

|              |              |               |
|--------------|--------------|---------------|
| PURCHASER    | P.O. #       | DATE          |
| PROJECT      | LOCATION     |               |
| ENGINEER     | ARCHITECT    |               |
| SUBMITTED BY | FOR APPROVAL | FOR REFERENCE |

| ITEM | PLAN DESIGNATION | QUANTITY | COOLING BTU/H | VOLTAGE | FRIEDRICH MODEL |
|------|------------------|----------|---------------|---------|-----------------|
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |
|      |                  |          |               |         |                 |

### Comfort & Convenience

- Convenient control from your smartphone or computer via FriedrichConnect™ app
- Control by voice command, compatible with Amazon Alexa and Google Home
- 24-hour timer
- Up to 4 cooling and 4 fan-only speeds on select models†
- Automatic fan speed adjustment
- Auto-changeover from cool to heat; heat to cool to maintain set temperature (Kühl+ models except KEQ08)
- 8-way air flow control
- Temperature readout can display set temperature and room temperature
- LCD panel auto dims if not in use
- LCD settings lockout option (ON/OFF)
- Premium remote control allows user to activate schedule, adjust temperature, adjust fan speed or select auto-fan; can also switch from cool to heat and heat to cool (Kühl + models)

### Quietmaster® technology

- Steel inner wall and extra dense insulation materials block outdoor noise
- Vibration isolating design and components diminish traditional operating sound levels
- Precision engineering maximizes air flow while delivering ultra quiet operation

### Energy Management & Compliance

- Control temperature settings via FriedrichConnect™ app
- Advanced grouping of multiple units
- Autofan mode saves money by conserving energy
- ENERGY STAR® qualified models, including heat pumps
- Environmentally-friendly R-410A refrigerant used in all models
- Recyclable packaging

### Safety & Security

- EntryGard™ anti-intrusion protection - secures chassis to the sleeve with a steel retaining wire to deter 'kick-in' intrusion
- Power cord current leakage protected
- Aluminum outside grille
- Insect barrier\*

### Maintenance & Installation

- Check filter reminder and error code storage
- Same sleeve dimensions for 30+ years for easy replacement
- Slideout chassis for more permanent installation and easier access for maintenance
- Installs in a window or in-wall
- Includes heavy-duty window installation hardware (optional accessory on Kühl+ models)
- Rugged hardboard side panels or (heavy duty side curtains on SQ and EQ models) for a more permanent installation
- Power cord can run left or right
- Defrost control protects coil against freeze up
- Firm grip handles for easier chassis installation and removal

### Health & IAQ

- Superior fresh air intake and stale air exhaust vent\*
- Washable, air filter
- Premium carbon filter provides superior air filtration with ratings as high as MERV 6, while also adsorbing odors, and reducing ozone and VOCs when used in conjunction with standard filter
- Hinged door for easy filter access



\* Feature not available on KCQ and KEQ models.

\*\*Nut driver not required for Kühl KCQ and KEQ models.

# SPECIFICATIONS

★ Indicates ENERGY STAR® models

| Model                   | UPC          | Cooling Btu | Heating Btu | Volts | Cooling Amps | Cooling Watts | Heating Amps | Heating Watts | EER  | CEER | Estimated Yearly Energy Cost | COP | Moisture Removal-Pints/HR | CFM | Net/ship Wt. lbs. | Sleeve |
|-------------------------|--------------|-------------|-------------|-------|--------------|---------------|--------------|---------------|------|------|------------------------------|-----|---------------------------|-----|-------------------|--------|
| Kühl® (Cool Only)       |              |             |             |       |              |               |              |               |      |      |                              |     |                           |     |                   |        |
| ★ KCQ06A10A             | 724587436570 | 6000        | —           | 115   | 4.8          | 492           | —            | —             | 12.2 | 12.1 | \$48                         | —   | 1.5                       | 190 | 72/85             | Q      |
| ★ KCQ08A10A             | 724587436587 | 8000        | —           | 115   | 6.5          | 661           | —            | —             | 12.1 | 12.0 | \$65                         | —   | 2.1                       | 200 | 72/85             |        |
| ★ KCQ10A10B             | 724587436594 | 9500        | —           | 115   | 8.6          | 864           | —            | —             | 11.0 | 10.9 | \$85                         | —   | 3.2                       | 250 | 72/85             |        |
| ★ KCS08A10A             | 724587436631 | 8000        | —           | 115   | 6.5          | 661           | —            | —             | 12.1 | 12.0 | \$65                         | —   | 1.9                       | 255 | 106/128           | S      |
| ★ KCS10A10A             | 724587432640 | 10000       | —           | 115   | 8.5          | 826           | —            | —             | 12.1 | 12.0 | \$81                         | —   | 2.9                       | 300 | 112/134           |        |
| ★ KCS12A10A             | 724587432688 | 12000       | —           | 115   | 9.5          | 1000          | —            | —             | 12.0 | 12.0 | \$98                         | —   | 3.5                       | 300 | 112/134           |        |
| ★ KCS12A30A             | 724587432695 | 12000       | —           | 230   | 4.8          | 992           | —            | —             | 12.1 | 12.0 | \$97                         | —   | 3.5                       | 300 | 116/138           |        |
| ★ KCS14A10A             | 724587432701 | 13600       | —           | 115   | 11.8         | 1236          | —            | —             | 11.0 | 10.9 | \$121                        | —   | 4.3                       | 275 | 141/154           |        |
| ★ KCS16A30A             | 724587436678 | 15700       | —           | 230   | 6.6          | 1454          | —            | —             | 10.8 | 10.7 | \$142                        | —   | 5.0                       | 330 | 141/154           | M      |
| ★ KCM14A10A             | 724587432435 | 13600       | —           | 115   | 10.9         | 1140          | —            | —             | 12.1 | 12.0 | \$112                        | —   | 3.0                       | 360 | 138/150           |        |
| ★ KCM18A30A             | 724587436617 | 20000       | —           | 230   | 9.6          | 1923          | —            | —             | 10.4 | 10.3 | \$188                        | —   | 6.0                       | 425 | 132/153           |        |
| ★ KCM21A30A             | 724587436624 | 21500       | —           | 230   | 9.6          | 2067          | —            | —             | 10.4 | 10.3 | \$202                        | —   | 6.0                       | 425 | 132/153           | L      |
| ★ KCL24A30B             | 724587436549 | 23000       | —           | 230   | 11.1         | 2308          | —            | —             | 10.4 | 10.3 | \$225                        | —   | 7.5                       | 640 | 191/212           |        |
| ★ KCL28A30A             | 724587432657 | 28000       | —           | 230   | 13.4         | 2800          | —            | —             | 10.0 | 9.9  | \$273                        | —   | 9.3                       | 640 | 193/214           |        |
| ★ KCL36A30A             | 724587436556 | 35000       | —           | 230   | 18.2         | 3846          | —            | —             | 9.1  | 9.0  | \$376                        | —   | 11.0                      | 725 | 212/248           |        |
| Kühl® + (Heat Pump)     |              |             |             |       |              |               |              |               |      |      |                              |     |                           |     |                   |        |
| ★ KHS10A10A*            | 724587432541 | 10000       | 8800        | 115   | 8.8          | 917           | 9.1          | 978           | 10.9 | 10.8 | \$90                         | 2.6 | 2.0                       | 300 | 109/131           | S      |
| ★ KHS12A33A             | 724587436525 | 12000       | 9800        | 230   | 5.0          | 1101          | 4.7          | 1257          | 10.9 | 10.8 | \$108                        | 2.9 | 3.0                       | 375 | 115/136           |        |
| ★ KHM18A34A             | 724587436532 | 17500       | 14900       | 230   | 7.4          | 1606          | 7.4          | 1568          | 10.9 | 10.8 | \$157                        | 2.8 | 5.6                       | 450 | 141/154           | M      |
| ★ KHL24A35A             | 724587432633 | 24000       | 21000       | 230   | 11.1         | 2330          | 10.3         | 2211          | 10.3 | 10.2 | \$228                        | 2.8 | 7.0                       | 600 | 197/211           | L      |
| Kühl® + (Electric Heat) |              |             |             |       |              |               |              |               |      |      |                              |     |                           |     |                   |        |
| ★ KEQ08A11A             | 724587432749 | 7700        | 4000        | 115   | 6.4          | 694           | 11.2         | 1290          | 11.1 | 11.0 | \$68                         | —   | 2.1                       | 200 | 72/85             | Q      |
| ★ KES12A33A             | 724587430004 | 12000       | 10700       | 230   | 4.9          | 1091          | 16.0         | 3500          | 11.0 | 10.9 | \$107                        | —   | 3.6                       | 325 | 113/128           | S      |
| ★ KES16A33A             | 724587436678 | 15700       | 10700       | 230   | 6.6          | 1454          | 16.0         | 3500          | 10.8 | 10.7 | \$142                        | —   | 3.4                       | 300 | 138/150           |        |
| ★ KEM18A34A             | 72458743249  | 20000       | 13000       | 230   | 9.6          | 1923          | 19.5         | 4200          | 10.4 | 10.3 | \$188                        | —   | 6.0                       | 425 | 141/154           | M      |
| ★ KEL24A35B             | 724587431612 | 23000       | 17300       | 230   | 11.1         | 2308          | 24.0         | 5500          | 10.4 | 10.3 | \$225                        | —   | 7.0                       | 750 | 197/211           | L      |
| ★ KEL36A35A             | 724587436563 | 35000       | 17300       | 230   | 18.2         | 3846          | 24.0         | 5500          | 9.1  | 9.0  | \$376                        | —   | 11.0                      | 725 | 213/246           |        |

\* KHS10A10A heat pump operates on 115 volt and is not equipped with supplemental heat. Will not provide heat at temperatures below 40°F. Friedrich room air conditioners are designed to operate in outdoor temperatures from 60°F to 115°F.

Kühl+ Heat Pump heating information indicates heat pump performance. Kühl+ Electric Heat heating information indicates electric heat strip performance.

For Kühl+ Heat Pump electric heating performance refer to corresponding Kühl+ Electric Heat model.

As an ENERGY STAR® partner, Friedrich Air Conditioning Co. has determined that the selected ENERGY STAR® models meet the ENERGY STAR® guidelines for energy efficiency. EER is the unit's Energy Efficiency Ratio; CEER is the unit's Combined Energy Efficiency Ratio.

Your energy costs will depend on your utility rates and use. The estimated energy cost is based on an electricity cost of \$.12 per kWh.

For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.



## INSTALLATION

|        |               |              |                         |                               |                              |                             | WINDOW INSTALLATION |         | THRU-WALL INSTALLATION                          |          |            |                          |         |         |
|--------|---------------|--------------|-------------------------|-------------------------------|------------------------------|-----------------------------|---------------------|---------|-------------------------------------------------|----------|------------|--------------------------|---------|---------|
| Sleeve | Height Inches | Width Inches | Depth with Front Inches | Shell Depth to Louvers Inches | Minimum Extension Into Room* | Minimum Extension Outside * | Window Width Inches |         | Thru-the-wall Installation Finished Hole Inches |          |            | Carton Dimensions Inches |         |         |
|        |               |              | A                       | B                             | Inches                       | * Inches                    | Minimum**           | Maximum | Height                                          | Width    | Max. Depth | C                        | Height  | Width   |
| Q      | 14 1/4"       | 19 3/4"      | 21 3/8"                 | 8 1/2"                        | 5 1/2"                       | 10 3/4"                     | 22"                 | 42"     | 14 1/2"                                         | 20"      | 8 1/2"     | 18 3/4"                  | 22"     | 25 1/2" |
| S      | 15 15/16"     | 25 15/16"    | 29"                     | 8 3/4"                        | 5 3/4"                       | 16 15/16"                   | 27 3/8"             | 42"     | 16 3/16"                                        | 26 3/16" | 7 3/8"     | 19"                      | 29"     | 34 1/2" |
| M      | 17 15/16"     | 25 15/16"    | 29"                     | 8 3/4"                        | 5 3/4"                       | 16 15/16"                   | 27 3/8"             | 42"     | 18 3/16"                                        | 26 3/16" | 7 3/8"     | 21"                      | 29"     | 34 1/2" |
| L      | 20 3/16"      | 28"          | 35 1/2"                 | 16 1/2"                       | 5 3/8"                       | 18 15/16"                   | 29 7/8"             | 42"     | 20 3/8"                                         | 28 1/4"  | 15 1/8"    | 24 1/2"                  | 31 5/8" | 38 7/8" |

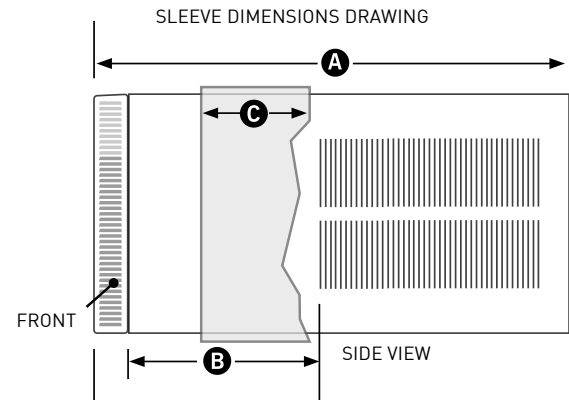
\* Minimum extensions when mounted in a window.

\*\* Minimum widths achieved using one side curtain assembly as opposed to both in a standard installation.

NOTE: S, M and L sleeves may be installed in window with no side kits if properly installed.

## CIRCUIT RATING/BREAKER/POWER CORD

| Model                                                                                                    | Circuit Rating<br>Breaker or<br>T-D Fuse | Plug Face<br>(NEMA#) | Power Cord<br>Length (ft.) | Wall Outlet<br>Appearance                                                           |
|----------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|----------------------------|-------------------------------------------------------------------------------------|
| All KCQ MODELS. KEQ08A11A.<br>KCS08A10A, KCS10A10A,<br>KCS12A10A and KCS14A10A.<br>KHS10A10A. KCM14A10A. | 125V - 15A                               | 5 - 15P              | 6                          |    |
| KCS12A30A and KCS16A30A.<br>KCM18A30A and KCM21A30A.                                                     | 250V - 15A                               | 6 - 15P              | 6                          |    |
| KCL24A30B and KCL28A30A.<br>KES12A33A and KES16A33A.<br>KHS12A33A.                                       | 250V - 20A                               | 6 - 20P              | 6                          |  |
| KCL36A30A. KEM18A34A and<br>KEL24A35B and KEL36A35A.<br>KHM18A34A and KHL24A35A.                         | 250V - 30A                               | 6 - 30P              | 6                          |  |

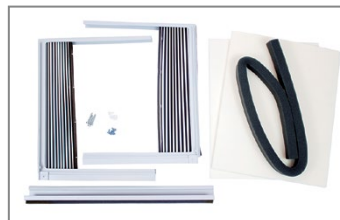


## Window Mounting Kits: Kühl+

Window kits are included with cooling only models, but are an accessory item for Kühl+ heat/cool models. Window kits are required for installation of Kühl+ models in a window.

| Heat/Cool Models                               | Kit No. |
|------------------------------------------------|---------|
| KEQ08A11A*                                     | KWIKQA  |
| KES12A33A, KES16A33A, KHS10A10A and KHS12A33A. | KWIKSB  |
| KEM18A34A and KHM18A34A.                       | KWIKMB  |
| KEL24A35B, KEL36A35A and KHL24A35A.            | KWIKLB  |

\* KEQ08A11A window kit KWIKQA does not include window brackets.



KWIKQA



KWIKSB, KWIKMB, KWIKLB