



Kühl® Series

ROOM AIR CONDITIONERS



**FRIEDRICH**

1883

THE EXPERTS IN ROOM AIR CONDITIONING

# Kühl® Series

## ULTRA PREMIUM Smart Room Air Conditioners

**Commercial grade durability and more ways to save energy than any other room air conditioner.**

### BUILT TO LAST

Kühl incorporates high-end materials like heavy-gauge galvanized steel, rifled copper tubing, and high-tech aluminum fins.

Kühl also uses the most durable components to extend the life of your air conditioner, including fully-enclosed fan motors that seal out dirt, and powerful, energy-efficient compressors which make it as tough an air conditioner as we've ever built.

### QUIET BY DESIGN

Kühl has been engineered for quiet operation. Component materials have been chosen because of their sound-absorption properties and every moving part has been braced and insulated.

Extra thick rubber grommets absorb vibration and reduce noise inside, while steel inner walls and extra dense insulation block outdoor noise.

Rugged hardboard side panels help reduce noise and keep out light. The unique air path is more streamlined, drawing air through the sides, away from moving parts. Our larger discharge vents allow for smoother airflow, delivering maximum conditioned air quietly.

### THE SMARTEST WINDOW AIR CONDITIONER EVER DESIGNED

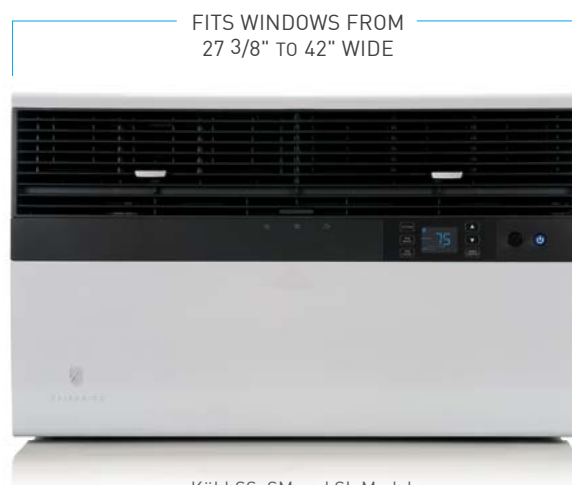


Kühl offers more options for energy control than any other room air conditioner. Control Kühl with a smartphone, tablet or computer.\* Remotely adjust temperatures, set schedules and turn units off and on. Group units to operate like a central system. You can even connect Kühl to your utility's power grid. Check with your local utility for available programs and rebates.

\*Requires the FriedrichLink® Wi-Fi optional accessory.



Kühl SQ/EQ Models



Kühl SS, SM and SL Models  
Kühl+ ES, YS, EM, YM, EL and YL Models

#### COOL ONLY MODELS

5800 to 36000 Btu

#### HEAT PUMPS

COOLING  
10000 to 24000 Btu

HEATING  
8800 to 22000 Btu

#### ELECTRIC HEAT MODELS

COOLING  
7500 TO 36000 Btu

HEATING  
4000 to 17300 Btu

# FEATURES

## Comfort & Convenience

- Two built-in 7-day energy management programs
- Create customizable, 7-day schedules (requires accessory, sold separately)
- 24-hour timer
- Up to 4 cooling and 4 fan-only speeds on select models†
- Auto fan adjusts the fan speed to maintain the set temperature
- Auto-changeover between cooling and heating modes (Kühl+ models except EQ08)
- Auto restart
- 8-way air flow control for better air distribution
- Control panel lockout (ON/OFF)
- Premium remote control allows user to view schedule, adjust temperature, adjust fan speed, select auto-fan and switch between cool and heat (Kühl+ models)



## Quiet By Design

- Steel inner wall and extra dense insulation materials block outdoor noise
- Vibration isolating design and components reduce operating noise
- Precision engineering delivers maximum air flow and air dispersion at low sound levels

## Superior Air Filtration

- Superior fresh air intake and stale air exhaust vent\*
- Washable, antimicrobial air filter
- Check filter reminder
- Optional carbon filter absorbs odors and reduces ozone and volatile organic compounds (VOCs)
- Hinged door allows easy filter access for easier maintenance

## Built To Last

- Robust 20 gauge steel cabinet
- Solid-steel blower housing offers enhanced protection
- Totally enclosed commercial grade fan motor runs at a lower temperature to prevent overheating and is double-mounted for added stability and reduced wear
- Durable base pan and steel inner walls
- Aluminum end plates will not contribute to rust-stained building exteriors
- Scratch-resistant cabinet
- High-tech aluminum fins with rifled copper tubing are more efficient and less prone to corrosion

## Earth Friendly

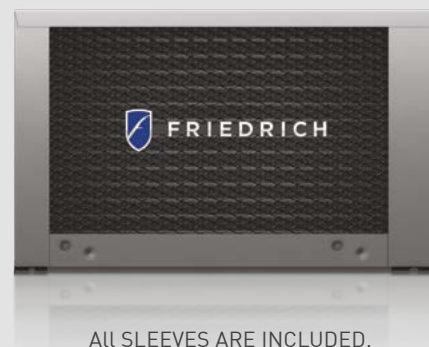
- Smart Grid capable
- ENERGY STAR® qualified models, including heat pumps
- Multiple scheduling options save energy
- Environmentally-friendly R-410A refrigerant used in all models
- Recyclable packaging
- RoHS compliant

## Safety & Security

- EntryGard™ anti-intrusion protection secures the chassis to the sleeve to deter 'kick-in' intrusion
- Power cord leakage current protected
- Insect barrier\*
- Aluminum rear grille protects the outdoor coil from debris and vandalism

## Installation

- Install in a window or thru-the-wall
- Slideout chassis for more permanent installation and easier access for maintenance
- Includes heavy duty window installation hardware (optional accessory on Kühl+ models sold separately)
- Rugged hardboard side panels for a more permanent installation (heavy duty side curtains on SQ and EQ models)
- Power cord can run either left or right
- Patented firm grip handles for easier chassis installation and removal
- Front cover attaches easily and securely. Nut driver included\*\*.



ALL SLEEVES ARE INCLUDED.  
SIZES HAVE REMAINED UNCHANGED  
FOR OVER 30 YEARS

\* Feature not available on Kühl SQ and EQ models. \*\*Nut driver not required for Kühl SQ and EQ models.

† Kühl SQ and SL models have 3 fan speeds. Kühl+ models have 3 fan speeds cooling and heating.



COMMERCIAL GRADE



## ACCESSORIES

### FriedrichLink® Wi-Fi Adapter

Connects to unit to allow for remote wireless access and programming from a computer, tablet or mobile device.

| Model    | Kit No. |
|----------|---------|
| N Series | KWIFI   |



### 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. |
|---------------|---------|
| SQ and EQ     | KWCFQ   |
| SS, ES and YS | KWCFS   |
| SM, EM and YM | KWCFM   |
| SL, EL and YL | KWCFL   |

### Wireless Thermostat- KWW

One thermostat can control up to 8 Kühl units. Additional units require 1 KCM communication module per unit. KWW Thermostat ships with 1 KCM Communication Module.

\*Not compatible with Kühl SQ and EQ models.



### Communication Module- KCM

Communicates with KWW thermostat or building management system.

\*Not compatible with Kühl SQ and EQ models.



### 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     |

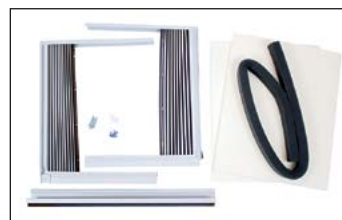


### Window Mounting Kits: Kühl+

Heavy duty kits required for installation of these Kühl+ models in a window.

| Heat/Cool Models                          | Kit No. |
|-------------------------------------------|---------|
| EQ08N11D*                                 | KWIKQA  |
| ES12N33B, ES14N33, YS10N10C and YS12N33C. | KWIKSB  |
| EM18N34B, EM21N34 and YM18N34C.           | KWIKMB  |
| EL24N35, EL36N35B and YL24N35C.           | KWIKLB  |

\*EQ08N11D window kit KWIKQA does not include window brackets.



KWIKQA



KWIKSB, KWIKMB, KWIKLB



Friedrich Air Conditioning Co. | 10001 Reunion Place, Suite 500 | San Antonio, TX 78216 | 877.599.5665 www.friedrich.com