



FRIEDRICH

1883



I N T R O D U C I N G

Kühl Series

COMMERCIAL GRADE DURABILITY with BUILT-IN, 7 DAY PROGRAMMABLE THERMOSTAT





FRIEDRICH

1883

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The room air conditioners  
preferred in the most  
demanding applications and  
climates around the world.

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QUALITY



Durable, commercial grade products that last longer... a better investment

Friedrich air conditioners are a superior product built from high grade materials and components that deliver dependable operation for years after the sale.



### Industry leading efficiency

As an industry leading pioneer in energy efficiency, our partnership with the U.S. Department of Energy's Energy Star program was a natural continuation of our devotion to the development of products that conserve energy and help protect the environment. And, by designing energy efficient products, we help reduce energy consumption.



### Trusted performance

Friedrich air conditioners can be found in some of the world's toughest locations. 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.



# True commercial-grade quality.

How do you build the very best air conditioners? We start with the finest materials and the highest quality components. Things like rifled copper tubing and high tech aluminum fins to achieve higher efficiencies. Totally enclosed fan motors that seal out dirt to run cooler and last longer.

Rotary compressors mounted with extra thick rubber grommets that absorb vibration. Advanced air flow technology is utilized to reduce noise while improving air flow.



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## Fan motor

Robust, commercial grade fan motor runs at a lower temperature than smaller fan motors, which:

- Prevents the unit from overheating
- Contributes to longer life

Totally enclosed for maximum protection and longer life.



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## Aluminum rear grille

Protects unit from damage and vandalism. No one else offers this feature.



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## Aluminum endplates

Won't rust like leading competitors' steel, which rusts when exposed to condensate that can collect in drain pan.

Prevents rust from running down the sides of buildings and creating an unsightly exterior that is expensive to repair. Significantly extends life of unit.



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## High-tech fins

Sine wave, lanced louvers increase energy efficiency by increasing surface area for heat exchange.



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## High efficiency compressors

Energy efficient compressors at the heart of every Friedrich unit create smooth, quiet power.



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## Extra thick rubber grommets

Absorb motion and sound to reduce unwanted noise.



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### Sleeve sizes unchanged

Friedrich sleeve sizes have remained unchanged for 20+ years for easy retrofits.

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### Heavy gauge steel

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

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### Solid sleeve top

Keeps out falling debris, which can obstruct the fan and prevent it from turning, thus damaging the unit.

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### Vibration isolators

Vibration and noise isolating technology.

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### Protective motor mount

Two resilient rings on motor mount prevent metal-to-metal contact, which eliminates extra vibration and noise.

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### Advanced airflow technology

Cutting edge engineering is behind this unique design which lets more air through as space increases for quieter operation.

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### Blower wheel housing

Solid steel for maximum sound reduction.

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### Energy Saving modes

Turn off the fan when the compressor stops, saving money by operating only when required.

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### Rifled copper tubing

Greater surface area for heat exchange, increasing the efficiency of the coils, which improves overall efficiency of the unit.

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### EntryGard kick-in intrusion protection

Steel retaining wire secures chassis to the sleeve to deter 'kick-in' intrusion.

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### Scientific refrigeration design

Better design for quieter performance.

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### Solid hardboard side panels

Or heavy duty side curtains block outside noise and light.

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### Insulated plenum

Insulated plenum prevents outside air intrusion.

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### Insect barrier

Screen allows condensate to pass through drain channel but mosquitoes can't enter the room.

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# 7 day programmable thermostat with up to 4 settings/day.

Maximize energy savings and comfort

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

## Choose from 4 operating options:

### 1. 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.

### 2. 7 DAY DEFAULT PROGRAM

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

### 3. 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.

### 4. REMOTE THERMOSTAT OPERATION

Wire the unit to a wall thermostat to operate the unit remotely and override the control panel. See optional accessories on page 13.

## Comfort & Productivity

- Commercial grade durability
- Built-in 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 and outdoor temperature, or digital clock as selected
- Unit can be wired to a wall thermostat (such as Friedrich RT5) 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 touchpad 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 adjust ON/OFF schedule and temperatures
- 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)

\*Kühl 8,000 BTUh-23,500 BTUh models only. All SL models have 3 cooling and 3 fan-only speeds. Kühl + models have 3 cooling, heating, and fan-only speeds

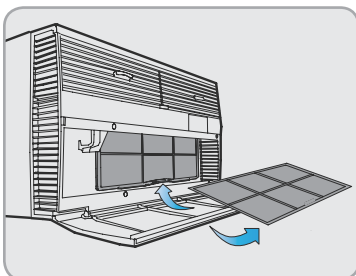


## Sound Reduction Technology

- 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 Features

- Electronic maintenance indicators include check filter reminder and error code storage
- Same sleeve dimensions for 20+ years
- Slide-out chassis for more permanent installation and easier access for maintenance
- Install in a window or thru-the-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



HINGED FILTER ACCESS DOOR  
FLIPS OPEN AND FILTER  
SLIDES OUT

OPTIONAL CARBON FILTER  
REMOVES ODORS AND VOCs

## Energy Management & Compliance

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

## Safety & Security Features

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

## Health & IAQ

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



### Kühl

7900-36000 BTU/h  
Up to 12.0 EER

### Kühl+

*Electric Heat*

COOLING 11700-36000 BTU/h      ELECTRIC HEAT 10700-17300 BTU/h

Up to 11.4 EER

### Kühl+

*Heat Pump*

COOLING 9500-24000 BTU/h      HEATING 7500-23500 BTU/h

Up to 11.7 EER



FULL COLOR INFORMATIONAL  
PACKAGING (small & medium  
chassis packaging)



RoHS compliant

XQ. Programmable, commercial grade quality models with exceptional energy efficiency.

EQ. Our compact heat/cool model with mechanical controls.

The XStar® line is our compact chassis, premium line of commercial grade room air conditioners with programmable controls for convenient operation (cooling only models).

XQ is fully programmable, with features that include a 24-hour timer, auto adjusting Smart Fan, and a Money Saver® setting that reduces energy usage and saves money.

EQ is ideal for supplemental heating and cooling.



## XQ

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### 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

- Slide-out, washable antimicrobial filter for protection against fungal and bacterial growth

## EQ

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### Comfort & Productivity

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

### Health & IAQ

- Slide-out, washable antimicrobial filter for protection against fungal and bacterial growth



### Maintenance & Installation Features

- Slide-out chassis
- Install in window or thru-wall
- Heavy duty installation hardware
- Heavy duty side curtains reduce exterior noise/light
- Power cord can run either left or right out of the side of the unit front
- The industry's smallest BTU slide-out chassis (model XQ05)

### 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
- Insect barrier



**XQ**  
COOLING  
5500-9500 BTU/h  
Up to 12.0 EER



### Maintenance & Installation Features

- Slide-out chassis
- Install thru-the-wall or in a window with optional heavy duty installation hardware
- Heavy duty side curtains reduce exterior noise/light
- Power cord can run either left or right out of the side of the unit front

### Energy Management & Compliance

- Environmentally-friendly R-410A refrigerant

### Safety & Security Features

- EntryGard anti-intrusion protection
- Insect barrier



**EQ**  
COOLING  
7500 BTU/h  
10.7 EER

**ELECTRIC HEAT**  
4000 BTU/h



## Programmable models with high efficiency and outstanding value.

The CP line is our highly-rated, deluxe line of room air conditioners with programmable controls for convenient operation. Sizes from a compact 5,000 BTU/h bedroom air conditioner to a 2-ton model powerful enough to cool a large living area or multiple adjoining rooms.

Programmable features including 12 or 24 hour timers, auto air sweep\*, and a Money Saver® setting that reduces energy usage and saves money.



### CP05

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#### Comfort & Productivity

- 12 hour timer lets you program on/off times
- 3 cooling speeds, plus 3 fan-only settings
- Ultraquiet operation
- 4-way air flow control
- Auto restart saves settings if power is interrupted

#### Health & IAQ

- One-touch, lift-out, washable antimicrobial filter for protection against fungal and bacterial growth
- Stale air exhaust

### CP06, CP08

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#### Comfort & Productivity

- 12 hour timer lets you program on/off times
- Auto Air Sweep swing louvers provide more even air distribution
- 3 cooling speeds, plus 3 fan-only settings
- Money Saver® setting saves energy by cycling the fan with the compressor
- Ultraquiet operation
- 4-way air flow control
- Auto restart saves settings if power is interrupted

\*Excludes CP 05

### Energy Management & Compliance

- ENERGY STAR® qualified model
- Money Saver® setting saves money by conserving energy
- Stale air exhaust

### Maintenance & Installation Features

- Fixed chassis
- Standard installation hardware
- 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



CP05  
COOLING  
5500 BTU/h  
10.7 EER



### Energy Management & Compliance

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

### Health & IAQ

- One-touch, lift-out, washable antimicrobial filter for protection against fungal and bacterial growth
- Stale air exhaust

### Maintenance & Installation Features

- Slide-out chassis
- Standard installation hardware
- 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



CP06  
COOLING  
6000 BTU/h  
10.7 EER

CP08  
COOLING  
7800 BTU/h  
10.7 EER



## CP10, CP12

### Comfort & Productivity

- 12 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

### Health & IAQ

- One-touch, lift-out, washable antimicrobial filter for protection against fungal and bacterial growth
- Stale air exhaust

### Maintenance & Installation Features

- Slide-out chassis
- Standard installation hardware
- Expandable side curtains
- Power cord can run either left or right out of the side of the unit front

### Energy Management & Compliance

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

### Safety Features

- EntryGard anti-intrusion protection



**CP10**  
COOLING  
10000 BTU/h  
10.8 EER

**CP12**  
COOLING  
12000 BTU/h  
10.8 EER



## CP15, CP18, 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

### Health

- One-touch, lift-out, washable antimicrobial filter for protection against fungal and bacterial growth
- Stale air exhaust

### Maintenance & Installation Features

- Slide-out chassis
- Standard installation hardware
- Expandable side curtains
- Power cord can run either left or right out of the side of the unit front

### Energy Management & Compliance

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

### Safety Features

- EntryGard anti-intrusion protection



**CP15**  
COOLING  
14700 BTU/h  
10.7 EER

**CP18**  
COOLING  
18000 BTU/h  
10.7 EER

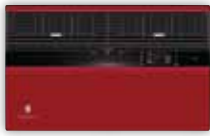
**CP24**  
COOLING  
24000 BTU/h  
9.4 EER



## 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

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

### 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

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

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

Heat/Cool Models	Kit No.
EQ08M11	WIKQ
ES12M33, ES15M33, YS10M10 and YS12M33.	KWIKS
EM18M34, EM24M34 and YM18M34.	KWIKM
EL36M35 and YL24M35.	KWIKL

### Drain kit

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

Model	Kit No.
All Models	DC2

### 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/h
100-150	5,000
150-250	6,000
250-300	7,000
300-350	8,000
350-400	9,000
400-450	10,000
450-550	12,000
550-700	14,000
700-1,000	18,000
1,000-1,200	21,000
1,200-1,400	23,000
1,400-1,600	25,000
1,600-1,900	28,000
1,900-2,700	36,000

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.

### Remote thermostat

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

RT5

TWO-SPEED FAN



# 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
★ SS12M30	11700/11200	—	230/208	4.8/4.9	1026/982	—	—	—	11.4/11.4	\$82	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	17500/17300	—	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	2080/2070	—	—	—	10.0/10.0	\$166	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
★ SL28M30	27800/27000	—	230/208	13.5/14.4	2865/2812	—	—	—	9.7/9.6	\$229	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	15400/15500	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	13.4/12.6	2610/2575	2.6	9.7/9.7	†	7.0	600	L	197
<b>Kühl + Electric Heat</b>														
ES12M33	11700/11200	10700/8900	230/208	4.8/4.9	1026/982	16.0/14.7	3500/2900	3.3	11.4/11.4	\$82	2.8	275	S	113
ES15M33	14500/14300	10700/8900	230/208	6.4/6.8	1405/1385	16.0/14.7	3500/2900	3.0	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	3.1	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	3.1	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	2.5	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
★ XQ06M10	6000	—	115	4.9	500	—	—	—	12.0	†	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	\$56	2.5	180	Q	71
<b>XStar® Electric Heat</b>														
EQ08M11	7500	4000	115	6.3	701	11.2	1290	2.8	10.7	\$56	1.9	175	Q	72
<b>CP</b>														
★ CP05N10A	5500	—	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	—	—	—	10.7	\$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	2.5	470	P4	121
★ CP18F30	18000/17600	—	230/208	8.1/8.8	1682/1644	—	—	—	10.7	\$135	2.8	570	P5	141
★ CP24F30	24000/23500	—	230/208	10.9/11.8	2553/2500	—	—	—	9.4	\$206	4.7	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.

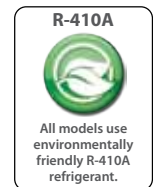
Due to continuing research in new energy-saving technology, specifications are subject to change without notice.

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.

† The estimated yearly operating cost of this model was not available at the time the range was published.





# Installation Information / Sleeve Dimensions

Sleeve	Height	Width	Depth with Front	Shell Depth to Louvers	Minimum Extension Into Room*	Minimum Extension Outside*	Window Width		Thru-the-wall Installation Finished Hole		
			A	B			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.

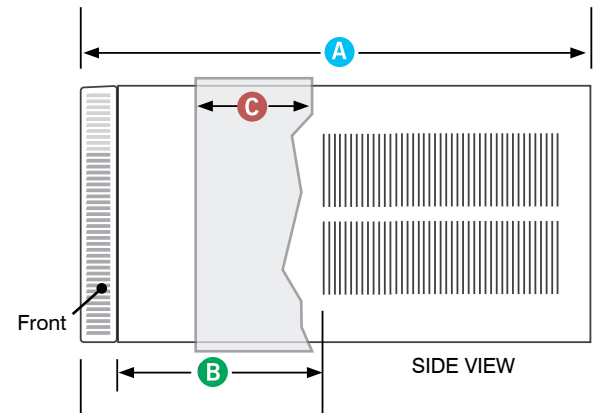
\*\* Minimum widths achieved using one side curtain assembly as opposed to both in a standard installation.

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

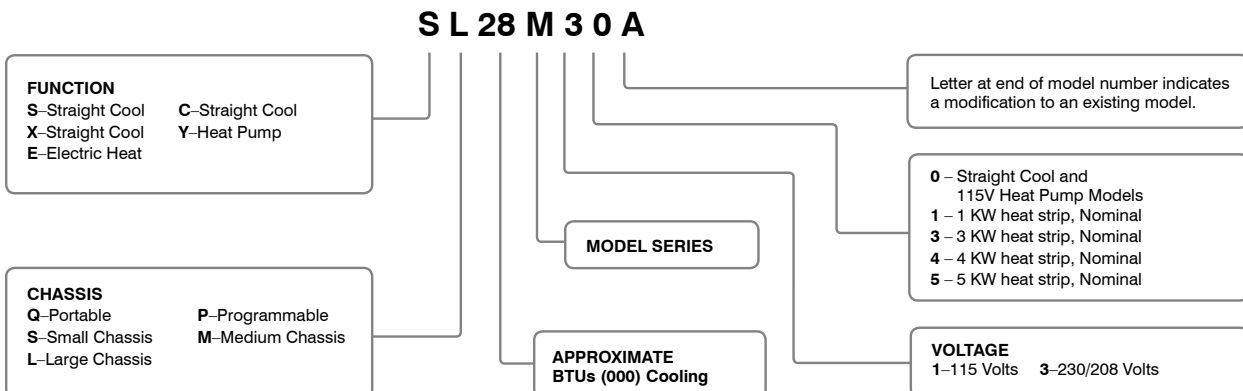
NOTE: S, M and L sleeves may be installed in window with no side kits if properly installed.

## 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, SS12M30, SS15M30, SM18M30 and SM21M30.	250V - 15A	6 - 15P	4	
CP24, SM24M30 and SL28M30. ES12M33 and ES15M33. YS12M33.	250V - 20A	6 - 20P	4	
SL36M30, EM18M34, EM24M34 and EL36M35. YM18M34 and YL24M35.	250V - 30A	6 - 30P	4	



## Room Air Conditioner Model Identification Guide



# A full line of air conditioning solutions

## PORTABLE AIR CONDITIONERS

Great for fast back-up or supplemental cooling. Plug into a standard 115 volt outlet. They can be quickly vented through a window or wall opening. Full display electronic controls and remote control.

### IDEAL FOR:

Workshops, garages, home offices, dorm rooms, sunrooms, bedrooms, attics and basements.

## THRU-THE-WALL AIR CONDITIONERS

Residential and commercial applications. 26 and 27 inch wall sleeve models. A high efficiency replacement for older units.

**IDEAL FOR:** Deep exterior walls and year 'round installations. Can be installed flush with exterior wall and floor level.

## PACKAGED TERMINAL AIR CONDITIONERS

Energy efficient and extremely quiet. Friedrich PTACs offer programmable electronics with a large LED display that provides precise temperature control and energy savings. Installs thru-the-wall.

### IDEAL FOR:

Lodging, healthcare, dormitories and any application where a thru-the-wall installation is desired.

## DUCTLESS SPLIT SYSTEMS

Sleek, absolutely quiet and incredibly energy efficient, with SEERs up to 20.0! Twenty system configurations including nine dual, tri-zone and quad-zone wall-mounted configurations. Floor and ceiling models also available.

### IDEAL FOR:

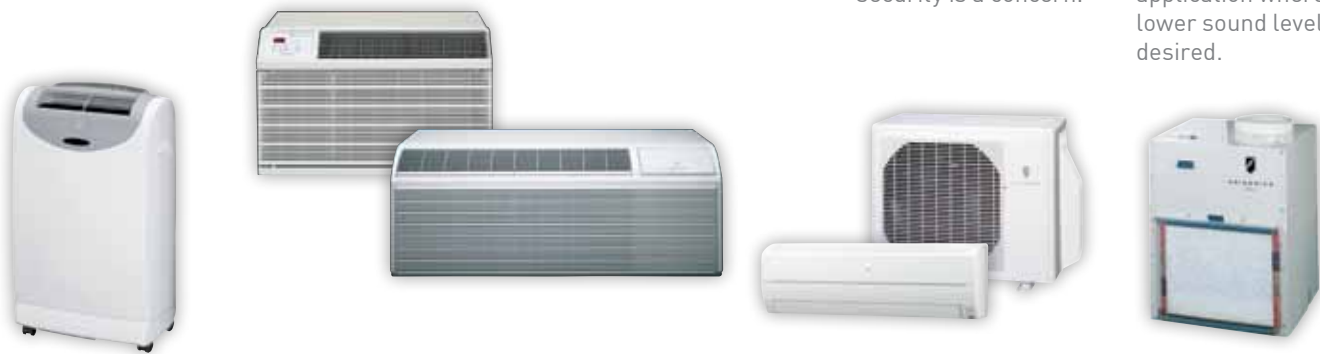
Zone cooling or locations where no ductwork exists, or is impossible or too costly to install. Any area where security is a concern.

## VERTICAL SINGLE PACKAGE UNITS

Self contained unit installs in a small utility closet. A simpler way to condition multiple rooms. VERT-I-PAK installs as easily as a PTAC and the concealed installation creates a more homelike feel in a guest room or suite.

### IDEAL FOR:

Suites, extended stay properties, apartments and dorms; or any application where lower sound levels are desired.



See the full line of Friedrich products @ [www.friedrich.com](http://www.friedrich.com)



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.



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