

|              |              |               |
|--------------|--------------|---------------|
| 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, antimicrobial 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.

# PRELIMINARY 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 | 5800        | —           | 115   | 4.1          | 472           | —            | —             | 12.3  | 12.1 | \$43                         | —       | 1.5                       | 190 | 72/85             | Q      |
| ★ KCQ08A10A             | 724587436587 | 8000        | —           | 115   | 6.1          | 656           | —            | —             | 12.2  | 12.0 | \$59                         | —       | 1.9                       | 200 | 72/85             |        |
| ★ KCQ10A10A             | 724587436594 | 10000       | —           | 115   | 8.9          | 882           | —            | —             | 11.1  | 10.9 | \$79                         | —       | 3.2                       | 250 | 72/85             |        |
| ★ KCS08A10A             | 724587436631 | 8000        | —           | 115   | 5.8          | 656           | —            | —             | 12.2  | 12.0 | \$59                         | —       | 1.9                       | 255 | 106/128           | S      |
| ★ KCS10A10A             | 724587432640 | 10000       | —           | 115   | 7.2          | 820           | —            | —             | 12.2  | 12.0 | \$74                         | —       | 2.5                       | 300 | 112/134           |        |
| ★ KCS12A10A             | 724587432688 | 11900       | —           | 115   | 8.7          | 975           | —            | —             | 12.2  | 12.0 | \$88                         | —       | 3.9                       | 300 | 112/134           |        |
| ★ KCS12A30A             | 724587432695 | 12000       | —           | 230   | 4.5          | 984           | —            | —             | 12.2  | 12.0 | \$89                         | —       | 3.6                       | 300 | 116/138           |        |
| ★ KCS14A10A             | 724587432701 | 13600       | —           | 115   | 10.4         | 1214          | —            | —             | 11.2  | 10.9 | \$109                        | —       | 4.3                       | 275 | 141/154           |        |
| ★ KCS16A30A             | 724587436678 | 15500       | —           | 230   | 6.5          | 1435          | —            | —             | 10.8  | 10.7 | \$129                        | —       | 5.0                       | 330 | 141/154           |        |
| ★ KCM14A10A             | 724587432435 | 13700       | —           | 115   | 9.9          | 1123          | —            | —             | 12.2  | 12.0 | \$101                        | —       | 3.0                       | 360 | 138/150           | M      |
| ★ KCM18A30A             | 724587436617 | 20000       | —           | 230   | 9.3          | 2092          | —            | —             | 10.3  | 10.3 | \$184                        | —       | 6.0                       | 425 | 132/153           |        |
| ★ KCM21A30A             | 724587436624 | 20500       | —           | 230   | 9.3          | 2092          | —            | —             | 10.3  | 10.3 | \$188                        | —       | 6.0                       | 425 | 132/153           |        |
| ★ KCL24A30A             | 724587436549 | 24000       | —           | 230   | 10.2         | 2308          | —            | —             | 10.4  | 10.3 | \$208                        | —       | 7.0                       | 640 | 191/212           | L      |
| ★ KCL28A30A             | 724587432657 | 28000       | —           | 230   | 13.1         | 2800          | —            | —             | 10.0  | 9.9  | \$252                        | —       | 8.5                       | 640 | 193/214           |        |
| ★ KCL36A30A             | 724587436556 | 36000       | —           | 230   | 17.5         | 4000          | —            | —             | 9.0   | 9.0  | \$360                        | —       | 12.0                      | 725 | 212/248           |        |
| Kühl® + (Heat Pump)     |              |             |             |       |              |               |              |               |       |      |                              |         |                           |     |                   |        |
| ★ KHS10A10A*            | 724587432541 | 10000       | 8800        | 115   | 7.9          | 917           | 9.0          | 978           | 10.9  | 10.8 | \$83                         | 2.6     | 2.0                       | 300 | 109/131           | S      |
| ★ KHS12A33A             | 724587436525 | 12000       | 11300       | 230   | 4.9          | 1101          | 5.6          | 1257          | 10.9  | 10.8 | \$99                         | 2.6/2.7 | 3.0                       | 375 | 115/136           |        |
| ★ KHM18A34A             | 724587436532 | 17500       | 15200       | 230   | 7.1          | 1606          | 7.3          | 1665          | 10.99 | 10.8 | \$149                        | 2.7/2.7 | 5.4                       | 370 | 141/154           | M      |
| ★ KHL24A35A             | 724587432633 | 24000       | 22000       | 230   | 10.10        | 2330          | 10.7         | 2391          | 10.3  | 10.2 | \$210                        | 2.6/2.6 | 7.0                       | 600 | 197/211           | L      |
| Kühl® + (Electric Heat) |              |             |             |       |              |               |              |               |       |      |                              |         |                           |     |                   |        |
| KEQ08A11A               | 724587432749 | 8000        | 4000        | 115   | 6.1          | 656           | 11.2         | 1290          | 12.2  | 12.0 | \$61                         | —       | 1.9                       | 200 | 72/85             | Q      |
| KES12A33A               | 724587430004 | 12000       | 10700       | 230   | 4.9          | 1062          | 16.0         | 3500          | 11.3  | 11.2 | \$96                         | —       | 3.4                       | 325 | 113/128           | S      |
| KES16A33A               | 724587436678 | 15500       | 10700       | 230   | 6.5          | 1435          | 16.0         | 3500          | 10.8  | 10.7 | \$129                        | —       | 3.4                       | 300 | 138/150           |        |
| KEM18A34A               | 72458743249  | 20000       | 13000       | 230   | 9.3          | 2041          | 19.5         | 5500          | 10.4  | 10.3 | \$225                        | —       | 7.0                       | 750 | 141/154           | M      |
| KEL24A35A               | 724587431612 | 24000       | 17300       | 230   | 10.9         | 2308          | 24.0         | 5500          | 9.4   | 9.4  | \$225                        | —       | 6.0                       | 425 | 197/211           | L      |
| KEL36A35A               | 724587436563 | 36000       | 17300       | 230   | 17.5         | 4000          | 24.0         | 5500          | 9.0   | 9.0  | \$360                        | —       | 12.0                      | 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





| Sleeve   | Height Inches | Width Inches | Depth with Front Inches | Shell Depth to Louvers Inches | Minimum Extension Into Room* | Minimum Extension Outside * Inches | Window Width INCHES |         | In-wall Installation Finished Hole Inches |          |              | Carton Dimensions Inches |         |         |
|----------|---------------|--------------|-------------------------|-------------------------------|------------------------------|------------------------------------|---------------------|---------|---|----------|--------------|--------------------------|---------|---------|
|          |               |              | A                       | B                             | Inches                       | Inches                             | Minimum**           | Maximum | Height                                    | Width    | Max. Depth C | Height                   | Width   | Depth   |
| <b>Q</b> | 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" |
| <b>S</b> | 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" |
| <b>M</b> | 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" |
| <b>L</b> | 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" |

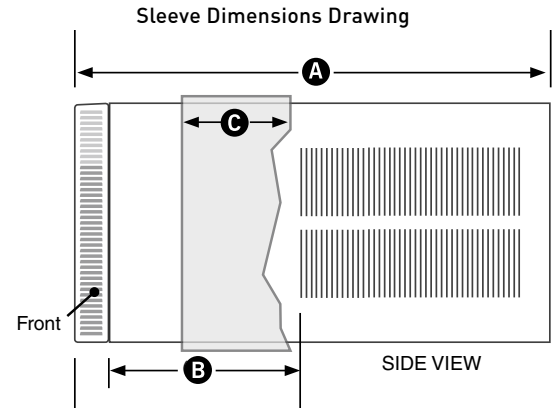
\* Minimum extensions when mounted in a window.

\*\* 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 Breaker or T-D Fuse | Plug Face (NEMA#) | Power Cord Length (ft.) | Wall Outlet Appearance  |
|---|------------------------------------|-------------------|-------------------------|---|
| All KCQ MODELS. KEQ08A11A. KCS08A10A, KCS10A10A, KCS12A10A and KCS14A10A. KHS10A10A. KCM14A10A. | 125V - 15A                         | 5 - 15P           | 6                       |    |
| KCS12A30A and KCS16A30A. KCM18A30A and KCM21A30A.   | 250V - 15A                         | 6 - 15P           | 6                       |    |
| KCL24A30A and KCL28A30A. KES12A33A and KES16A33A. KHS12A33A.                                    | 250V - 20A                         | 6 - 20P           | 6                       |   |
| KCL36A30A. KEM18A34A and KEL24A35A and KEL36A35A. KHM18A34A and KHL24A35A.                      | 250V - 30A                         | 6 - 30P           | 6                       |  |

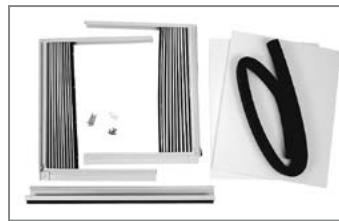


## Window Mounting Kits: Kühl+

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  |
| KEL24A35A, KEL36A35A and KHL24A35A.            | KWIKLB  |

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



KWIKQA



KWIKSB, KWIKMB, KWIKLB