



FRIEDRICH

1883



# ROOM AIR CONDITIONERS



FOR WINDOW AND IN-WALL INSTALLATIONS

# AIR CONDITIONING EXPERTS

Unlike our competition, Friedrich only manufactures room air conditioners. Our team of expert engineers design products tough enough to withstand some of the most challenging environmental conditions.



## PROVEN PERFORMANCE

Oil companies rely on us to cool offshore oil rigs in the most extreme conditions, and military bases and government offices all over the world choose Friedrich. Even industrial and high tech leaders like Northrup Grumman, Eastman Chemical and the Kennedy Space Center trust Friedrich commercial grade products for their applications. If we can handle all of these jobs, just think how we'll perform for yours.



## SPECIALTY PRODUCTS

Hazardgard® units are UL listed for use in Class 1, Division 2, Groups A, B, C and D hazardous locations where specific volatile, flammable liquids or gases are handled or used within closed containers or systems. (See Hazardgard® brochure for detailed information.)

# NORTH AMERICAN MANUFACTURER

Friedrich commercial grade room conditioners are designed, engineered and manufactured in North America.



Friedrich offers a wide range of room air conditioners including commercial grade models suitable for the most demanding applications.

We have cooling capacities up to 3 tons and models that offer 7 day programmability.



FRIEDRICH  
1883

	COMMERCIAL GRADE		RESIDENTIAL
	ULTRA PREMIUM	PREMIUM	DELUXE
	Kühl® Series	X Star® Series	CP Series
SLIDEOUT CHASSIS	Y	Y	All except CP05
WINDOW INSTALLATION	Y	Y	Y
IN-WALL INSTALLATION	Y	Y	All except CP05
7 DAY PROGRAMMABLE	Y	—	—
ENERGY MANAGEMENT	Y	Y	Y
POWER SUPPLY			
115V	Y	Y	Y
230V	Y	—	Y
COOLING W/ HEAT			
HEAT PUMP	Y	—	—
ELECTRIC HEAT	Y	Y	—
EXTRA LARGE CAPACITY			
>17,000 Btu	Y	—	Y
>25,000 Btu	Y	—	—
ENHANCED FILTRATION	Y	—	—
DECORATOR COLORS	Y	—	—

## ADVANCED ENGINEERING

Friedrich conducts rigorous performance tests to ensure customer satisfaction and safety in our own UL certified lab. Run tests are performed- for up to 120 continuous days- under extreme temperature conditions.

Air flow systems are tested for powerful and precise air distribution using state-of-the-art Computational Fluid Dynamics (CFD). Sound levels are measured and optimized in our Friedrich sound lab to ensure ultraquiet performance. Premium air filters are tested for adsorption capacities and efficiencies. The unit's control software is tested for constant and reliable operation. Packaging exceeds ISTA (International Safe Transit Association) standards in order to withstand transportation hazards.

Advanced design technology. Extensive product testing. It's what you can expect from Friedrich.

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## SUPERIOR COMPONENTS

What makes Friedrich Kühl ultra premium? Superior components like robust, commercial grade fan motors that run at a lower temperature than smaller fan motors prevent the unit from overheating and contribute to a longer life. Fan motors are also totally enclosed for maximum protection and longer life.



High efficiency, energy saving compressors mounted on large, vibration-absorbing grommets create smooth, quiet power.



## QUALITY CONSTRUCTION

The highest grade materials are used to build a product that will perform reliably season after season.

20 gauge steel is used in order to create a more robust air conditioner cabinet that will withstand years of hard use.

Solid sleeve top keeps out falling debris, which can obstruct the fan and prevent it from turning, thus damaging the unit.

Vibration and noise isolating technology throughout including two resilient rings on motor mount to prevent metal-to-metal contact, which eliminates extra vibration and noise. The blower wheel housing is made of solid steel for maximum sound reduction.



High tech coils with rifled copper tubing and slit fins with greater surface area for heat exchange, increasing the efficiency of the coils, which improves overall efficiency of the unit.



Insulated plenum prevents outside air intrusion.

EntryGard kick-in intrusion protection uses a steel retaining wire to secure chassis to the sleeve to deter 'kick-in' intrusion.



Firm grip handles make grasping the chassis for installation and removal much easier.

ALUMINUM REAR GRILLE PROTECTS THE UNIT FROM DAMAGE AND VANDALISM. NO ONE ELSE OFFERS THIS FEATURE.



SELECTED BY A PANEL OF HVAC CONTRACTORS, FRIEDRICH KÜHL RECEIVED A 2010 DEALER DESIGN AWARD, IN A COMPETITION HELD BY THE HVACR NEWS.



# Ultra Premium Line

## Kühl® Series



**Kühl®**  
**COOLING**  
 7900-36000 Btu  
 Up to 11.7 EER

**Kühl® +**  
*Electric Heat*  
**COOLING**  
 11200-36000 Btu  
 Up to 10.9 EER  
**ELECTRIC HEAT**  
 10700-17300 Btu

**Kühl® +**  
*Heat Pump*  
**COOLING**  
 9500-24000 Btu  
 Up to 11.7 EER  
**HEATING**  
 7500-23500 Btu

With four operating options, rugged construction and simplified maintenance, Kühl® is perfect for the demands of commercial applications.

### 4 operating options:

#### SIMPLE OPERATION

Turn the unit on, select 'MODE' and make simple up/down temperature adjustments either at the control panel or with included remote. Unit operates until turned off.

#### 7-DAY DEFAULT PROGRAM

Turn the unit on and press 'SCHEDULE' to utilize default settings. (ENERGY STAR® recommended settings optimized for night time occupancy).

#### 7-DAY CUSTOM PROGRAM

Turn the unit on and program for your preferred comfort levels and to maximize energy savings. Up to 4 settings per day for each day of the week.

#### REMOTE THERMOSTAT OPERATION

Wire the unit to a wall thermostat to operate the unit remotely and override the control panel.

LCD PANEL AUTO DIMS WHEN NOT IN USE

NIGHTLIGHT MODE

TEMPERATURE AND FAN ADJUSTMENT MAINTAINS YOUR CHOSEN COMFORT LEVEL

BACK UP SYSTEM SAVES SETTINGS IF POWER IS INTERRUPTED

BUILT-IN, 7-DAY PROGRAMMABLE THERMOSTAT

24-HOUR TIMER

AUDIO FEEDBACK OPTION

Auto-restart RETURNS UNIT TO PRIOR SETTINGS AFTER POWER IS INTERRUPTED

ELECTRONIC MAINTENANCE INDICATOR

KEYPAD LOCKOUT PROTECTS SETTINGS

CHECK FILTER REMINDER



DISPLAYS SET TEMPERATURE, ROOM TEMPERATURE, OUTDOOR TEMPERATURE, OR DIGITAL CLOCK AS SELECTED

YS10 115V unit is not equipped with electric heat. Will not operate below 40°F.

## Ultra Premium Line

### Comfort & Durability

- Commercial grade durability
- Advanced programmable 7-day thermostat
- 24-hour timer
- 4 cooling & 4 fan-only speeds\*
- Automatic fan speed adjustment
- Comfortwatch technology samples the air to more accurately maintain the set temperature
- 8-way air flow control
- Auto-changeover on models with heat
- Temperature readout can alternately display set temperature, room temperature, outdoor temperature, or digital clock as selected
- Unit can be wired to a wall thermostat (such as Friedrich RT6) for easy access to controls when unit is installed high in the wall or in any location where it is not easily accessible
- Scratch resistant cabinet
- LCD panel auto dims if not in use
- Auto-restart, long-term flash memory saves settings. Clock is backed up by 7 yr. battery
- LCD settings lockout option (ON/OFF)
- Sealed control panel for protection from dust, moisture and contaminants
- Control module is separate from touch controls for better protection from the elements, abusive handling or accidental damage and to minimize repair costs
- Significant energy savings over standard controls when programmability is utilized to optimize ON/OFF schedule and temperature
- 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)

### Sound Reduction 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

### Maintenance & Installation

- Electronic maintenance indicators include check filter reminder and error code storage
- Same sleeve dimensions for 20+ 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 for a more permanent installation
- Power cord can run either left or right
- Defrost control protects coil against freeze up
- Firm grip handles for easier chassis installation and removal
- Nut driver included for front cover assembly

### Energy Management & Compliance

- Autofan mode saves money by conserving energy
- ENERGY STAR® qualified models, including heat pumps
- 24V low voltage interface for wall thermostat and energy management control
- Environmentally-friendly R-410A refrigerant used in all models
- Recyclable packaging
- RoHS compliant

### Safety & Security

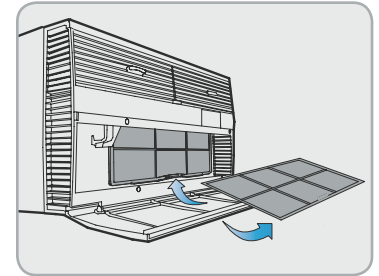
- EntryGard anti-intrusion protection - secures chassis to the sleeve with a steel retaining wire to deter 'kick-in' intrusion
- Power cord current leakage protected
- Aluminum outside grille
- Insect barrier

### Health & IAQ

- Superior fresh air intake and stale air exhaust vent
- Washable, antimicrobial air filter
- Optional 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

HINGED FILTER ACCESS DOOR FLIPS OPEN AND FILTER SLIDES OUT

OPTIONAL CARBON FILTER REMOVES ODORS AND VOCs



RUGGED REMOTE CONTROL WITH FULL LCD DISPLAY SHOWS MODE, FAN SPEED AND SET TEMPERATURE. TURN SCHEDULE ON/OFF.



OPTIONAL PREMIUM CARBON FILTERS SOLD IN PACKS OF 3

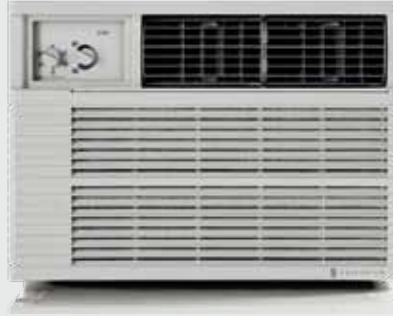
\*Kühl® 8000 Btu-23500 Btu models only. All SL models have 3 cooling and 3 fan-only speeds. Kühl + models have 3 cooling, heating, and fan-only speeds

## Premium Line

### XStar® Series



XQ  
COOLING  
5500-9500 Btu  
Up to 11.2 EER



EQ  
COOLING  
7500 Btu  
9.8 EER  
ELECTRIC HEAT  
4000 Btu

XQ. 50% smaller with programmable controls and commercial grade quality.

EQ. Heat/cool model with mechanical controls.



The XStar® Series is 50% smaller than our smallest Kühl® model and fits in tighter installations. Slideout chassis is perfect for either window or in-wall installations.

XQ Models are programmable, with features that include a 24-hour ON/OFF timer, auto adjusting Smart Fan, and a Money Saver® setting that reduces energy usage to save money.

EQ Model offers supplemental heating in addition to cooling performance.



SELECT MODE, FAN SPEED, ADJUST TEMPERATURE AND SET THE TIMER. (XQ MODEL ONLY)



## Premium Line

### XQ

#### Comfort & Productivity

- 24-hour timer lets you program on/off times
- Smart Fan adjusts fan speed to maintain desired temperature
- 3 cooling speeds, plus fan-only setting
- Comfortwatch technology samples the air to more accurately maintain the set temperature
- Ultraquiet operation
- 8-way air flow control
- Auto-restart saves settings if power is interrupted

#### Health & IAQ

- Washable, antimicrobial air filter

#### Maintenance & Installation Features

- Slideout chassis
- Install in a window or in a wall
- Heavy-duty installation hardware
- Heavy-duty side curtains reduce exterior noise/light in window installations
- Rust proof drain pan
- Power cord can run either left or right out of the side of the unit front
- The industry's smallest Btu slideout chassis (model XQ05)
- Same sleeve dimensions for over 20 years
- Powder-coated permanently affixed steel rear grille won't rattle or fall off

#### Energy Management & Compliance

- Three ENERGYSTAR® qualified models
- Money Saver® setting saves money by conserving energy
- Environmentally-friendly R-410A refrigerant used in all models

#### Safety & Security Features

- EntryGard anti-intrusion protection
- Power cord current leakage protected
- Insect barrier

THE SMALLEST CAPACITY ROOM AIR CONDITIONER WITH Slideout CHASSIS (MODEL XQ05, 5500 Btu)



### EQ

#### Comfort & Productivity

- 2 cooling & 2 heating speeds, plus fan-only setting
- Ultraquiet operation
- 8-way air flow control

#### Maintenance & Installation Features

- Slideout chassis
- Install in a wall or in a window with optional heavy-duty installation hardware
- Rust proof drain pan
- Power cord can run either left or right out of the side of the unit front

#### Energy Management & Compliance

- Environmentally-friendly R-410A refrigerant

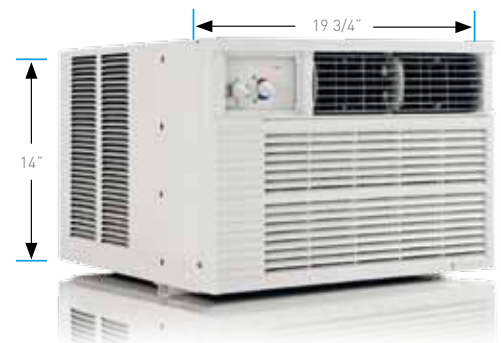
#### Health & IAQ

- Washable, antimicrobial air filter

#### Safety & Security Features

- EntryGard anti-intrusion protection
- Power cord current leakage protected
- Insect barrier

COMPACT SIZE UNITS ARE IDEAL FOR SMALL AREAS OR TIGHT SPACES. CAN BE INSTALLED IN A WALL OR IN A WINDOW.



## Deluxe Line

### CP Models



CP05  
COOLING  
5450 Btu  
10.7 EER



CP06      CP08  
COOLING      COOLING  
6000 Btu      7800 Btu  
10.7 EER      10.8 EER



CP10      CP12  
COOLING      COOLING  
10000 Btu      12000 Btu  
10.8 EER      10.8 EER

### CP05, CP06 AND CP08

#### Comfort & Productivity

- 12-hour timer lets you program on/off times
- Auto Air Sweep swing louvers\* provide more even air distribution
- Top air discharge on CP05; side air discharge on CP06 and CP08
- 3 cooling speeds, plus 3 fan-only settings
- Ultraquiet operation
- 4-way air flow control
- Auto-restart saves settings if power is interrupted

#### Energy Management & Compliance

- All models ENERGY STAR® qualified
- Money Saver® setting saves money by conserving energy

#### Health & IAQ

- Washable, antimicrobial air filter
- Stale air exhaust\*

#### Maintenance & Installation Features

- Slideout chassis\*\*
- Install in a window or in a wall\*\*
- Standard installation hardware
- Expandable side curtains
- Power cord can run either left or right out of the side of the unit front
- Window installation kit included

#### Safety & Security Features

- EntryGard anti-intrusion protection
- Power cord current leakage protected

\*Feature not available on CP05. \*\*CP05 has a fixed chassis and is for window installation only.

## Deluxe Line

The CP line is our highly-rated, deluxe line of room air conditioners with programmable controls for convenient operation.



SELECT MODE, FAN SPEED, ADJUST TEMPERATURE AND SET THE TIMER.

## CP10 AND CP12

### Comfort & Productivity

- 12-hour timer lets you program on/off times
- Auto Air Sweep swing louvers provide more even air distribution
- Side air discharge
- 3 cooling speeds, plus 3 fan-only settings
- Ultraquiet operation
- 4-way air flow control
- Auto-restart saves settings if power is interrupted

### Energy Management & Compliance

- All models ENERGY STAR® qualified
- Money Saver® setting saves money by conserving energy

### Health & IAQ

- Washable, antimicrobial air filter
- Stale air exhaust

### Maintenance & Installation Features

- Slideout chassis
- Install in a window or in a wall
- Standard installation hardware
- Window installation kit included
- Expandable side curtains
- Power cord can run either left or right out of the side of the unit front

### Safety & Security Features

- EntryGard anti-intrusion protection
- Power cord current leakage protected

**ALL**  
Energy Star®  
Models

Auto air sweep swing louvers for even cooling throughout the room



## Deluxe Line

### CP Models



CP15	CP18	CP24
COOLING	COOLING	COOLING
14700 Btu	18000 Btu	24230 Btu
10.7 EER	10.7 EER	9.4 EER

Up to two tons of cooling with Auto Air Sweep swing louvers for even cooling throughout the room.

### CP15, CP18 AND CP24

#### Comfort & Productivity

- 24-hour timer lets you program on/off times
- Auto Air Sweep swing louvers provide even air distribution
- 3 cooling speeds, plus 3 fan-only settings
- Ultraquiet operation
- 4-way air flow control
- Auto-restart saves settings if power is interrupted

#### Energy Management & Compliance

- ENERGY STAR® qualified models
- Money Saver® setting saves money by conserving energy

#### Health

- Washable, antimicrobial air filter
- Stale air exhaust

#### Maintenance & Installation Features

- Slideout chassis
- Install in a window or in a wall
- Standard installation hardware
- Window installation kit included
- Expandable side curtains
- Power cord can run either left or right out of the side of the unit front

#### Safety Features

- EntryGard anti-intrusion protection
- Power cord current leakage protected



SELECT MODE, FAN SPEED, AUTO SWING, ADJUST TEMPERATURE AND SET THE TIMER.

## Optional Accessories

### Decorative colored front covers for use with Kühl and Kühl+ models

Basic colors shown below. Additional colors may be available. Ask your sales person or visit [www.friedrich.com](http://www.friedrich.com) for more information.



Deep Red



Cobalt Blue



Classic Beige



Designer White



Black Onyx

Model	Color Front				
	Deep Red	Cobalt Blue	Classic Beige	Designer White	Black Onyx
	Kit No.				
All SS, ES and YS Models	KWREDS	KWBLUS	KWBGES	KWWHTS	KWBLKS
All SM, EM and YM Models	KWREDM	KWBLUM	KWBGEM	KWWHTM	KWBLKM
All SL, EL and YL Models.	KWREDL	KWBLUL	KWBGEL	KWWHTL	KWBLKL

### Window installation kits (Kühl+ and EQ models)

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

Heat/Cool Models	Kit No.
EQ08M11A	WIKQ
ES12M33A, ES15M33, YS10M10 and YS12M33.	KWIKS
EM18M34, EM24M34 and YM18M34.	KWIKM
EL36M35 and YL24M35.	KWIKL

### Drain kit for use with Kühl and Kühl + models

Drain tube field installed to the bottom of the base pan.

Model	Kit No.
All Kühl Series Models	DC2

### Premium carbon filters for use with Kühl and Kühl + models

Two-stage premium carbon filters for superior air filtration including ozone and VOCs (volatile organic compounds). Up to Merv 6 rating. Sold in packs of 3.

Model	Kit No.
All SS, ES and YS Models	KWCFS
All SM, EM and YM Models	KWCFM
All SL, EL and YL Models.	KWCFL



### Remote thermostat- RT6 for use with Kühl® and Kühl® + models

Digital thermostat for remote operation of Friedrich Kühl and Kühl + models.



### Cooling Sizing Guide

The following guide is based on normal room insulation, average number of sun-exposed windows and two-person occupancy.

FT <sup>2</sup>	Btu
100 - 150	5000
150 - 250	6000
250 - 300	7000
300 - 350	8000
350 - 400	9000
400 - 450	10000
450 - 550	12000
550 - 700	14000
700 - 1000	18000
1000 - 1200	21000
1200 - 1400	23000
1400 - 1600	25000
1600 - 1900	28000
1900 - 2700	36000

Due to variations in room design, climate zone and occupancy, larger areas may require the use of multiple units to provide the optimal cooling solution. Please consult your retail sales person.

# Specifications

★ ENERGY STAR® qualified

Model	Cooling Capacity Btu	Heating Capacity Btu	Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts	COP	Energy Efficiency Ratio EER	Estimated Yearly Operating Cost	Moisture Removal Pints/HR	Room Side Air Circulation CFM	Sleeve	Net Weight Lbs
<b>Kühl®</b>														
★ SS08M10	7900	—	115	6.1	677	—	—	—	11.7	\$54	1.0	265	S	99
★ SS10M10	9500	—	115	7.7	848	—	—	—	11.2	\$68	2.0	260	S	106
★ SS12M10	12000	—	115	10.0	1071	—	—	—	11.2	\$86	3.0	300	S	112
SS14M10	14000	—	115	12.0	1444	—	—	—	9.7	\$115	3.5	325	S	116
★ SS12M30A	11500/11200	—	230/208	4.8/4.9	1055/1027	—	—	—	10.9/10.9	\$84	2.8	275	S	112
SS15M30	14500/14300	—	230/208	6.4/6.8	1405/1385	—	—	—	10.3/10.3	\$112	3.5	360	S	116
★ SM18M30	17500/17200	—	230/208	7.4/8.0	1635/1617	—	—	—	10.7/10.7	\$131	4.6	350	M	140
★ SM21M30	20800/20700	—	230/208	9.4/10.3	2210/2180	—	—	—	10.0/10.0	\$177	6.0	425	M	132
SM24M30	23500/23300	—	230/208	11.2/11.9	2500/2479	—	—	—	9.4/9.4	\$200	10.0	390	M	152
★ SL28M30A	29000/28400	—	230/208	13.5/14.4	3095/3034	—	—	—	9.4/9.4	\$246	8.5	600	L	193
SL36M30	36000/35700	—	230/208	19.0/20.5	4235/4200	—	—	—	8.5/8.5	\$338	12.0	725	L	212
<b>Kühl® + Heat Pump</b>														
★ YS10M10*	9500	7500	115	7.8	812	7.6	743	3.0	11.7	\$65	1.9	285	S	109
★ YS12M33	12100/12100	9400/9000	230/208	5.2/5.4	1120/1120	5.6/5.8	1132/1139	2.4	10.8/10.8	\$89	3.0	265	S	115
★ YM18M34	18200/17800	15500/15400	230/208	8.5/8.9	1838/1798	8.5/8.7	1833/1761	2.6	9.9/9.9	\$147	5.4	370	M	141
★ YL24M35	24000/23600	23500/23200	230/208	11.1/12.0	2474/2433	12.2/14.3	2610/2575	2.6	9.7/9.7	\$198	7.0	600	L	197
<b>Kühl® + Electric Heat</b>														
ES12M33A	11500/11200	10700/8900	230/208	4.8/4.9	1055/1027	16.0/14.7	3500/2900	—	10.9/10.9	\$84	2.8	275	S	113
ES15M33	14500/14300	10700/8900	230/208	6.4/6.8	1405/1385	16.0/14.7	3500/2900	—	10.3/10.3	\$112	3.5	360	S	117
EM18M34	17500/17200	13000/10600	230/208	7.4/8.0	1635/1617	19.5/17.0	4200/3500	—	10.7/10.7	\$131	4.6	350	M	141
EM24M34	23500/23300	13000/10600	230/208	11.2/11.9	2500/2479	19.5/17.0	4200/3500	—	9.4/9.4	\$200	10.0	390	M	153
EL36M35	36000/35700	17300/14300	230/208	19.0/20.5	4235/4200	24.0/22.4	5500/4650	—	8.5/8.5	\$338	12.0	725	L	213
<b>XStar®</b>														
★ XQ05M10	5500	—	115	4.5	491	—	—	—	11.2	\$39	1.0	170	Q	72
★ XQ06M10A	5800	—	115	4.9	527	—	—	—	11.0	\$42	1.0	175	Q	72
★ XQ08M10	7500	—	115	6.9	701	—	—	—	10.7	\$56	1.7	175	Q	71
XQ10M10	9500	—	115	9.0	970	—	—	—	9.8	\$77	2.5	180	Q	71
<b>XStar® Electric Heat</b>														
EQ08M11A	7500	4000	115	6.9	765	11.2	1290	—	9.8	\$61	1.9	175	Q	72
<b>CP</b>														
★ CP05N10A	5450	—	115	4.8	510	—	—	—	10.7	\$41	1.3	135	P1	46
★ CP06F10	6000	—	115	5.1	560	—	—	—	10.7	\$45	1.8	210	P6	51
★ CP08F10	7800	—	115	6.8	720	—	—	—	10.8	\$58	2.3	250	P6	54
★ CP10F10	10000	—	115	8.5	920	—	—	—	10.8	\$74	3.0	270	P7	73
★ CP12F10	12000	—	115	10.2	1110	—	—	—	10.8	\$89	3.3	310	P7	73
CP15F10	14700	—	115	12.0	1370	—	—	—	10.7	\$110	3.5	470	P4	121
★ CP18F30	18000/17600	—	230/208	8.1/8.8	1680/1640	—	—	—	10.7	\$135	4.6	570	P5	141
★ CP24F30	24230/23540	—	230/208	10.9/11.8	2553/2500	—	—	—	9.4	\$206	7.0	590	P5	165

\* 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.

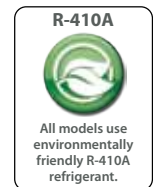
Kühl+ Heat Pump heating information (shown in red) indicates heat pump performance. Kühl+ Electric Heat heating information (shown in red) indicates electric heat strip performance. For Kühl+ Heat Pump electric heating performance refer to corresponding Kühl+ Electric Heat model.

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.

The consumer- through the AHAM Room Air Conditioner Certification Program- can be certain that the AHAM Certification Seal accurately states the unit's cooling and heating capacity rating, the amperes and the energy efficiency ratio.

Estimated yearly operating cost based on a 2007 national average electricity cost of 10.65 cents per kWh.

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



## Installation Information / Sleeve Dimensions

Sleeve	Height INCHES	Width INCHES	Depth with Front	Shell Depth to Louvers	Minimum Extension Into Room*	Minimum Extension Outside*	Window Width INCHES		In-wall Installation Finished Hole INCHES		
			A	B	INCHES	INCHES	Minimum**	Maximum	Height	Width	Max. Depth C
Q	14"	19 3/4"	21 3/8"	8 1/2"	5 1/2"	10 3/4"	22"	42"	14 1/4"	20"	8 1/2"
P1†	12"	18 1/2"	15"	5"	3 1/2"	10 3/4"	20 1/8"	36"	NOT FOR THRU-WALL		
P4	17 1/2"	26"	27 5/8"	8 7/8"	5 1/2"	16 5/8"	26 1/2"	42"	17 3/4"	26 1/4"	8 3/8"
P5	17 1/2"	26"	29 3/4"	8 7/8"	5 1/2"	19 1/2"	26 1/2"	42"	17 3/4"	26 1/4"	8 3/8"
P6	14"	18 3/8"	20 7/8"	8 1/8"	4 1/2"	11"	20 1/8"	36"	14 1/4"	18 3/4"	7 1/2"
P7	15"	23 5/8"	22 1/4"	8 3/4"	4 1/2"	12"	25 1/4"	39"	15 1/4"	23 7/8"	8"
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"
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"
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"





\* Minimum extensions when mounted in a window.

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

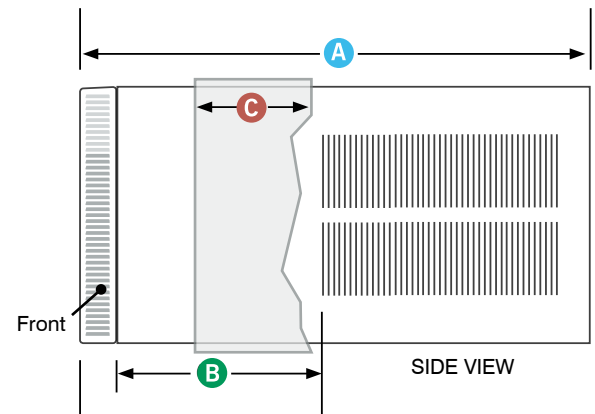
† Sleeve P1 does not have In-wall hole dimensions, as these units are fixed chassis and should not be installed In-wall.

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

## Circuit Rating/ Breaker

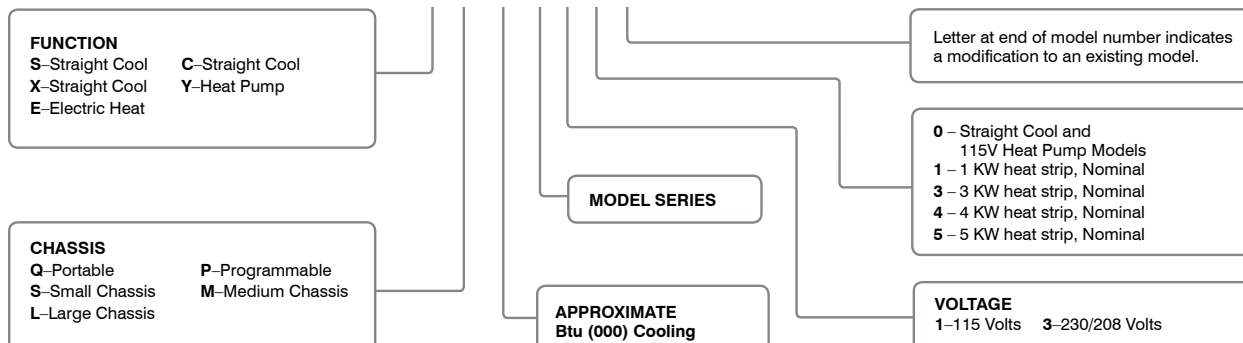
Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Power Cord Length (ft.)	Wall Outlet Appearance
CP05			7	
CP06, CP08, CP10, CP12 and CP15. ALL XQ MODELS. SS08M10, SS10M10, SS12M10 and SS14M10. EQ08M11. YS10M10.	125V - 15A	5 - 15P	6	
CP18, SS12M30A, SS15M30, SM18M30 and SM21M30.	250V - 15A	6 - 15P	4	
CP24, SM24M30 and SL28M30A. ES12M33A and ES15M33. YS12M33.	250V - 20A	6 - 20P	4	
SL36M30, EM18M34, EM24M34 and EL36M35. YM18M34 and YL24M35.	250V - 30A	6 - 30P	4	

Sleeve Dimensions Drawing



## Room Air Conditioner Model Identification Guide

### SL28M30A





Friedrich is a partner in the ENERGY STAR® program which promotes the conservation of energy and the protection of the environment through the purchase of high efficiency appliances.



F R I E D R I C H

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