-3/16 | 24-13/16 | 3-7/8 | 7/8 | 6-9/16 | 24-11/16 | 9-1/8   | 2-15/16 | 5/8 | 15-9/16 | 16-1/2   | 10-1/4 | 31-3/16 x 31-3/16 | 23 x 23                                         | 33-3/8 x 33-3/8 x 27-3/16           |
|  | NXA442GKC                   | 31-3/16 | 39-1/8   | 3-7/8 | 7/8 | 6-9/16 | 24-11/16 | 9-1/8   | 2-15/16 | 5/8 | 16-1/8  | 16-11/16 | 14     | 31-3/16 x 31-3/16 | 23 x 23                                         | 33-3/8 x 33-3/8 x 40-5/8            |
|  | NXA448GKC                   | 31-3/16 | 28-7/16  | 3-7/8 | 7/8 | 6-9/16 | 24-11/16 | 9-1/8   | 2-15/16 | 5/8 | 16-3/16 | 16-1/4   | 10-1/4 | 31-3/16 x 31-3/16 | 23 x 23                                         | 33-3/8 x 33-3/8 x 30-5/8            |
|  | NXA460GKC                   | 31-3/16 | 31-13/16 | 3-7/8 | 7/8 | 6-9/16 | 24-11/16 | 9-1/8   | 2-15/16 | 5/8 | 15-1/2  | 16       | 10-7/8 | 35 x 35           | 26-3/4 x 26-3/7                                 | 33-3/8 x 33-3/8 x 34                |



1. Allow 610 mm clearance to service side of unit, 1219 mm above unit, 152 mm on one side, 305 mm on remaining sides
2. Maintain a distance of 610mm between units or 457mm if no overhang within 3.7m.
3. Minimum outdoor operating ambient in cooling mode is 13°C, max 52°C.

4. Center of Gravity 

|           | Dimensions mm (SI Metric) |     |    |    |     |     |     |    |    |     |     |     |                                                |                                                 |                                     |
|-----------|---------------------------|-----|----|----|-----|-----|-----|----|----|-----|-----|-----|------------------------------------------------|-------------------------------------------------|-------------------------------------|
|           | A                         | B   | C  | D  | E   | F   | G   | K  | L  | M   | N   | P   | Minimum<br>Ground<br>Mounting<br>Pad Size<br>X | Minimum<br>Rooftop<br>Mounting<br>Pad Size<br>Y | Shipping<br>Dimensions<br>L x W x H |
| Model     |                           |     |    |    |     |     |     |    |    |     |     |     |                                                |                                                 |                                     |
| NXA418GKC | 587                       | 630 | 95 | 19 | 113 | 459 | 198 | 71 | 13 | 330 | 283 | 260 | 587 x 587                                      | 451 x 451                                       | 642 x 642 x 691                     |
| NXA424GKC | 654                       | 635 | 95 | 19 | 113 | 540 | 232 | 71 | 13 | 346 | 308 | 251 | 654 x 654                                      | 518 x 518                                       | 708 x 708 x 827                     |
| NXA430GKC | 792                       | 808 | 95 | 19 | 113 | 627 | 232 | 71 | 13 | 410 | 383 | 321 | 792 x 792                                      | 583 x 583                                       | 847 x 847 x 864                     |
| NXA436GKC | 792                       | 630 | 98 | 22 | 167 | 627 | 232 | 75 | 16 | 395 | 419 | 260 | 792 x 792                                      | 583 x 583                                       | 847 x 847 x 691                     |
| NXA442GKC | 792                       | 994 | 98 | 22 | 167 | 627 | 232 | 75 | 16 | 410 | 424 | 356 | 792 x 792                                      | 583 x 583                                       | 847 x 847 x 1031                    |
| NXA448GKC | 792                       | 722 | 98 | 22 | 167 | 627 | 232 | 75 | 16 | 411 | 413 | 260 | 792 x 792                                      | 583 x 583                                       | 847 x 847 x 778                     |
| NXA460GKC | 792                       | 808 | 98 | 22 | 167 | 627 | 232 | 75 | 16 | 394 | 406 | 276 | 792 x 792                                      | 583 x 583                                       | 847 x 847 x 864                     |

| PHYSICAL DATA (1-phase)           |                              |            |            |            |            |            |            |
|-----------------------------------|------------------------------|------------|------------|------------|------------|------------|------------|
| Model Size                        | 18                           | 24         | 30         | 36         | 42         | 48         | 60         |
| Nominal Cooling Capacity (BTU/hr) | 18,000                       | 24,000     | 30,000     | 36,000     | 42,000     | 48,000     | 60,000     |
| Nominal SEER                      | 14.0                         |            |            |            |            |            |            |
| Compressor Type                   | Scroll                       |            |            |            |            |            |            |
| REFRIGERANT                       | R-410A                       |            |            |            |            |            |            |
| Charge -lb(kg)                    | 3.2(1.45)                    | 3.87(1.76) | 5.67(2.57) | 4.95(2.25) | 7.90(3.58) | 8.31(3.77) | 9.39(4.26) |
| Required Subcooling ° F (° C)     | 16 (8.8)                     | 10 (5.5)   | 12(6.6)    | 11 (6)     | 9 (5)      | 11 (6)     | 13 (7.2)   |
| COND FAN                          | Propeller Type, Direct Drive |            |            |            |            |            |            |
| Air Discharge                     | Vertical                     |            |            |            |            |            |            |
| Air Qty (CFM)                     | 1600                         | 1881       | 2614       | 3167       | 3700       | 3454       | 3700       |
| Motor HP                          | 1/12                         | 1/12       | 1/10       | 1/5        | 1/4        | 1/4        | 1/4        |
| Motor RPM                         | 1100                         | 1100       | 1100       | 1100       | 1110       | 1110       | 1100       |
| COND COIL                         |                              |            |            |            |            |            |            |
| Face Area (Sq ft)                 | 8.4                          | 9.9        | 17.24      | 12.9       | 21.6       | 15.1       | 17.25      |
| Fins per In.                      | 25                           | 25         | 25         | 25         | 25         | 20         | 25         |
| Rows                              | 1                            | 1          | 1          | 1          | 1          | 2          | 2          |
| Circuits                          | 3                            | 4          | 4          | 5          | 7          | 6          | 8          |
| VALVE CONNECT. (In. ID)           |                              |            |            |            |            |            |            |
| Vapor - in. (mm)                  | 3/4 (19)                     | 3/4 (19)   | 3/4 (19)   | 7/8 (22)   | 7/8 (22)   | 7/8 (22)   | 7/8 (22)   |
| Liquid - in. (mm)                 | 3/8 (10)                     |            |            |            |            |            |            |
| REFRIGERANT TUBES* (In. OD)       |                              |            |            |            |            |            |            |
| Rated Vapor                       | 3/4 (19)                     | 3/4 (19)   | 3/4 (19)   | 7/8 (22)   | 7/8 (22)   | 7/8 (22)   | 1 1/8 (29) |
| Max Liquid Line                   | 3/8 (10)                     |            |            |            |            |            |            |

\* 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. **Note:** See unit Installation Instruction for proper installation.

| ELECTRICAL DATA (208/230-1-60, voltage range 197V - 253V)  |      |      |      |      |       |       |       |
|------------------------------------------------------------|------|------|------|------|-------|-------|-------|
| Model Size                                                 | 18   | 24   | 30   | 36   | 42    | 48    | 60    |
| Minimum Circuit Ampacity - <b>MCA</b> (amps)               | 11.7 | 14.1 | 16.8 | 18.1 | 22.3  | 20.9  | 27.5  |
| Maximum OverCurrent Protective device - <b>MOCP</b> (amps) | 20   | 20   | 25   | 30   | 35    | 35    | 40    |
| Compressor <b>RLA</b> (Rated Load Amps)                    | 9    | 10.9 | 12.8 | 13.6 | 16.7  | 15.6  | 20.8  |
| <b>LRA</b> (Locked Rotor Amps)                             | 47.5 | 62.9 | 67.8 | 79.0 | 109.0 | 105.7 | 127.1 |
| Fan Motor <b>FLA</b> (Full Load Amps)                      | .40  | .50  | .75  | 1.10 | 1.40  | 1.40  | 1.52  |

| A-Weighted Sound Power Level - Without Sound Jacket |                       |                                                        |     |     |      |      |      |      |
|-----------------------------------------------------|-----------------------|--------------------------------------------------------|-----|-----|------|------|------|------|
| Model                                               | Standard Rating (dBA) | TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment) |     |     |      |      |      |      |
|                                                     |                       | 125                                                    | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| NXA418GKC                                           | 75                    | 45                                                     | 53  | 57  | 62   | 60   | 53   | 48   |
| NXA424GKC                                           | 72                    | 46                                                     | 57  | 60  | 64   | 61   | 56   | 50   |
| NXA430GKC                                           | 73                    | 50                                                     | 56  | 63  | 64   | 61   | 58   | 54   |
| NXA436GKC                                           | 75                    | 51                                                     | 61  | 65  | 67   | 63   | 60   | 53   |
| NXA442GKC                                           | 73                    | 49                                                     | 58  | 63  | 64   | 59   | 56   | 50   |
| NXA448GKC                                           | 76                    | 53                                                     | 61  | 64  | 66   | 62   | 60   | 51   |
| NXA460GKC                                           | 75                    | 54                                                     | 57  | 63  | 64   | 62   | 58   | 51   |

Note: Tested in accordance with AHRI Standard 270-2008 (not listed in AHRI).

| A-Weighted Sound Power Level - With Sound Jacket |                       |                                                        |     |     |      |      |      |      |
|--------------------------------------------------|-----------------------|--------------------------------------------------------|-----|-----|------|------|------|------|
| Model                                            | Standard Rating (dBA) | TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment) |     |     |      |      |      |      |
|                                                  |                       | 125                                                    | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| NXA418GKC                                        | 75                    | 45                                                     | 53  | 58  | 62   | 61   | 55   | 49   |
| NXA424GKC                                        | 73                    | 47                                                     | 59  | 61  | 64   | 61   | 55   | 48   |
| NXA430GKC                                        | 72                    | 49                                                     | 57  | 62  | 63   | 60   | 57   | 52   |
| NXA436GKC                                        | 75                    | 51                                                     | 62  | 65  | 66   | 62   | 60   | 52   |
| NXA442GKC                                        | 72                    | 50                                                     | 58  | 62  | 63   | 58   | 55   | 47   |
| NXA448GKC                                        | 73                    | 55                                                     | 61  | 64  | 63   | 60   | 57   | 48   |
| NXA460GKC                                        | 73                    | 54                                                     | 59  | 63  | 63   | 60   | 56   | 48   |

Note: Tested in accordance with AHRI Standard 270-2008 (not listed in AHRI).

## REFRIGERANT CHARGE ADJUSTMENTS

| Liquid Line Size | R-410A Charge oz/ft                         |
|------------------|---------------------------------------------|
| 3/8              | 0.60<br>(Factory charge for lineset = 9 oz) |
| 5/16             | 0.40                                        |
| 1/4              | 0.27                                        |

Units are factory charged for 15 ft (4.6 m) of 3/8" liquid line. The factory charge for 3/8" lineset 9 oz. When using other length or diameter liquid lines, charge adjustments are required per the chart above.

**Charging Formula:**

$[(\text{Lineset oz/ft} \times \text{total length}) - (\text{factory charge for lineset})] = \text{charge adjustment}$

**Example 1:** System has 15 ft of line set using existing 1/4" liquid line. What charge adjustment is required?

Formula:  $(.27 \text{ oz/ft} \times 15\text{ft}) - (9 \text{ oz}) = (-4.95) \text{ oz.}$

Net result is to remove 4.95 oz of refrigerant from the system

**Example 2:** System has 45 ft of existing 5/16" liquid line. What is the charge adjustment?

Formula:  $(.40 \text{ oz/ft.} \times 45\text{ft}) - (9 \text{ oz.}) = 9 \text{ oz.}$

Net result is to add 9 oz of refrigerant to the system

## 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. See Accessory Usage Guideline table for required accessories. 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 Air Conditioner systems, the charts below shows when an application requires a TXV and long line accessories due to lineset length.

**AC with R-410A Refrigerant Long Line Description ft (m) Beyond these lengths, a TXV is required**

| Total Length                        | Outdoor Unit Above or Below Indoor Unit |
|-------------------------------------|-----------------------------------------|
| TXV required beyond 50 ft. (15.2 m) | TXV required beyond 20 ft. (6.1 m)      |

**AC with R-410A 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 |
|------------------|----------------------------------------------|----------------------------------------------|----------------------|
| 1/4 + TXV        | No accessories needed within allowed lengths | No accessories needed within allowed lengths | 175 (53.3)           |
| 5/16 + TXV       | 120 (36.6)                                   | 50 (15.2) vertical or 120 (36.6) total       | 120 (36.6)           |
| 3/8 + TXV        | 80 (24.4)                                    | 35 (10.7) vertical or 80 (24.4) total        | 80 (24.4)            |

**Note:** See Long Line Guideline for details

| R-410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS |                     |                                      |                                                                                                                                                |               |               |                                              |                |                |                |                |              |                |                |
|------------------------------------------------------------------------|---------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|----------------------------------------------|----------------|----------------|----------------|----------------|--------------|----------------|----------------|
| Model Size                                                             | Liquid Line in.(mm) | Acceptable Vapor Line Sizes in. (mm) | Cooling Capacity Loss (%) at Total Equivalent Line Length, feet (m)<br>Refer to Long Line Application Guideline to calculate equivalent length |               |               |                                              |                |                |                |                |              |                |                |
|                                                                        |                     |                                      | Standard Application                                                                                                                           |               |               | Long Line Application (Requires Accessories) |                |                |                |                |              |                |                |
|                                                                        |                     |                                      | 25'<br>(7.6)                                                                                                                                   | 50'<br>(15.2) | 80'<br>(24.4) | 81'<br>(24.7)                                | 100'<br>(30.5) | 125'<br>(38.1) | 150'<br>(45.7) | 175'<br>(53.3) | 200'<br>(61) | 225'<br>(68.6) | 250'<br>(76.2) |
| 18                                                                     | 3/8 (10)            | 1/2 (13)                             | 1                                                                                                                                              | 2             | 3             | 3                                            | 4              | 6              | 7              | 8              | 9            | 10             | 12             |
|                                                                        |                     | 5/8 (16)                             | 0                                                                                                                                              | 0             | 1             | 1                                            | 1              | 1              | 2              | 2              | 3            | 3              | 3              |
|                                                                        |                     | 3/4 (19)                             | 0                                                                                                                                              | 0             | 0             | 0                                            | 0              | 1              | 1              | 1              | 1            | 1              | 1              |
| 24                                                                     |                     | 5/8 (16)                             | 0                                                                                                                                              | 1             | 1             | 1                                            | 2              | 3              | 3              | 4              | 4            | 5              | 6              |
|                                                                        |                     | 3/4 (19)                             | 0                                                                                                                                              | 0             | 0             | 0                                            | 0              | 1              | 1              | 1              | 1            | 1              | 2              |
|                                                                        |                     | 7/8 (22)                             | 0                                                                                                                                              | 0             | 0             | 0                                            | 0              | 0              | 0              | 0              | 0            | 0              | 1              |
| 30                                                                     |                     | 5/8 (16)                             | 1                                                                                                                                              | 2             | 3             | 3                                            | 3              | 4              | 5              | 6              | 7            | 8              | 9              |
|                                                                        |                     | 3/4 (19)                             | 0                                                                                                                                              | 0             | 1             | 1                                            | 1              | 1              | 2              | 2              | 2            | 3              | 3              |
|                                                                        |                     | 7/8 (22)                             | 0                                                                                                                                              | 0             | 0             | 0                                            | 0              | 1              | 1              | 1              | 1            | 1              | 1              |
| 36                                                                     |                     | 5/8 (16)                             | 1                                                                                                                                              | 2             | 4             | 4                                            | 5              | 6              | 7              | 9              | 10           | 11             | 13             |
|                                                                        |                     | 3/4 (19)                             | 0                                                                                                                                              | 0             | 1             | 1                                            | 1              | 2              | 2              | 3              | 3            | 4              | 4              |
|                                                                        |                     | 7/8 (22)                             | 0                                                                                                                                              | 0             | 0             | 0                                            | 0              | 1              | 1              | 1              | 1            | 2              | 2              |
| 42                                                                     |                     | 3/4 (19)                             | 0                                                                                                                                              | 1             | 2             | 2                                            | 2              | 3              | 4              | 4              | 5            | 6              | 6              |
|                                                                        |                     | 7/8 (22)                             | 0                                                                                                                                              | 0             | 1             | 1                                            | 1              | 1              | 2              | 2              | 2            | 3              | 3              |
|                                                                        |                     | 1-1/8 (29)                           | 0                                                                                                                                              | 0             | 0             | 0                                            | 0              | 0              | 0              | 0              | 0            | 0              | 1              |
| 48                                                                     |                     | 3/4 (19)                             | 0                                                                                                                                              | 1             | 2             | 2                                            | 3              | 4              | 5              | 5              | 6            | 7              | 8              |
|                                                                        |                     | 7/8 (22)                             | 0                                                                                                                                              | 0             | 1             | 1                                            | 1              | 2              | 2              | 2              | 3            | 3              | 4              |
|                                                                        |                     | 1-1/8 (29)                           | 0                                                                                                                                              | 0             | 0             | 0                                            | 0              | 0              | 0              | 0              | 1            | 1              | 1              |
| 60                                                                     |                     | 3/4 (19)                             | 1                                                                                                                                              | 2             | 4             | 4                                            | 5              | 6              | 7              | 9              | 10           | 11             | 12             |
|                                                                        |                     | 7/8 (22)                             | 0                                                                                                                                              | 1             | 2             | 2                                            | 2              | 3              | 4              | 4              | 5            | 5              | 6              |
|                                                                        |                     | 1-1/8(29)                            | 0                                                                                                                                              | 0             | 0             | 0                                            | 1              | 1              | 1              | 1              | 1            | 1              | 2              |

Consult the Long Line Application Guideline document before purchasing/installing line sets.

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

#### COOLING PERFORMANCE FOR COMBINATION RATINGS Indoor Models

For complete ratings information, use the AHRI website directory search: [www.AHRI.directory.org](http://www.AHRI.directory.org).  
New ratings may be listed online before Specification Sheets are updated.

| Unit Size | INDOOR<br>MODEL | AHRI STANDARD RATINGS |                    |      |       |  |       | FURNACE<br>MODEL |
|-----------|-----------------|-----------------------|--------------------|------|-------|--|-------|------------------|
|           |                 | COOLING               |                    |      |       |  |       |                  |
|           |                 | CAPACITY              | FACTORY<br>ENHANCE | SEER |       |  | EER   |                  |
| STANDARD  | TDR             |                       |                    | TXV  |       |  |       |                  |
| NXA418GKC | EA*4X19L17A*    | 17,500                | TXV                |      | 14.00 |  | 11.70 |                  |
| NXA424GKC | EA*4X25L17A*    | 23,400                | TXV                |      | 14.00 |  | 11.70 |                  |
| NXA430GKC | EA*4X37L21A*    | 29,600                | TXV                |      | 14.50 |  | 12.00 |                  |
| NXA436GKC | EA*4X37L21A*    | 34,200                | TXV                |      | 14.00 |  | 12.00 |                  |
| NXA442GKC | EA*4X43L21A*    | 38,500                | TXV                |      | 14.00 |  | 12.00 |                  |
| NXA448GKC | EA*4X61L24A*    | 45,000                | TXV                |      | 14.50 |  | 11.70 |                  |
| NXA460GKC | EA*4X60L24A*    | 56,500                | TXV                |      | 14.00 |  | 11.70 |                  |

#### TESTED AHRI COMBINATION RATINGS\*

NOTE: Ratings contained in this document are subject to change at any time.

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 Airquest database:

<http://www.icpeqp.com/AHRIratings/ratings.aspx?Brand=Airquest>

Or scan this QR code:



**EXPANDED COOLING PERFORMANCE RATINGS For Outdoor / Indoor Models #**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org).  
New ratings may be listed online before Specification Sheets are updated.

| EVAPORATOR AIR                                             |        | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |                   |                |           |                   |                |       |                   |                |       |                   |                |       |                   |                |            |                   |                |       |                   |       |
|------------------------------------------------------------|--------|---------------------------------------------|-------|-------------------|----------------|-----------|-------------------|----------------|-------|-------------------|----------------|-------|-------------------|----------------|-------|-------------------|----------------|------------|-------------------|----------------|-------|-------------------|-------|
|                                                            |        | 75 (23.9)                                   |       |                   |                | 85 (29.4) |                   |                |       | 95 (35)           |                |       |                   | 105 (40.6)     |       |                   |                | 115 (46.1) |                   |                |       | 125 (51.7)        |       |
| CFM                                                        | EWB °F | Capacity MBtuh                              |       | Total System KW** | Capacity MBtuh |           | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |            | Total System KW** | Capacity MBtuh |       | Total System KW** |       |
|                                                            |        | Total                                       | Sens† |                   | Total          | Sens†     |                   | Total          | Sens† |                   | Total          | Sens† |                   | Total          | Sens† |                   | Total          | Sens†      |                   | Total          | Sens† |                   | Total |
| NXA418GKC Outdoor Section With EA*4X30L17** Indoor Section |        |                                             |       |                   |                |           |                   |                |       |                   |                |       |                   |                |       |                   |                |            |                   |                |       |                   |       |
| 525                                                        | 72     | 20.84                                       | 11.15 | 1.18              | 20.08          | 10.86     | 1.33              | 19.26          | 10.56 | 1.49              | 18.34          | 10.22 | 1.67              | 17.28          | 9.84  | 1.89              | 16.07          | 9.40       | 2.13              |                |       |                   |       |
|                                                            | 67     | 19.05                                       | 13.80 | 1.19              | 18.30          | 13.49     | 1.34              | 17.50          | 13.16 | 1.50              | 16.60          | 12.80 | 1.68              | 15.58          | 12.39 | 1.89              | 14.40          | 11.93      | 2.13              |                |       |                   |       |
|                                                            | 63††   | 17.78                                       | 13.32 | 1.20              | 17.04          | 12.99     | 1.34              | 16.24          | 12.64 | 1.50              | 15.35          | 12.25 | 1.68              | 14.35          | 11.82 | 1.89              | 13.21          | 11.33      | 2.14              |                |       |                   |       |
|                                                            | 62     | 17.42                                       | 16.39 | 1.20              | 16.70          | 16.06     | 1.34              | 15.92          | 15.68 | 1.50              | 15.12          | 15.12 | 1.68              | 14.34          | 14.34 | 1.89              | 13.45          | 13.45      | 2.13              |                |       |                   |       |
|                                                            | 57     | 17.00                                       | 17.00 | 1.20              | 16.41          | 16.41     | 1.34              | 15.79          | 15.79 | 1.50              | 15.10          | 15.10 | 1.68              | 14.32          | 14.32 | 1.89              | 13.43          | 13.43      | 2.13              |                |       |                   |       |
| 600                                                        | 72     | 21.18                                       | 11.76 | 1.21              | 20.40          | 11.48     | 1.35              | 19.56          | 11.17 | 1.52              | 18.61          | 10.83 | 1.70              | 17.52          | 10.45 | 1.92              | 16.27          | 10.01      | 2.16              |                |       |                   |       |
|                                                            | 67     | 19.36                                       | 14.78 | 1.22              | 18.61          | 14.48     | 1.36              | 17.78          | 14.15 | 1.52              | 16.86          | 13.79 | 1.71              | 15.81          | 13.37 | 1.92              | 14.62          | 12.90      | 2.16              |                |       |                   |       |
|                                                            | 63††   | 18.10                                       | 14.24 | 1.23              | 17.35          | 13.91     | 1.37              | 16.53          | 13.56 | 1.53              | 15.62          | 13.17 | 1.71              | 14.59          | 12.73 | 1.92              | 13.42          | 12.24      | 2.16              |                |       |                   |       |
|                                                            | 62     | 17.79                                       | 17.69 | 1.23              | 17.14          | 17.14     | 1.37              | 16.49          | 16.49 | 1.53              | 15.76          | 15.76 | 1.71              | 14.94          | 14.94 | 1.92              | 14.00          | 14.00      | 2.16              |                |       |                   |       |
|                                                            | 57     | 17.72                                       | 17.72 | 1.23              | 17.11          | 17.11     | 1.37              | 16.46          | 16.46 | 1.53              | 15.74          | 15.74 | 1.71              | 14.92          | 14.92 | 1.92              | 13.98          | 13.98      | 2.16              |                |       |                   |       |
| 675                                                        | 72     | 21.42                                       | 12.36 | 1.23              | 20.63          | 12.08     | 1.38              | 19.76          | 11.77 | 1.55              | 18.80          | 11.43 | 1.73              | 17.69          | 11.05 | 1.94              | 16.41          | 10.61      | 2.19              |                |       |                   |       |
|                                                            | 67     | 19.60                                       | 15.75 | 1.25              | 18.83          | 15.44     | 1.39              | 17.99          | 15.11 | 1.55              | 17.05          | 14.75 | 1.73              | 15.99          | 14.33 | 1.95              | 14.77          | 13.85      | 2.19              |                |       |                   |       |
|                                                            | 63††   | 18.34                                       | 15.14 | 1.26              | 17.57          | 14.81     | 1.40              | 16.74          | 14.45 | 1.56              | 15.82          | 14.06 | 1.74              | 14.77          | 13.61 | 1.95              | 13.59          | 13.10      | 2.19              |                |       |                   |       |
|                                                            | 62     | 18.33                                       | 18.33 | 1.25              | 17.71          | 17.71     | 1.40              | 17.04          | 17.04 | 1.55              | 16.28          | 16.28 | 1.74              | 15.43          | 15.43 | 1.95              | 14.46          | 14.46      | 2.19              |                |       |                   |       |
|                                                            | 57     | 18.31                                       | 18.31 | 1.25              | 17.68          | 17.68     | 1.40              | 17.01          | 17.01 | 1.55              | 16.26          | 16.26 | 1.74              | 15.41          | 15.41 | 1.95              | 14.44          | 14.44      | 2.19              |                |       |                   |       |

| EVAPORATOR AIR                                            |        | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |                   |                |           |                   |                |       |                   |                |       |                   |                |       |                   |                |            |                   |                |       |                   |  |
|-----------------------------------------------------------|--------|---------------------------------------------|-------|-------------------|----------------|-----------|-------------------|----------------|-------|-------------------|----------------|-------|-------------------|----------------|-------|-------------------|----------------|------------|-------------------|----------------|-------|-------------------|--|
|                                                           |        | 75 (23.9)                                   |       |                   |                | 85 (29.4) |                   |                |       | 95 (35)           |                |       |                   | 105 (40.6)     |       |                   |                | 115 (46.1) |                   |                |       | 125 (51.7)        |  |
| CFM                                                       | EWB °F | Capacity MBtuh                              |       | Total System KW** | Capacity MBtuh |           | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |            | Total System KW** | Capacity MBtuh |       | Total System KW** |  |
|                                                           |        | Total                                       | Sens† |                   | Total          | Sens†     |                   | Total          | Sens† |                   | Total          | Sens† |                   | Total          | Sens† |                   | Total          | Sens†      |                   | Total          | Sens† |                   |  |
| NXA424GKC Outdoor Section With EA*4X25L17* Indoor Section |        |                                             |       |                   |                |           |                   |                |       |                   |                |       |                   |                |       |                   |                |            |                   |                |       |                   |  |
| 700                                                       | 72     | 27.81                                       | 14.89 | 1.62              | 26.74          | 14.49     | 1.80              | 25.61          | 14.07 | 2.00              | 24.39          | 13.62 | 2.23              | 23.06          | 13.14 | 2.51              | 21.56          | 12.60      | 2.83              |                |       |                   |  |
|                                                           | 67     | 25.46                                       | 18.45 | 1.62              | 24.46          | 18.04     | 1.80              | 23.40          | 17.61 | 2.00              | 22.25          | 17.13 | 2.23              | 21.01          | 16.63 | 2.51              | 19.58          | 16.06      | 2.83              |                |       |                   |  |
|                                                           | 63††   | 23.79                                       | 17.82 | 1.62              | 22.84          | 17.40     | 1.80              | 21.83          | 16.94 | 2.00              | 20.74          | 16.47 | 2.24              | 19.53          | 15.94 | 2.52              | 18.16          | 15.36      | 2.85              |                |       |                   |  |
|                                                           | 62     | 23.31                                       | 21.92 | 1.62              | 22.38          | 21.48     | 1.80              | 21.40          | 21.01 | 2.00              | 20.37          | 20.37 | 2.24              | 19.43          | 19.43 | 2.51              | 18.33          | 18.33      | 2.84              |                |       |                   |  |
|                                                           | 57     | 22.74                                       | 22.74 | 1.62              | 22.00          | 22.00     | 1.80              | 21.20          | 21.20 | 2.00              | 20.34          | 20.34 | 2.24              | 19.39          | 19.39 | 2.51              | 18.30          | 18.30      | 2.84              |                |       |                   |  |
| 800                                                       | 72     | 28.26                                       | 15.70 | 1.66              | 27.15          | 15.30     | 1.84              | 25.97          | 14.87 | 2.04              | 24.70          | 14.42 | 2.27              | 23.33          | 13.94 | 2.54              | 21.80          | 13.40      | 2.87              |                |       |                   |  |
|                                                           | 67     | 25.87                                       | 19.75 | 1.66              | 24.84          | 19.33     | 1.84              | 23.75          | 18.90 | 2.04              | 22.56          | 18.42 | 2.27              | 21.27          | 17.91 | 2.55              | 19.81          | 17.34      | 2.87              |                |       |                   |  |
|                                                           | 63††   | 24.22                                       | 19.04 | 1.66              | 23.25          | 18.61     | 1.84              | 22.19          | 18.15 | 2.04              | 21.05          | 17.67 | 2.28              | 19.82          | 17.14 | 2.55              | 18.40          | 16.54      | 2.88              |                |       |                   |  |
|                                                           | 62     | 23.79                                       | 23.64 | 1.66              | 22.94          | 22.94     | 1.84              | 22.09          | 22.09 | 2.04              | 21.17          | 21.17 | 2.27              | 20.16          | 20.16 | 2.55              | 19.00          | 19.00      | 2.87              |                |       |                   |  |
|                                                           | 57     | 23.69                                       | 23.69 | 1.66              | 22.90          | 22.90     | 1.84              | 22.06          | 22.06 | 2.04              | 21.14          | 21.14 | 2.27              | 20.13          | 20.13 | 2.55              | 18.98          | 18.98      | 2.87              |                |       |                   |  |
| 900                                                       | 72     | 28.57                                       | 16.50 | 1.70              | 27.42          | 16.10     | 1.87              | 26.21          | 15.67 | 2.08              | 24.91          | 15.21 | 2.31              | 23.51          | 14.73 | 2.58              | 21.94          | 14.19      | 2.90              |                |       |                   |  |
|                                                           | 67     | 26.18                                       | 21.03 | 1.70              | 25.11          | 20.60     | 1.88              | 23.99          | 20.16 | 2.08              | 22.77          | 19.68 | 2.31              | 21.46          | 19.16 | 2.58              | 19.98          | 18.58      | 2.91              |                |       |                   |  |
|                                                           | 63††   | 24.53                                       | 20.22 | 1.70              | 23.52          | 19.79     | 1.88              | 22.44          | 19.33 | 2.08              | 21.28          | 18.83 | 2.32              | 20.02          | 18.30 | 2.59              | 18.58          | 17.68      | 2.92              |                |       |                   |  |
|                                                           | 62     | 24.50                                       | 24.50 | 1.70              | 23.67          | 23.67     | 1.88              | 22.78          | 22.78 | 2.08              | 21.82          | 21.82 | 2.31              | 20.76          | 20.76 | 2.59              | 19.55          | 19.55      | 2.91              |                |       |                   |  |
|                                                           | 57     | 24.47                                       | 24.47 | 1.70              | 23.64          | 23.64     | 1.88              | 22.75          | 22.75 | 2.08              | 21.79          | 21.79 | 2.31              | 20.73          | 20.73 | 2.59              | 19.52          | 19.52      | 2.91              |                |       |                   |  |



| EVAPORATOR AIR                                             |        | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |        |                    |
|------------------------------------------------------------|--------|---------------------------------------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|--------|--------------------|
|                                                            |        | 75 (23.9)                                   |       |                    | 85 (29.4)      |       |                    | 95 (35)        |       |                    | 105 (40.6)     |       |                    | 115 (46.1)     |       |                    | 125 (51.7)     |        |                    |
| CFM                                                        | EWB °F | Capacity MBtuh                              |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |        | Total Sys-tem KW** |
|                                                            |        | Total                                       | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens ‡ |                    |
| NXA430GKC Outdoor Section With EA*4X37L21A* Indoor Section |        |                                             |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |        |                    |
| 875                                                        | 72     | 34.17                                       | 17.94 | 1.96               | 32.63          | 17.38 | 2.16               | 31.02          | 16.79 | 2.40               | 29.33          | 16.18 | 2.66               | 27.51          | 15.54 | 2.98               | 25.57          | 14.86  | 3.35               |
|                                                            | 67     | 31.02                                       | 22.10 | 1.97               | 29.61          | 21.53 | 2.17               | 28.14          | 20.94 | 2.40               | 26.58          | 20.31 | 2.66               | 24.91          | 19.66 | 2.98               | 23.13          | 18.96  | 3.35               |
|                                                            | 63††   | 28.77                                       | 21.25 | 1.97               | 27.46          | 20.67 | 2.17               | 26.08          | 20.08 | 2.40               | 24.62          | 19.45 | 2.67               | 23.07          | 18.79 | 2.98               | 21.39          | 18.09  | 3.35               |
|                                                            | 62     | 28.19                                       | 26.15 | 1.97               | 26.92          | 25.56 | 2.17               | 25.60          | 25.36 | 2.40               | 24.34          | 24.34 | 2.66               | 23.11          | 23.11 | 2.98               | 21.76          | 21.76  | 3.35               |
|                                                            | 57     | 27.51                                       | 27.51 | 1.97               | 26.51          | 26.51 | 2.17               | 25.45          | 25.45 | 2.40               | 24.30          | 24.30 | 2.66               | 23.07          | 23.07 | 2.98               | 21.73          | 21.73  | 3.35               |
| 1000                                                       | 72     | 34.79                                       | 18.95 | 2.01               | 33.19          | 18.37 | 2.21               | 31.51          | 17.78 | 2.44               | 29.73          | 17.16 | 2.71               | 27.85          | 16.51 | 3.03               | 25.85          | 15.82  | 3.40               |
|                                                            | 67     | 31.61                                       | 23.69 | 2.01               | 30.13          | 23.11 | 2.21               | 28.60          | 22.50 | 2.44               | 26.98          | 21.87 | 2.71               | 25.25          | 21.19 | 3.03               | 23.42          | 20.49  | 3.40               |
|                                                            | 63††   | 29.34                                       | 22.73 | 2.02               | 27.97          | 22.14 | 2.22               | 26.53          | 21.53 | 2.45               | 25.01          | 20.89 | 2.71               | 23.40          | 20.21 | 3.03               | 21.68          | 19.49  | 3.40               |
|                                                            | 62     | 28.87                                       | 28.71 | 2.01               | 27.71          | 27.71 | 2.22               | 26.56          | 26.56 | 2.45               | 25.33          | 25.33 | 2.71               | 24.00          | 24.00 | 3.03               | 22.57          | 22.57  | 3.40               |
|                                                            | 57     | 28.75                                       | 28.75 | 2.01               | 27.66          | 27.66 | 2.22               | 26.52          | 26.52 | 2.45               | 25.29          | 25.29 | 2.71               | 23.97          | 23.97 | 3.03               | 22.54          | 22.54  | 3.40               |
| 1125                                                       | 72     | 35.24                                       | 19.93 | 2.06               | 33.57          | 19.35 | 2.26               | 31.84          | 18.74 | 2.49               | 30.02          | 18.11 | 2.76               | 28.08          | 17.45 | 3.08               | 26.02          | 16.75  | 3.45               |
|                                                            | 67     | 32.05                                       | 25.24 | 2.06               | 30.53          | 24.64 | 2.26               | 28.94          | 24.02 | 2.49               | 27.27          | 23.37 | 2.76               | 25.51          | 22.69 | 3.08               | 23.63          | 21.95  | 3.45               |
|                                                            | 63††   | 29.77                                       | 24.16 | 2.06               | 28.34          | 23.56 | 2.26               | 26.86          | 22.94 | 2.49               | 25.30          | 22.28 | 2.76               | 23.65          | 21.59 | 3.08               | 21.90          | 20.83  | 3.45               |
|                                                            | 62     | 29.83                                       | 29.83 | 2.06               | 28.67          | 28.67 | 2.26               | 27.45          | 27.45 | 2.49               | 26.15          | 26.15 | 2.76               | 24.74          | 24.74 | 3.07               | 23.23          | 23.23  | 3.45               |
|                                                            | 57     | 29.79                                       | 29.79 | 2.06               | 28.63          | 28.63 | 2.26               | 27.41          | 27.41 | 2.49               | 26.11          | 26.11 | 2.76               | 24.71          | 24.71 | 3.07               | 23.20          | 23.20  | 3.45               |

| EVAPORATOR AIR                                             |        | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |        |                    |
|------------------------------------------------------------|--------|---------------------------------------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|--------|--------------------|
|                                                            |        | 75 (23.9)                                   |       |                    | 85 (29.4)      |       |                    | 95 (35)        |       |                    | 105 (40.6)     |       |                    | 115 (46.1)     |       |                    | 125 (51.7)     |        |                    |
| CFM                                                        | EWB °F | Capacity MBtuh                              |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |        | Total Sys-tem KW** |
|                                                            |        | Total                                       | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens ‡ |                    |
| NXA436GKC Outdoor Section With EA*4X37L21A* Indoor Section |        |                                             |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |        |                    |
| 1050                                                       | 72     | 41.01                                       | 22.33 | 2.30               | 39.34          | 21.71 | 2.58               | 37.16          | 20.92 | 2.85               | 34.76          | 20.05 | 3.16               | 32.31          | 19.19 | 3.53               | 29.95          | 18.38  | 4.00               |
|                                                            | 67     | 38.18                                       | 28.11 | 2.30               | 36.67          | 27.49 | 2.57               | 34.60          | 26.64 | 2.84               | 32.34          | 25.73 | 3.14               | 30.03          | 24.81 | 3.50               | 27.81          | 23.93  | 3.98               |
|                                                            | 63††   | 35.95                                       | 27.24 | 2.31               | 34.52          | 26.60 | 2.58               | 32.59          | 25.75 | 2.84               | 30.42          | 24.81 | 3.13               | 28.19          | 23.85 | 3.50               | 26.15          | 22.98  | 3.98               |
|                                                            | 62     | 35.34                                       | 33.63 | 2.31               | 33.97          | 32.97 | 2.57               | 32.13          | 32.02 | 2.83               | 30.31          | 30.31 | 3.13               | 28.47          | 28.47 | 3.50               | 26.72          | 26.72  | 3.98               |
|                                                            | 57     | 34.72                                       | 34.72 | 2.32               | 33.59          | 33.59 | 2.58               | 32.04          | 32.04 | 2.84               | 30.27          | 30.27 | 3.13               | 28.43          | 28.43 | 3.50               | 26.69          | 26.69  | 3.98               |
| 1200                                                       | 72     | 41.38                                       | 23.50 | 2.36               | 39.65          | 22.88 | 2.64               | 37.35          | 22.06 | 2.91               | 34.95          | 21.21 | 3.22               | 32.45          | 20.34 | 3.59               | 30.04          | 19.50  | 4.06               |
|                                                            | 67     | 38.62                                       | 30.04 | 2.36               | 37.06          | 29.41 | 2.63               | 34.94          | 28.56 | 2.90               | 32.63          | 27.64 | 3.20               | 30.27          | 26.71 | 3.56               | 27.99          | 25.80  | 4.04               |
|                                                            | 63††   | 36.46                                       | 29.05 | 2.37               | 34.99          | 28.41 | 2.63               | 32.98          | 27.54 | 2.89               | 30.76          | 26.59 | 3.19               | 28.46          | 25.61 | 3.55               | 26.38          | 24.71  | 4.04               |
|                                                            | 62     | 36.09                                       | 35.91 | 2.37               | 34.84          | 34.84 | 2.63               | 33.16          | 33.16 | 2.89               | 31.29          | 31.29 | 3.19               | 29.34          | 29.34 | 3.56               | 27.44          | 27.44  | 4.04               |
|                                                            | 57     | 36.00                                       | 36.00 | 2.37               | 34.79          | 34.79 | 2.63               | 33.12          | 33.12 | 2.89               | 31.24          | 31.24 | 3.19               | 29.30          | 29.30 | 3.56               | 27.42          | 27.42  | 4.04               |
| 1350                                                       | 72     | 41.60                                       | 24.63 | 2.42               | 39.82          | 24.00 | 2.70               | 37.54          | 23.20 | 2.97               | 35.04          | 22.33 | 3.28               | 32.50          | 21.46 | 3.65               | 30.06          | 20.63  | 4.12               |
|                                                            | 67     | 38.92                                       | 31.92 | 2.41               | 37.32          | 31.28 | 2.68               | 35.15          | 30.42 | 2.95               | 32.81          | 29.49 | 3.26               | 30.41          | 28.52 | 3.62               | 28.13          | 27.55  | 4.10               |
|                                                            | 63††   | 36.82                                       | 30.81 | 2.42               | 35.31          | 30.16 | 2.69               | 33.26          | 29.28 | 2.95               | 31.00          | 28.31 | 3.25               | 28.69          | 27.30 | 3.62               | 26.56          | 26.31  | 4.10               |
|                                                            | 62     | 37.07                                       | 37.07 | 2.42               | 35.77          | 35.77 | 2.68               | 33.98          | 33.98 | 2.95               | 32.01          | 32.01 | 3.25               | 29.98          | 29.98 | 3.62               | 27.99          | 27.99  | 4.10               |
|                                                            | 57     | 37.02                                       | 37.02 | 2.42               | 35.73          | 35.73 | 2.68               | 33.95          | 33.95 | 2.95               | 31.98          | 31.98 | 3.25               | 29.95          | 29.95 | 3.62               | 27.97          | 27.97  | 4.10               |

| EVAPORATOR AIR                                           |        | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |
|----------------------------------------------------------|--------|---------------------------------------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|
|                                                          |        | 75 (23.9)                                   |       |                    | 85 (29.4)      |       |                    | 95 (35)        |       |                    | 105 (40.6)     |       |                    | 115 (46.1)     |       |                    | 125 (51.7)     |       |                    |
| CFM                                                      | EWB °F | Capacity MBtuh                              |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** |
|                                                          |        | Total                                       | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    |
| NXA442GKC Outdoor Section With EB*4X43L21 Indoor Section |        |                                             |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |
| 1225                                                     | 72     | 46.79                                       | 25.57 | 2.60               | 44.65          | 24.77 | 2.86               | 42.40          | 23.95 | 3.15               | 40.04          | 23.09 | 3.47               | 37.52          | 22.19 | 3.84               | 34.83          | 21.24 | 4.26               |
|                                                          | 67     | 42.38                                       | 31.68 | 2.61               | 40.45          | 30.89 | 2.86               | 38.42          | 30.07 | 3.15               | 36.27          | 29.20 | 3.47               | 33.99          | 28.29 | 3.84               | 31.54          | 27.32 | 4.25               |
|                                                          | 63††   | 39.24                                       | 30.38 | 2.61               | 37.46          | 29.59 | 2.86               | 35.58          | 28.77 | 3.15               | 33.58          | 27.91 | 3.47               | 31.47          | 26.99 | 3.83               | 29.19          | 26.02 | 4.24               |
|                                                          | 62     | 38.60                                       | 37.63 | 2.61               | 36.93          | 36.70 | 2.86               | 35.35          | 35.35 | 3.14               | 33.75          | 33.75 | 3.47               | 32.02          | 32.02 | 3.83               | 30.14          | 30.14 | 4.24               |
|                                                          | 57     | 38.17                                       | 38.17 | 2.61               | 36.78          | 36.78 | 2.86               | 35.29          | 35.29 | 3.14               | 33.70          | 33.70 | 3.47               | 31.98          | 31.98 | 3.83               | 30.10          | 30.10 | 4.24               |
| 1400                                                     | 72     | 47.55                                       | 27.01 | 2.67               | 45.33          | 26.20 | 2.93               | 42.99          | 25.37 | 3.21               | 40.52          | 24.49 | 3.54               | 37.91          | 23.57 | 3.91               | 35.15          | 22.61 | 4.32               |
|                                                          | 67     | 43.11                                       | 33.98 | 2.67               | 41.10          | 33.17 | 2.93               | 38.99          | 32.32 | 3.21               | 36.77          | 31.44 | 3.54               | 34.41          | 30.50 | 3.90               | 31.91          | 29.50 | 4.32               |
|                                                          | 63††   | 39.94                                       | 32.51 | 2.67               | 38.08          | 31.70 | 2.93               | 36.14          | 30.86 | 3.21               | 34.06          | 29.97 | 3.54               | 31.88          | 29.03 | 3.90               | 29.56          | 28.02 | 4.31               |
|                                                          | 62     | 39.87                                       | 39.87 | 2.67               | 38.37          | 38.37 | 2.93               | 36.76          | 36.76 | 3.21               | 35.04          | 35.04 | 3.54               | 33.19          | 33.19 | 3.90               | 31.17          | 31.17 | 4.32               |
|                                                          | 57     | 39.81                                       | 39.81 | 2.67               | 38.31          | 38.31 | 2.93               | 36.71          | 36.71 | 3.21               | 34.99          | 34.99 | 3.54               | 33.14          | 33.14 | 3.90               | 31.13          | 31.13 | 4.31               |
| 1575                                                     | 72     | 48.11                                       | 28.39 | 2.74               | 45.80          | 27.57 | 2.99               | 43.39          | 26.72 | 3.28               | 40.85          | 25.83 | 3.61               | 38.17          | 24.91 | 3.98               | 35.33          | 23.93 | 4.39               |
|                                                          | 67     | 43.66                                       | 36.19 | 2.74               | 41.58          | 35.36 | 2.99               | 39.41          | 34.49 | 3.28               | 37.13          | 33.57 | 3.60               | 34.73          | 32.60 | 3.97               | 32.20          | 31.50 | 4.38               |
|                                                          | 63††   | 40.46                                       | 34.55 | 2.74               | 38.54          | 33.72 | 2.99               | 36.53          | 32.85 | 3.28               | 34.42          | 31.93 | 3.60               | 32.20          | 30.94 | 3.97               | 29.88          | 29.72 | 4.38               |
|                                                          | 62     | 41.18                                       | 41.18 | 2.74               | 39.58          | 39.58 | 2.99               | 37.88          | 37.88 | 3.28               | 36.06          | 36.06 | 3.60               | 34.10          | 34.10 | 3.97               | 31.98          | 31.98 | 4.38               |
|                                                          | 57     | 41.12                                       | 41.12 | 2.74               | 39.53          | 39.53 | 2.99               | 37.83          | 37.83 | 3.28               | 36.01          | 36.01 | 3.60               | 34.05          | 34.05 | 3.97               | 31.94          | 31.94 | 4.38               |

| EVAPORATOR AIR                                            |        | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |        |                    |
|-----------------------------------------------------------|--------|---------------------------------------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|-------|--------------------|----------------|--------|--------------------|
|                                                           |        | 75 (23.9)                                   |       |                    | 85 (29.4)      |       |                    | 95 (35)        |       |                    | 105 (40.6)     |       |                    | 115 (46.1)     |       |                    | 125 (51.7)     |        |                    |
| CFM                                                       | EWB °F | Capacity MBtuh                              |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |       | Total Sys-tem KW** | Capacity MBtuh |        | Total Sys-tem KW** |
|                                                           |        | Total                                       | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens† |                    | Total          | Sens ‡ |                    |
| NXA448GKC Outdoor Section With EA*4X61L24* Indoor Section |        |                                             |       |                    |                |       |                    |                |       |                    |                |       |                    |                |       |                    |                |        |                    |
| 1400                                                      | 72     | 53.91                                       | 26.70 | 3.12               | 51.70          | 25.95 | 3.46               | 49.29          | 25.14 | 3.81               | 46.61          | 24.25 | 4.20               | 43.50          | 23.23 | 4.66               | 39.94          | 22.07  | 5.22               |
|                                                           | 67     | 49.07                                       | 33.08 | 3.15               | 47.03          | 32.30 | 3.47               | 44.83          | 31.48 | 3.81               | 42.36          | 30.56 | 4.19               | 39.52          | 29.52 | 4.65               | 36.26          | 28.33  | 5.22               |
|                                                           | 63††   | 45.60                                       | 31.80 | 3.16               | 43.67          | 31.02 | 3.48               | 41.61          | 30.19 | 3.81               | 39.31          | 29.27 | 4.18               | 36.66          | 28.22 | 4.64               | 33.61          | 27.02  | 5.22               |
|                                                           | 62     | 44.81                                       | 39.26 | 3.16               | 42.96          | 38.43 | 3.48               | 41.03          | 40.90 | 3.80               | 39.14          | 39.14 | 4.18               | 36.99          | 36.99 | 4.64               | 34.49          | 34.49  | 5.22               |
|                                                           | 57     | 44.02                                       | 44.02 | 3.16               | 42.51          | 42.51 | 3.48               | 40.91          | 40.91 | 3.80               | 39.08          | 39.08 | 4.18               | 36.94          | 36.94 | 4.64               | 34.44          | 34.44  | 5.22               |
| 1600                                                      | 72     | 54.74                                       | 28.18 | 3.20               | 52.46          | 27.42 | 3.54               | 49.97          | 26.60 | 3.89               | 47.17          | 25.68 | 4.28               | 43.95          | 24.64 | 4.74               | 40.30          | 23.48  | 5.30               |
|                                                           | 67     | 49.91                                       | 35.43 | 3.22               | 47.78          | 34.64 | 3.55               | 45.50          | 33.80 | 3.89               | 42.95          | 32.87 | 4.27               | 40.01          | 31.79 | 4.73               | 36.67          | 30.58  | 5.30               |
|                                                           | 63††   | 46.41                                       | 33.99 | 3.23               | 44.41          | 33.19 | 3.55               | 42.28          | 32.35 | 3.89               | 39.89          | 31.40 | 4.26               | 37.15          | 30.32 | 4.72               | 34.04          | 29.09  | 5.30               |
|                                                           | 62     | 45.97                                       | 45.97 | 3.23               | 44.36          | 44.36 | 3.55               | 42.62          | 42.62 | 3.89               | 40.65          | 40.65 | 4.27               | 38.35          | 38.35 | 4.73               | 35.68          | 35.68  | 5.30               |
|                                                           | 57     | 45.90                                       | 45.90 | 3.23               | 44.29          | 44.29 | 3.55               | 42.56          | 42.56 | 3.89               | 40.59          | 40.59 | 4.27               | 38.30          | 38.30 | 4.73               | 35.63          | 35.63  | 5.30               |
| 1800                                                      | 72     | 55.35                                       | 29.59 | 3.27               | 53.00          | 28.82 | 3.62               | 50.43          | 27.99 | 3.97               | 47.55          | 27.07 | 4.35               | 44.26          | 26.02 | 4.82               | 40.51          | 24.83  | 5.38               |
|                                                           | 67     | 50.51                                       | 37.70 | 3.29               | 48.34          | 36.90 | 3.63               | 45.99          | 36.05 | 3.97               | 43.37          | 35.09 | 4.35               | 40.38          | 33.98 | 4.81               | 37.00          | 32.68  | 5.38               |
|                                                           | 63††   | 47.02                                       | 36.10 | 3.31               | 44.97          | 35.29 | 3.63               | 42.77          | 34.42 | 3.97               | 40.33          | 33.45 | 4.34               | 37.54          | 32.33 | 4.81               | 34.39          | 30.98  | 5.38               |
|                                                           | 62     | 47.51                                       | 47.51 | 3.31               | 45.80          | 45.80 | 3.63               | 43.96          | 43.96 | 3.97               | 41.87          | 41.87 | 4.35               | 39.44          | 39.44 | 4.81               | 36.63          | 36.63  | 5.38               |
|                                                           | 57     | 47.45                                       | 47.45 | 3.31               | 45.74          | 45.74 | 3.63               | 43.91          | 43.91 | 3.97               | 41.82          | 41.82 | 4.35               | 39.40          | 39.40 | 4.81               | 36.58          | 36.58  | 5.38               |

| EVAPORATOR AIR                                             |        | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |       |                   |                |       |                   |                |       |                   |                |       |                   |                |       |                   |                |       |                   |
|------------------------------------------------------------|--------|---------------------------------------------|-------|-------------------|----------------|-------|-------------------|----------------|-------|-------------------|----------------|-------|-------------------|----------------|-------|-------------------|----------------|-------|-------------------|
|                                                            |        | 75 (23.9)                                   |       |                   | 85 (29.4)      |       |                   | 95 (35)        |       |                   | 105 (40.6)     |       |                   | 115 (46.1)     |       |                   | 125 (51.7)     |       |                   |
| CFM                                                        | EWB °F | Capacity MBtuh                              |       | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |       | Total System KW** | Capacity MBtuh |       | Total System KW** |
|                                                            |        | Total                                       | Sens† |                   | Total          | Sens† |                   | Total          | Sens† |                   | Total          | Sens† |                   | Total          | Sens† |                   | Total          | Sens† |                   |
| NXA460GKC Outdoor Section With EA*4X60L24A* Indoor Section |        |                                             |       |                   |                |       |                   |                |       |                   |                |       |                   |                |       |                   |                |       |                   |
| 1750                                                       | 72     | 68.41                                       | 35.82 | 4.01              | 65.35          | 34.67 | 4.39              | 62.15          | 33.49 | 4.86              | 58.70          | 32.23 | 5.39              | 55.01          | 30.89 | 5.96              | 50.87          | 29.41 | 6.55              |
|                                                            | 67     | 62.24                                       | 44.04 | 4.01              | 59.41          | 42.88 | 4.38              | 56.50          | 41.69 | 4.83              | 53.38          | 40.43 | 5.35              | 50.00          | 39.08 | 5.91              | 46.23          | 37.59 | 6.49              |
|                                                            | 63††   | 57.78                                       | 42.37 | 4.02              | 55.13          | 41.19 | 4.37              | 52.41          | 39.99 | 4.81              | 49.54          | 38.75 | 5.32              | 46.39          | 37.40 | 5.87              | 42.89          | 35.91 | 6.45              |
|                                                            | 62     | 56.92                                       | 52.17 | 4.02              | 54.40          | 50.96 | 4.37              | 51.84          | 49.69 | 4.81              | 49.16          | 49.16 | 5.32              | 46.64          | 46.64 | 5.88              | 43.73          | 43.73 | 6.46              |
|                                                            | 57     | 55.64                                       | 55.64 | 4.02              | 53.56          | 53.56 | 4.37              | 51.43          | 51.43 | 4.81              | 49.13          | 49.13 | 5.32              | 46.56          | 46.56 | 5.88              | 43.68          | 43.68 | 6.46              |
| 2000                                                       | 72     | 69.54                                       | 37.55 | 4.10              | 66.36          | 36.39 | 4.49              | 63.04          | 35.18 | 4.96              | 59.50          | 33.91 | 5.49              | 55.63          | 32.53 | 6.06              | 51.36          | 31.03 | 6.66              |
|                                                            | 67     | 63.30                                       | 46.83 | 4.11              | 60.35          | 45.64 | 4.47              | 57.34          | 44.44 | 4.93              | 54.11          | 43.16 | 5.45              | 50.61          | 41.77 | 6.01              | 46.74          | 40.24 | 6.60              |
|                                                            | 63††   | 58.79                                       | 44.95 | 4.11              | 56.04          | 43.76 | 4.47              | 53.23          | 42.55 | 4.91              | 50.24          | 41.27 | 5.42              | 47.00          | 39.89 | 5.98              | 43.39          | 38.33 | 6.56              |
|                                                            | 62     | 58.25                                       | 55.83 | 4.11              | 55.72          | 55.33 | 4.47              | 53.37          | 53.37 | 4.91              | 50.91          | 50.91 | 5.43              | 48.16          | 48.16 | 5.99              | 45.09          | 45.09 | 6.58              |
|                                                            | 57     | 57.80                                       | 57.80 | 4.11              | 55.59          | 55.59 | 4.47              | 53.30          | 53.30 | 4.91              | 50.84          | 50.84 | 5.43              | 48.11          | 48.11 | 5.99              | 45.03          | 45.03 | 6.58              |
| 2250                                                       | 72     | 70.37                                       | 39.17 | 4.20              | 67.10          | 37.99 | 4.59              | 63.67          | 36.77 | 5.06              | 60.02          | 35.48 | 5.59              | 56.04          | 34.08 | 6.17              | 51.66          | 32.55 | 6.76              |
|                                                            | 67     | 64.08                                       | 49.47 | 4.20              | 61.08          | 48.28 | 4.57              | 57.95          | 47.04 | 5.03              | 54.64          | 45.73 | 5.55              | 51.07          | 44.31 | 6.12              | 47.12          | 42.69 | 6.70              |
|                                                            | 63††   | 59.56                                       | 47.41 | 4.20              | 56.73          | 46.20 | 4.56              | 53.82          | 44.95 | 5.01              | 50.77          | 43.65 | 5.52              | 47.44          | 42.21 | 6.08              | 43.78          | 40.57 | 6.66              |
|                                                            | 62     | 59.69                                       | 59.69 | 4.20              | 57.32          | 57.32 | 4.56              | 54.90          | 54.90 | 5.02              | 52.28          | 52.28 | 5.53              | 49.41          | 49.41 | 6.10              | 46.17          | 46.17 | 6.69              |
|                                                            | 57     | 59.58                                       | 59.58 | 4.20              | 57.25          | 57.25 | 4.56              | 54.83          | 54.83 | 5.02              | 52.23          | 52.23 | 5.53              | 49.35          | 49.35 | 6.10              | 46.12          | 46.12 | 6.69              |

† 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).

# Expanded cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240–2008. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\*\* 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.

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

EWB — Entering Wet Bulb

## CONDENSER ONLY RATINGS

| SST<br>°F (°C) |     | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |            |            |            |           |             |             |             |
|----------------|-----|---------------------------------------------|------------|------------|------------|-----------|-------------|-------------|-------------|
|                |     | 55 (12.78)                                  | 65 (18.33) | 75 (23.89) | 85 (29.44) | 95 (35.0) | 105 (40.56) | 115 (46.11) | 125 (51.67) |
| NXA418GKC      |     |                                             |            |            |            |           |             |             |             |
| 30<br>(-1.11)  | TCG | 16.00                                       | 14.90      | 13.90      | 12.90      | 12.00     | 10.90       | 9.80        | 8.60        |
|                | SDT | 73.60                                       | 83.20      | 92.80      | 102.60     | 112.40    | 122.40      | 132.30      | 142.40      |
|                | KW  | 0.77                                        | 0.88       | 0.99       | 1.12       | 1.27      | 1.44        | 1.65        | 1.88        |
| 35<br>(1.67)   | TCG | 17.60                                       | 16.50      | 15.40      | 14.40      | 13.40     | 12.20       | 11.00       | 9.80        |
|                | SDT | 75.00                                       | 84.60      | 94.30      | 104.00     | 113.80    | 123.50      | 133.50      | 143.50      |
|                | KW  | 0.77                                        | 0.88       | 1.00       | 1.13       | 1.28      | 1.46        | 1.66        | 1.90        |
| 40<br>(4.44)   | TCG | 19.40                                       | 18.20      | 17.10      | 16.00      | 14.90     | 13.70       | 12.40       | 11.00       |
|                | SDT | 76.50                                       | 86.10      | 95.80      | 105.40     | 115.00    | 124.80      | 134.60      | 144.60      |
|                | KW  | 0.77                                        | 0.88       | 1.00       | 1.14       | 1.29      | 1.47        | 1.67        | 1.91        |
| 45<br>(7.22)   | TCG | 21.20                                       | 20.00      | 18.90      | 17.70      | 16.50     | 15.20       | 13.80       | 12.30       |
|                | SDT | 78.00                                       | 87.50      | 97.10      | 106.70     | 116.40    | 126.10      | 135.90      | 145.70      |
|                | KW  | 0.77                                        | 0.88       | 1.01       | 1.14       | 1.30      | 1.48        | 1.69        | 1.93        |
| 50<br>(10.0)   | TCG | 23.20                                       | 22.00      | 20.80      | 19.50      | 18.30     | 16.90       | 15.40       | 13.80       |
|                | SDT | 79.30                                       | 88.90      | 98.50      | 108.10     | 117.70    | 127.40      | 137.10      | 146.90      |
|                | KW  | 0.76                                        | 0.88       | 1.01       | 1.15       | 1.30      | 1.49        | 1.70        | 1.94        |
| 55<br>(12.78)  | TCG | 25.30                                       | 24.00      | 22.80      | 21.50      | 20.10     | 18.70       | 17.10       | 15.40       |
|                | SDT | 80.80                                       | 90.40      | 100.00     | 109.50     | 119.10    | 128.80      | 138.40      | 148.00      |
|                | KW  | 0.75                                        | 0.87       | 1.00       | 1.15       | 1.31      | 1.50        | 1.71        | 1.95        |
| NXA424GKC      |     |                                             |            |            |            |           |             |             |             |
| 30<br>(-1.11)  | TCG | 21.30                                       | 20.10      | 18.90      | 17.70      | 16.60     | 15.40       | 14.20       | 13.00       |
|                | SDT | 69.90                                       | 79.40      | 88.80      | 98.30      | 107.80    | 117.30      | 126.70      | 136.10      |
|                | KW  | 1.05                                        | 1.21       | 1.37       | 1.54       | 1.74      | 1.96        | 2.22        | 2.52        |
| 35<br>(1.67)   | TCG | 23.40                                       | 22.10      | 20.80      | 19.60      | 18.30     | 17.10       | 15.80       | 14.40       |
|                | SDT | 71.10                                       | 80.60      | 90.00      | 99.50      | 108.90    | 118.20      | 127.50      | 136.90      |
|                | KW  | 1.06                                        | 1.21       | 1.37       | 1.54       | 1.74      | 1.96        | 2.22        | 2.52        |
| 40<br>(4.44)   | TCG | 25.60                                       | 24.20      | 22.90      | 21.50      | 20.20     | 18.80       | 17.40       | 15.90       |
|                | SDT | 72.40                                       | 81.80      | 91.20      | 100.60     | 109.80    | 119.10      | 128.40      | 137.70      |
|                | KW  | 1.06                                        | 1.21       | 1.37       | 1.55       | 1.74      | 1.97        | 2.22        | 2.53        |
| 45<br>(7.22)   | TCG | 28.00                                       | 26.50      | 25.10      | 23.60      | 22.10     | 20.60       | 19.00       | 17.40       |
|                | SDT | 73.80                                       | 83.20      | 92.40      | 101.70     | 110.90    | 120.20      | 129.40      | 138.60      |
|                | KW  | 1.07                                        | 1.22       | 1.37       | 1.55       | 1.74      | 1.97        | 2.23        | 2.53        |
| 50<br>(10.0)   | TCG | 30.50                                       | 28.90      | 27.30      | 25.80      | 24.10     | 22.50       | 20.80       | 19.00       |
|                | SDT | 75.20                                       | 84.40      | 93.70      | 102.90     | 112.10    | 121.20      | 130.40      | 139.60      |
|                | KW  | 1.07                                        | 1.22       | 1.37       | 1.55       | 1.74      | 1.97        | 2.23        | 2.53        |
| 55<br>(12.78)  | TCG | 33.20                                       | 31.50      | 29.80      | 28.00      | 26.20     | 24.40       | 22.60       | 20.70       |
|                | SDT | 76.70                                       | 85.80      | 95.00      | 104.20     | 113.30    | 122.40      | 131.50      | 140.60      |
|                | KW  | 1.07                                        | 1.22       | 1.38       | 1.55       | 1.75      | 1.97        | 2.23        | 2.53        |
| NXA430GKC      |     |                                             |            |            |            |           |             |             |             |
| 30<br>(-1.11)  | TCG | 24.90                                       | 23.60      | 22.30      | 21.00      | 19.60     | 18.30       | 16.80       | 15.20       |
|                | SDT | 68.80                                       | 78.20      | 87.70      | 97.20      | 106.60    | 116.00      | 125.40      | 134.80      |
|                | KW  | 1.22                                        | 1.39       | 1.56       | 1.74       | 1.95      | 2.19        | 2.47        | 2.80        |
| 35<br>(1.67)   | TCG | 27.40                                       | 26.00      | 24.60      | 23.20      | 21.70     | 20.20       | 18.60       | 16.90       |
|                | SDT | 70.00                                       | 79.40      | 88.80      | 98.10      | 107.50    | 116.90      | 126.20      | 135.50      |
|                | KW  | 1.23                                        | 1.39       | 1.56       | 1.75       | 1.96      | 2.20        | 2.48        | 2.81        |
| 40<br>(4.44)   | TCG | 30.10                                       | 28.60      | 27.00      | 25.50      | 23.90     | 22.20       | 20.50       | 18.70       |
|                | SDT | 71.30                                       | 80.60      | 89.90      | 99.20      | 108.50    | 117.80      | 127.10      | 136.40      |
|                | KW  | 1.24                                        | 1.40       | 1.57       | 1.76       | 1.97      | 2.21        | 2.49        | 2.82        |
| 45<br>(7.22)   | TCG | 33.10                                       | 31.40      | 29.70      | 28.00      | 26.30     | 24.50       | 22.60       | 20.60       |
|                | SDT | 72.70                                       | 81.90      | 91.10      | 100.40     | 109.60    | 118.90      | 128.10      | 137.30      |
|                | KW  | 1.24                                        | 1.40       | 1.57       | 1.76       | 1.97      | 2.22        | 2.50        | 2.83        |
| 50<br>(10.0)   | TCG | 36.20                                       | 34.40      | 32.50      | 30.70      | 28.80     | 26.80       | 24.80       | 22.60       |
|                | SDT | 74.20                                       | 83.20      | 92.40      | 101.60     | 110.80    | 120.00      | 129.10      | 138.20      |
|                | KW  | 1.25                                        | 1.41       | 1.58       | 1.77       | 1.98      | 2.22        | 2.51        | 2.84        |
| 55<br>(12.78)  | TCG | 39.60                                       | 37.60      | 35.60      | 33.50      | 31.50     | 29.30       | 27.10       | 24.80       |
|                | SDT | 75.70                                       | 84.70      | 93.80      | 102.90     | 112.00    | 121.10      | 130.20      | 139.20      |
|                | KW  | 1.25                                        | 1.41       | 1.58       | 1.77       | 1.98      | 2.23        | 2.52        | 2.85        |
| NXA436GKC      |     |                                             |            |            |            |           |             |             |             |
| 30<br>(-1.11)  | TCG | 26.10                                       | 27.90      | 27.70      | 26.40      | 24.50     | 22.40       | 20.20       | 18.30       |
|                | SDT | 67.10                                       | 78.20      | 88.40      | 98.00      | 107.30    | 116.50      | 125.70      | 135.10      |
|                | KW  | 1.34                                        | 1.73       | 2.00       | 2.24       | 2.48      | 2.75        | 3.08        | 3.51        |
| 35<br>(1.67)   | TCG | 29.80                                       | 31.20      | 30.80      | 29.30      | 27.20     | 24.90       | 22.60       | 20.50       |
|                | SDT | 68.60                                       | 79.50      | 89.50      | 98.90      | 108.10    | 117.30      | 126.50      | 135.80      |
|                | KW  | 1.33                                        | 1.71       | 1.99       | 2.23       | 2.47      | 2.74        | 3.07        | 3.51        |
| 40<br>(4.44)   | TCG | 33.60                                       | 34.60      | 33.90      | 32.20      | 30.00     | 27.50       | 25.10       | 22.80       |
|                | SDT | 70.00                                       | 80.80      | 90.50      | 99.80      | 109.10    | 118.20      | 127.30      | 136.60      |
|                | KW  | 1.31                                        | 1.69       | 1.97       | 2.21       | 2.46      | 2.73        | 3.07        | 3.50        |
| 45<br>(7.22)   | TCG | 37.30                                       | 38.00      | 37.10      | 35.20      | 32.70     | 30.10       | 27.50       | 25.10       |
|                | SDT | 71.40                                       | 81.80      | 91.50      | 100.80     | 110.00    | 119.00      | 128.10      | 137.30      |
|                | KW  | 1.30                                        | 1.67       | 1.95       | 2.20       | 2.45      | 2.73        | 3.07        | 3.50        |
| 50<br>(10.0)   | TCG | 41.00                                       | 41.30      | 40.10      | 38.00      | 35.40     | 32.60       | 29.80       | 27.30       |
|                | SDT | 72.60                                       | 82.80      | 92.40      | 101.70     | 110.80    | 119.80      | 128.90      | 138.00      |
|                | KW  | 1.28                                        | 1.65       | 1.94       | 2.19       | 2.45      | 2.74        | 3.08        | 3.51        |
| 55<br>(12.78)  | TCG | 44.50                                       | 44.50      | 43.00      | 40.70      | 37.90     | 34.90       | 32.00       | 29.20       |
|                | SDT | 73.70                                       | 83.80      | 93.40      | 102.60     | 111.70    | 120.60      | 129.60      | 138.70      |
|                | KW  | 1.26                                        | 1.64       | 1.94       | 2.20       | 2.46      | 2.75        | 3.09        | 3.53        |

See notes on page 12

## CONDENSER ONLY RATINGS CONTINUED

| SST<br>°F (°C) |     | CONDENSER ENTERING AIR TEMPERATURES °F (°C) |            |            |            |           |             |             |             |
|----------------|-----|---------------------------------------------|------------|------------|------------|-----------|-------------|-------------|-------------|
|                |     | 55 (12.78)                                  | 65 (18.33) | 75 (23.89) | 85 (29.44) | 95 (35.0) | 105 (40.56) | 115 (46.11) | 125 (51.67) |
| NXA442GKC      |     |                                             |            |            |            |           |             |             |             |
| 30<br>(-1.11)  | TCG | 33.60                                       | 32.00      | 30.40      | 28.70      | 26.90     | 25.00       | 23.10       | 21.00       |
|                | SDT | 67.80                                       | 77.30      | 86.90      | 96.50      | 106.00    | 115.50      | 125.00      | 134.40      |
|                | KW  | 1.73                                        | 1.92       | 2.14       | 2.39       | 2.66      | 2.97        | 3.31        | 3.70        |
| 35<br>(1.67)   | TCG | 37.10                                       | 35.30      | 33.50      | 31.60      | 29.70     | 27.60       | 25.50       | 23.30       |
|                | SDT | 69.00                                       | 78.50      | 88.00      | 97.50      | 107.00    | 116.40      | 125.70      | 135.10      |
|                | KW  | 1.73                                        | 1.93       | 2.15       | 2.40       | 2.67      | 2.98        | 3.33        | 3.71        |
| 40<br>(4.44)   | TCG | 40.80                                       | 38.90      | 36.90      | 34.80      | 32.70     | 30.50       | 28.10       | 25.70       |
|                | SDT | 70.20                                       | 79.70      | 89.10      | 98.60      | 108.00    | 117.30      | 126.50      | 135.80      |
|                | KW  | 1.74                                        | 1.94       | 2.16       | 2.41       | 2.68      | 2.99        | 3.34        | 3.73        |
| 45<br>(7.22)   | TCG | 44.90                                       | 42.70      | 40.50      | 38.20      | 35.90     | 33.50       | 31.00       | 28.30       |
|                | SDT | 71.60                                       | 80.90      | 90.30      | 99.60      | 108.90    | 118.20      | 127.40      | 136.60      |
|                | KW  | 1.74                                        | 1.94       | 2.17       | 2.41       | 2.69      | 3.00        | 3.35        | 3.74        |
| 50<br>(10.0)   | TCG | 49.30                                       | 46.90      | 44.40      | 42.00      | 39.40     | 36.70       | 34.00       | 31.10       |
|                | SDT | 73.00                                       | 82.30      | 91.50      | 100.70     | 110.00    | 119.20      | 128.30      | 137.50      |
|                | KW  | 1.75                                        | 1.95       | 2.17       | 2.42       | 2.70      | 3.01        | 3.36        | 3.76        |
| 55<br>(12.78)  | TCG | 54.00                                       | 51.40      | 48.70      | 45.90      | 43.10     | 40.20       | 37.20       | 34.10       |
|                | SDT | 74.50                                       | 83.60      | 92.80      | 101.90     | 111.10    | 120.20      | 129.30      | 138.40      |
|                | KW  | 1.75                                        | 1.95       | 2.17       | 2.42       | 2.71      | 3.02        | 3.38        | 3.77        |
| NXA448GKC      |     |                                             |            |            |            |           |             |             |             |
| 30<br>(-1.11)  | TCG | 40.80                                       | 38.00      | 35.60      | 33.50      | 31.40     | 29.10       | 26.60       | 23.70       |
|                | SDT | 69.00                                       | 78.10      | 87.30      | 96.60      | 106.00    | 115.30      | 124.50      | 133.70      |
|                | KW  | 2.01                                        | 2.38       | 2.69       | 2.97       | 3.28      | 3.65        | 4.13        | 4.75        |
| 35<br>(1.67)   | TCG | 44.70                                       | 41.80      | 39.30      | 37.10      | 34.80     | 32.30       | 29.50       | 26.40       |
|                | SDT | 70.30                                       | 79.30      | 88.50      | 97.70      | 107.00    | 116.30      | 125.40      | 134.60      |
|                | KW  | 1.99                                        | 2.37       | 2.69       | 2.99       | 3.30      | 3.67        | 4.14        | 4.75        |
| 40<br>(4.44)   | TCG | 48.90                                       | 45.90      | 43.30      | 40.90      | 38.40     | 35.70       | 32.60       | 29.20       |
|                | SDT | 71.70                                       | 80.60      | 89.80      | 99.00      | 108.20    | 117.30      | 126.50      | 135.50      |
|                | KW  | 1.97                                        | 2.36       | 2.69       | 3.00       | 3.32      | 3.69        | 4.16        | 4.76        |
| 45<br>(7.22)   | TCG | 53.30                                       | 50.30      | 47.60      | 45.00      | 42.20     | 39.30       | 35.90       | 32.20       |
|                | SDT | 73.10                                       | 82.10      | 91.10      | 100.30     | 109.40    | 118.50      | 127.50      | 136.40      |
|                | KW  | 1.94                                        | 2.35       | 2.69       | 3.01       | 3.34      | 3.71        | 4.18        | 4.76        |
| 50<br>(10.0)   | TCG | 58.10                                       | 55.00      | 52.10      | 49.30      | 46.30     | 43.10       | 39.40       | 35.30       |
|                | SDT | 74.70                                       | 83.60      | 92.60      | 101.70     | 110.70    | 119.70      | 128.60      | 137.40      |
|                | KW  | 1.90                                        | 2.32       | 2.68       | 3.01       | 3.35      | 3.73        | 4.19        | 4.77        |
| 55<br>(12.78)  | TCG | 63.30                                       | 60.00      | 57.00      | 53.90      | 50.60     | 47.00       | 43.00       | 38.60       |
|                | SDT | 76.40                                       | 85.20      | 94.20      | 103.20     | 112.20    | 121.00      | 129.80      | 138.40      |
|                | KW  | 1.86                                        | 2.30       | 2.67       | 3.01       | 3.36      | 3.74        | 4.20        | 4.77        |
| NXA460GKC      |     |                                             |            |            |            |           |             |             |             |
| 30<br>(-1.11)  | TCG | 53.80                                       | 50.20      | 47.00      | 44.00      | 41.20     | 38.30       | 35.20       | 31.80       |
|                | SDT | 71.80                                       | 80.60      | 89.70      | 98.90      | 108.10    | 117.40      | 126.50      | 135.60      |
|                | KW  | 3.08                                        | 3.18       | 3.40       | 3.73       | 4.14      | 4.62        | 5.14        | 5.69        |
| 35<br>(1.67)   | TCG | 59.10                                       | 55.20      | 51.70      | 48.60      | 45.50     | 42.30       | 38.80       | 35.10       |
|                | SDT | 73.20                                       | 82.00      | 91.00      | 100.10     | 109.30    | 118.50      | 127.60      | 136.60      |
|                | KW  | 3.06                                        | 3.17       | 3.40       | 3.73       | 4.15      | 4.63        | 5.16        | 5.71        |
| 40<br>(4.44)   | TCG | 64.70                                       | 60.60      | 56.90      | 53.50      | 50.00     | 46.50       | 42.80       | 38.70       |
|                | SDT | 74.70                                       | 83.40      | 92.40      | 101.40     | 110.60    | 119.70      | 128.70      | 137.60      |
|                | KW  | 3.03                                        | 3.16       | 3.39       | 3.73       | 4.16      | 4.65        | 5.18        | 5.74        |
| 45<br>(7.22)   | TCG | 70.70                                       | 66.40      | 62.40      | 58.70      | 54.90     | 51.10       | 46.90       | 42.50       |
|                | SDT | 76.30                                       | 85.00      | 93.90      | 102.90     | 112.00    | 121.00      | 129.90      | 138.70      |
|                | KW  | 3.01                                        | 3.14       | 3.39       | 3.74       | 4.17      | 4.67        | 5.21        | 5.77        |
| 50<br>(10.0)   | TCG | 77.20                                       | 72.60      | 68.40      | 64.30      | 60.20     | 55.90       | 51.40       | 46.60       |
|                | SDT | 78.20                                       | 86.80      | 95.60      | 104.50     | 113.50    | 122.40      | 131.20      | 139.80      |
|                | KW  | 2.97                                        | 3.12       | 3.38       | 3.75       | 4.20      | 4.70        | 5.25        | 5.81        |
| 55<br>(12.78)  | TCG | 84.20                                       | 79.30      | 74.70      | 70.30      | 65.80     | 61.10       | 56.10       | 50.80       |
|                | SDT | 80.20                                       | 88.80      | 97.50      | 106.30     | 115.10    | 123.90      | 132.50      | 141.00      |
|                | KW  | 2.93                                        | 3.10       | 3.39       | 3.76       | 4.22      | 4.74        | 5.29        | 5.86        |

\* AHRI listing applies only to systems shown in Combination Ratings table.

**KW** — Outdoor Unit Kilowatts Only.

**SDT** — Saturated Temperature Leaving Compressor (°F)

**SST** — Saturated Temperature Entering Compressor (°F/°C)

**TCG** — Gross Cooling Capacity (1000 Btuh)

## ACCESSORY USAGE GUIDELINES

| Accessory                          | REQUIRED FOR<br>LOW-AMBIENT<br>APPLICATIONS<br>{Below 55°F (13°C)} | REQUIRED FOR<br>LONG-LINE<br>APPLICATIONS* |
|------------------------------------|--------------------------------------------------------------------|--------------------------------------------|
| Crankcase Heater                   | <b>Yes</b>                                                         | <b>Yes</b>                                 |
| Evaporator Freeze Thermostat       | <b>Yes</b>                                                         | No                                         |
| Winter Start Control               | <b>Yes**</b>                                                       | No                                         |
| TXV                                | <b>Yes</b>                                                         | <b>Yes‡</b>                                |
| Hard Start Kit (Capacitor & Relay) | <b>Yes</b>                                                         | <b>Yes</b>                                 |
| Low Ambient Kit (Pressure Switch)  | <b>Yes</b>                                                         | No                                         |
| Support Feet, 4" (102mm) tall      | Recommended                                                        | No                                         |

\* Refer to the Long Line Application Guideline document.

\*\* Can only be installed in conjunction with the Low Pressure Switch

‡ TXV required beyond 20 ft (6.1m) vertical separation or 50 ft (15.2) total length.

## ACCESSORIES

| Accessory Kit Number | Description                                  | 18 | 24 | 30 | 36 | 42 | 48 | 60 |
|----------------------|----------------------------------------------|----|----|----|----|----|----|----|
| NASA001CH            | Crankcase Heater for Scroll Compressor       |    |    |    |    | X  | X  | X  |
| NASA003CH            | Crankcase Heater for Scroll Compressor       | X  | X  | X  | X  |    |    |    |
| NASA001SC            | Start Component – PTC Device                 | X  | X  | X  | X  | X  | X  | X  |
| NASA00201FS          | Evaporator Freeze Thermostat                 | X  | X  | X  | X  | X  | X  | X  |
| NASA404PS            | High Pressure Switch                         | X  | X  | X  | X  | X  | X  | X  |
| NASA403PS            | Low Pressure Switch, AC, R-410A              | X  | X  | X  | X  | X  | X  | X  |
| NASA401LS            | Liquid Line Solenoid Valve, R-410A           | X  | X  | X  | X  | X  | X  | X  |
| NASA001TD            | Time Delay Relay, Indoor Blower              | X  | X  | X  | X  | X  | X  | X  |
| NASA00201WS          | Winter Start Control                         | X  | X  | X  | X  | X  | X  | X  |
| NASA001AC            | Anti-Cycle Timer (5 minute delay)            | X  | X  | X  | X  | X  | X  | X  |
| NASA404PS            | High Pressure Switch, AC or HP, R-410A       | X  | X  | X  | X  | X  | X  | X  |
| NASA401LA            | Low Ambient Kit (Pressure Switch), R-410A    | X  | X  | X  | X  | X  | X  | X  |
| NASA001SJ            | Sound Jacket, Compressor                     |    |    |    |    | X  | X  |    |
| NASA002SJ            | Sound Jacket, Compressor                     | X  | X  | X  |    |    |    |    |
| NASA003SJ            | Sound Jacket, Compressor                     |    |    |    |    |    |    | X  |
| NAEA40501TX          | TXV Kit for use with copper or tin fan coils | X  | X  | X  |    |    |    |    |
| NAEA40601TX          | TXV Kit for use with copper or tin fan coils |    |    |    | X  | X  |    |    |
| NAEA40701TX          | TXV Kit for use with copper or tin fan coils |    |    |    |    |    | X  |    |
| NAEB40501TX          | TXV Kit for use with aluminum fan coils      | X  | X  | X  |    |    |    |    |
| NAEB40601TX          | TXV Kit for use with aluminum fan coils      |    |    |    | X  | X  |    |    |
| NAEB40701TX          | TXV Kit for use with aluminum fan coils      |    |    |    |    |    | X  |    |
| NASA00201SF          | Support Feet, 4" (102mm) tall (5 blocks)     | X  | X  | X  | X  | X  | X  | X  |