



Friedrich Kühl® Series R-32 Room Air Conditioners



KCS, KCM, KCL, KHS



KCQ

COOL ONLY

115 volt- 8,000 to 12,000 Btu
230 volt- 22,300 to 34,800 Btu

EFFICIENCY: EERs up to 12.1 CEER up to 12.0

HEAT PUMPS

115 volt- 10,000 Btu COOLING
8,800 Btu HEATING

EFFICIENCY: EERs up to 10.9 CEER up to 10.8

FEATURES

- Control with **FriedrichConnect®** app or by voice command
- Customizable, 7-day schedules
- Advanced grouping of multiple units
- 24-hour timer
- Up to 4 cooling/4 fan-only speeds
- Auto fan
- Auto-changeover between cooling and heating (Kühl+ models except KEQ08)
- Auto restart
- 8-way air flow control
- Control panel lockout (ON/OFF)
- QuietMaster®** technology for up to 45% quieter operation**
- R-32 refrigerant with low global warming potential (GWP)
- Steel inner wall and extra dense insulation blocks outdoor noise
- Vibration isolating design and components reduce operating noise
- FreshAir®** IAQ ready- optional MERV 13 filter captures particles down to 1 micron in size
- Fresh air intake/stale air exhaust vent*
- Washable air filter
- Carbon filter absorbs odors and reduces ozone and volatile organic compounds (VOCs)
- Standard dual filtration provides air filtration as high as MERV 6
- Check filter reminder
- Robust steel cabinet
- Solid-steel blower housing offers enhanced protection
- Totally enclosed commercial grade fan motor
- Durable base pan and steel inner walls
- Aluminum end plates
- High-tech aluminum fins with rifled copper tubing
- ENERGY STAR® qualified models, including heat pumps
- Kühl®+** heat pumps provide energy efficient cooling and heating
- Temperature limiting for maximum low and high temperature settings
- Recyclable packaging
- EntryGard®** anti-intrusion protection secures the chassis to the sleeve
- Power cord leakage current protected
- Insect barrier*
- Aluminum rear grille protects the outdoor coil from debris and vandalism
- Install in a window or thru-the-wall
- Slideout chassis for more permanent installation, easier maintenance access
- Patented firm grip handles for easier chassis installation and removal
- Includes heavy duty window installation hardware (optional accessory on **Kühl®+** models sold separately)
- Hardboard side panels for a more permanent installation (heavy duty side curtains on KCQ and KEQ models)
- Power cord can run either left or right



*Feature not available on KCQ and KEQ models

**Based on testing conducted at the Friedrich Design and Development Center in comparison to leading rotary compressor models



ACCESSORIES

FreshAir® IAQ

MERV 13 FILTER / FILTER BRACKETS

FreshAir MERV 13 filtration is effective at capturing and removing microorganisms from the air, which according to ASHRAE*, the leading authority on the science behind advanced indoor air quality, include harmful airborne viruses. Maintaining the best indoor air quality possible requires that you prevent harmful pollutants from circulating throughout the space. One way to prevent this is to trap the pollutants with mechanical filtration. Kühl® is the only window air conditioner that can utilize an optional MERV 13 air filter, which is at least 85% efficient at capturing particles between 1 and 3 microns in size and up to 50% efficient in filtering particles between 0.30 and 1 micron in size such as bacteria and sneeze nuclei.

*Based on ASHRAE Guidance for Building Operations During the COVID-19 Pandemic

| Model No. | UPC | Description |
|-----------|--------------|-------------------------------------|
| KMFB1PK | 724587440553 | Kühl MERV filter bracket 1 pack |
| KMFBQ1PK | 724587440546 | Kühl Q MERV filter bracket 1 pack |
| KMFQ3PK | 724587440560 | Kühl MERV filter - Q chassis 3 pack |
| KMFS3PK | 724587440577 | Kühl MERV filter - S chassis 3 pack |
| KMFM3PK | 724587440584 | Kühl MERV filter - M chassis 3 pack |
| KMFL3PK | 724587440591 | Kühl MERV filter - L chassis 3 pack |



Filter bracket required for MERV 13 filter installation.

Minimum bracket order of 24.

Minimum filter order quantity of eight.

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

DRAIN KIT

Allows field installed drain tube to be installed to the bottom of the sleeve to route the condensate from the unit.

| Model | Kit No. |
|------------------------|---------|
| All Kühl Series Models | DC2 |



PREMIUM CARBON FILTERS

Remove odors and VOCs (volatile organic compounds).

Achieve up to a MERV 6 rating when used with standard filter.

3 pack

| Model | Kit No. |
|------------------|---------|
| KCQ and KEQ | KWCFQ |
| KCS, KES and KHS | KWCFB |
| KCM, KEM and KHM | KWCFM |
| KCL, KEL and KHL | KWCFL |



SPECIFICATIONS

★ ENERGY STAR® models

| Model | UPC | Cooling Btu | Heating Btu | Volts | Cooling Amps | Cooling Watts | Heating Amps | Heating Watts | EER | CEER | Esti- mated Yearly Energy Cost | COP | Moisture Removal- Pints/HR | CFM | Net/ship Wt. lbs. | Sleeve |
|---------------------|--------------|----------------|----------------|-------|-----------------|------------------|-----------------|------------------|------|------|--|-----|----------------------------------|-----|----------------------|--------|
| Kühl® (Cool Only) | | | | | | | | | | | | | | | | |
| ★ KCQ08B10A | 724587442144 | 8000 | — | 115 | 6.5 | 661 | — | — | 12.1 | 12.0 | \$65 | — | 2.1 | 200 | 72/85 | Q |
| ★ KCS12B10A | 724587442168 | 12000 | — | 115 | 9.5 | 1000 | — | — | 12.0 | 12.0 | \$98 | — | 3.5 | 300 | 112/134 | S |
| ★ KCM24B30A | 724587442137 | 22300 | — | 230 | 9.6 | 2067 | — | — | 10.4 | 10.3 | \$202 | — | 6.0 | 425 | 132/153 | M |
| ★ KCL24A30B | 724587439939 | 23000 | — | 230 | 11.1 | 2308 | — | — | 10.4 | 10.3 | \$225 | — | 7.5 | 640 | 191/212 | L |
| | KCL36B30A | 724587442120 | 34800 | — | 230 | 18.2 | 3846 | — | 9.1 | 9.0 | \$376 | — | 11.0 | 725 | 212/248 | |
| Kühl® + (Heat Pump) | | | | | | | | | | | | | | | | |
| ★ KHS10B10A* | 724587442151 | 10000 | 8800 | 115 | 8.8 | 917 | 9.1 | 978 | 10.9 | 10.8 | \$90 | 2.6 | 2.0 | 300 | 109/131 | S |

* 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.

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 \$.13 per kWh.

For more information, visit www.ftc.gov/energy.

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

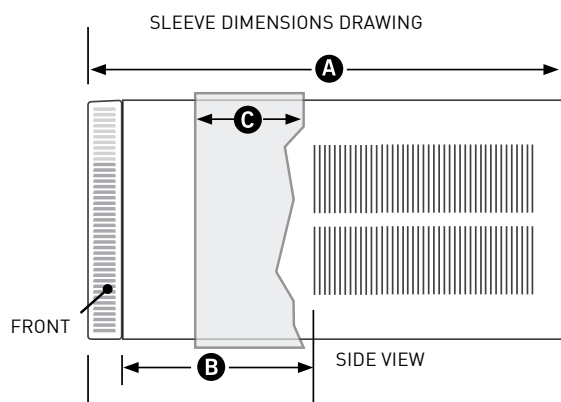
INSTALLATION

| INSTALLATION | | | | | | | WINDOW INSTALLATION | | THRU-WALL INSTALLATION | | | Carton Dimensions Inches | | |
|--------------|------------------|-----------------|-------------------------------|----------------------------------|------------------------------------|---|------------------------|---------|--|----------|-----------------|-----------------------------|---------|---------|
| 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 | | Thru-the-wall Installation Finished Hole Inches | | | | | |
| | | | A | B | | | Minimum** | Maximum | Height | Width | Max. Depth C | | | |
| 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 Breaker or T-D Fuse | Plug Face (NEMA#) | Power Cord Length (ft.) | Wall Outlet Appearance |
|---|--|----------------------|----------------------------|---------------------------|
| ALL KCQ MODELS. KCS12B10A KHS10B10A. | 125V - 15A | 5 - 15P | 6 | |
| KCM24B30A. | 250V - 15A | 6 - 15P | 6 | |
| KCL28A30B. | 250V - 20A | 6 - 20P | 6 | |
| KCL36B30A. | 250V - 30A | 6 - 30P | 6 | |



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