



FRIEDRICH

1883



I N T R O D U C I N G

Kühl Series

COLOR OPTIONS

Optional designer colored fronts sold separately. Satin Silver included.



OUR NEW ULTRA PREMIUM LINE of ROOM AIR CONDITIONERS & ROOM AIR CONDITIONERS with HEAT

# Which Friedrich is right for you?

		ULTRA PREMIUM LINE		PREMIUM LINE		DELUXE LINE
		Kühl	Kühl+	XStar®	XStar® + heat	CP
OVERVIEW	Description	Top shelf design and features. Programmability to rival central systems. Trusted Friedrich durability. Designer colors.	All the elegance, performance and durability of Kühl, plus heating. Choose efficient heat pump or toasty electric heat.	Small and powerful. Programmable controls. Easier to self-install and store.	Year 'round use. Heavy duty construction for serious durability. Simple knob controls.	Good value. Available in a large range of cooling capacities. Programmable timer.
	Room size [sq. ft.]	300-2700	350-2700	100-450	300-350	100-1500
	Functions	COOL	HEAT/COOL	COOL	HEAT/COOL	COOL
	Applications	AT HOME OR COMMERCIAL USE	AT HOME OR COMMERCIAL USE	AT HOME OR COMMERCIAL USE	AT HOME OR COMMERCIAL USE	AT HOME OR LIGHT COMMERCIAL USE
COMFORT & CONVENIENCE	Electronic controls	Y	Y	Y	N	Y
	Programmable timer	7-day with up to 4 settings per day	7-day with up to 4 settings per day	24 hr	N	CP05, CP06, CP08, CP10 and CP12 have 12 hr. CP15, CP18, and CP24 have 24 hr.
	Remote control	LCD	LCD	Y	N	LCD except CP15, CP18, CP24
	Wall thermostat capability	Y	Y	N	N	N
	Auto restart w/setting retention	Y	Y	Y	NA	Y
	Auto temp/ fan speed adjustment	Y	Y	Y	N	N
	Comfortwatch technology	Y	Y	Y	N	N
	Air flow directions	8	8	8	8	4
	Auto swing louvers	N	N	N	N	All except CP05
	Optional color fronts	Y	Y	N	N	N
SOUND REDUCTION TECHNOLOGY	Steel inner wall and extra dense insulation	Y	Y	Y	Y	N
	Vibration isolating design and components	Y	Y	Y	Y	N
	Superior airflow design	Y	Y	N	N	N
EARTH FRIENDLY	Energy Star models	Y	Y	Y	N	Y
	Environmentally friendly R-410A	Y	Y	Y	Y	Y
	Energy saver switch	Y	Y	Y	N	Y
	RoHS compliant	Y	Y	N	N	N
HEALTH	Washable, antimicrobial air filter	Y	Y	Y	Y	Y
	Optional carbon filter	Y	Y	N	N	N
	Electronic maintenance indicator including check filter reminder	Y	Y	N	N	N
	Superior fresh air intake/stale air exhaust	Y	Y	N	N	Stale air exhaust only, all except CP05
SAFETY	EntryGard anti-intrusion protection	Y	Y	Y	Y	Y
	Insect barrier	Y	Y	Y	Y	N
INSTALLATION	Slide-out chassis	Y	Y	Y	Y	All except CP05
	Power cord direction	Left or right	Left or right	Left or right	Left or right	Left or right
	Thru-the-wall installation option	Y	Y	Y	Y	All except CP05
	Window installation hardware	Heavy duty	Heavy duty, available as accessory	Heavy duty	Heavy duty, available as accessory	Standard

## Our continuous testing ensures your Friedrich air conditioner will perform up to our expectations— and beyond yours.

At the heart of each Kühl unit, you'll find the durable components and heavy duty construction that define the Friedrich brand: Heavy gauge steel, rifled copper tubing, high tech aluminum fins with sine wave technology, aluminum end plates that reduce corrosion, totally-enclosed commercial grade motors, high efficiency compressors, vibration absorbing technology and insulated air plenums.

Friedrich conducts rigorous performance tests to ensure customer satisfaction and safety. Run tests are performed- for up to 120 continuous days- under typical, and extreme, temperature and humidity conditions. Air flow systems are tested for powerful and precise air distribution, while sound levels are measured 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.

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

Friedrich conducts rigorous performance tests and incorporates advanced design techniques to build the very best air conditioners.

PERFORMANCE TESTING	
Unit Performance	Product tested for capacity and energy efficiency (EER) pursuant to AHAM RAC-1 test standard and DOE requirements.
Air Handling system	Airflow systems designed utilizing state-of-the-art Computational Fluid Dynamics (CFD) and validated with empirical testing, infrared thermography, and smoke trace analysis.
Air Discharge system	Air discharge louver and directional system aerodynamic design maximizes airflow throw distance and directivity, improving room air distribution effectiveness.
Premium Air Filter	Filter capture efficiency (MERV 6 rating) as per ASHRAE Standard 52.2
Premium Carbon Air Filter	VOC removal from air using premium carbon filter tested per IBRTM P300 Gas Phase Capacity Test
Acoustics	Tested in accordance with ARI 350 – Sound Performance Rating of Non-Ducted Indoor Air Conditioning Equipment to ensure quiet operation
Electronic Controls Software	Electronic Control software rigorously tested using regression testing methodology to assure logic and control states are achieved as designed.
Electronic Controls Hardware	Electronic control hardware systems receive extreme short circuit, over / under voltage, high temp, radiated emissions, electromagnetic pulse / spike susceptibility and other tests to assure durability.
RELIABILITY	
Refrigeration and Mechanical systems	Accelerated life tests at extreme environmental conditions and at abnormal cycle rates to ensure product reliability
Compressor	Stress tested to ensure compressor reliability throughout product's life cycle
Air discharge louvers	Louvers cycle tested robotically to ensure product life cycle durability
Packaging	Shake, Drop, Crush and transit testing to ensure the packaging design is durable and robust enough to prevent damage to the unit
Field testing	Consumer feedback from actual installations
User Interface Handle	Finite Element Analysis (FEA) and load testing to ensure the handle design is capable of withstanding high stress
SAFETY	
Unit	Units are tested to the requirements of UL 485 -Standard for Safety of Room Air Conditioners to ensure safe operation. Tests include electric heater overload, rain penetration, high pressure and numerous other tests to assure a safe a reliable product

## Innovative technology. Intuitive controls.

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

ELECTRONIC MAINTENANCE INDICATOR

SURFACE KEYPAD LOCKOUT PROTECTS SETTINGS

CHECK FILTER REMINDER



ALTERNATELY DISPLAYS:

SET TEMPERATURE — ROOM TEMPERATURE — OUTDOOR TEMPERATURE — OR DIGITAL CLOCK AT THE TOUCH OF A BUTTON

### 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 for optimum energy efficiency for a typical work week where the home is unoccupied during the day Monday through Friday).

**3. 7 DAY CUSTOM PROGRAM**

Turn the unit on and program for your preferred comfort levels and to maximize energy savings according to your schedule. Up to 4 settings per day, 7 days a week.

**4. REMOTE THERMOSTAT OPERATION**

Wire the unit to a wall thermostat to operate the unit remotely and override the control panel. Wall thermostats are available from Friedrich and are sold separately.

### Rugged, LCD remote control



FULL LCD DISPLAY SHOWS MODE, FAN SPEED, SET TEMPERATURE, SCHEDULE

ADJUST TEMPERATURE AND FAN SPEEDS

SET AUTO MODE

TURN THE SCHEDULE ON OR OFF

## Comfort has a bold new look.

A bold, satin silver front with black accenting and illuminated soft-touch controls places Friedrich Kühl Series at the forefront of room air design. Advanced digital controls intuitively provide comfort, convenience and ease of use, and allow for a range of programmability previously only associated with high-end central air systems.

## And an exciting palette of colors that complement your home and the way you live.

Technology this advanced couldn't be limited to a single color. Kühl and Kühl+ room air conditioners are available in optional designer colors that boldly stand out or blend in.

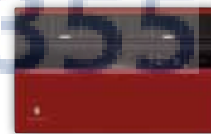


Satin Silver  
( S T A N D A R D )

**AjMadison**  
Your Appliance Authority™

OPTIONAL  
DESIGNER COLORS

800-570-3355



Deep Red



Cobalt Blue



Pink Diamond



Designer White



Classic Beige



Black Onyx

Ask your sales person  
or visit [www.friedrich.com](http://www.friedrich.com)  
for ordering information.

Choose the perfect color,  
the right cooling capacity  
and simply relax.

Distinctive LCD remote with mountable holster.



---

## Comfort & Convenience

- Commercial grade durability
- Optional wired wall thermostat
- Built-in programmable 7 day thermostat
- 24 hour timer
- 4 cooling and 4 fan-only speeds on select models\*
- Automatic fan speed adjustment
- Comfortwatch technology samples the air to more accurately maintain the set temperature
- 8-way air flow control
- Auto-changeover from cool to heat, or heat to cool, to maintain desired temperature (Kühl+ models)
- Temperature readout can alternately display set temperature, room temperature and outdoor temperature, or digital clock as selected
- Control panel lockout (ON/OFF)
- Scratch resistant cabinet
- LCD panel auto dims if not in use
- Nightlight mode
- 7 yr. battery provides back up system that saves settings if power is interrupted

---

## Superior Sound Reduction Technology

- Steel inner wall and extra dense insulation materials block outdoor noise
- Vibration isolating design and components diminish traditional operating noise
- Precision engineering maximizes air flow while delivering ultraquiet operation

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

## Superior filtration

- Superior fresh air intake and stale air exhaust vent
- Washable, antimicrobial air filter
- Check filter reminder
- 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 for easier maintenance
- Electronic maintenance indicators with error code storage

## Installation Features

- Install in a window or thru-the-wall
- Slide-out chassis for more permanent installation and easier access for maintenance
- Includes heavy duty window installation hardware (optional accessory on Kuhl+ models)
- Rugged hardboard side panels for a more permanent installation
- Power cord can run either left or right
- Firm grip handles for easier chassis installation and removal
- Front cover attaches easily and securely. Nut driver included.

## Earth Friendly

- Auto Fan mode saves money by conserving energy
- 12 ENERGY STAR® qualified models, including all four heat pumps
- 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
- Insect barrier
- Protective rear grille

## Accessories (sold separately)

- Optional designer colored front covers
- 3 pack of premium carbon filters
- (Kuhl +) window installation kits
- Wall thermostat



### Kühl

7900-36000 BTU/h  
Up to 11.7 EER

### Kühl+

*Electric Heat*

<b>COOLING</b> 11700-36000 BTU/h	<b>ELECTRIC HEAT</b> 10700-17300 BTU/h
-------------------------------------	---

Up to 11.4 EER

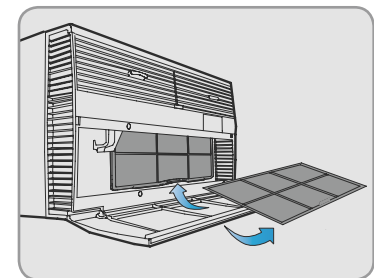
### Kühl+

*Heat Pump*

<b>COOLING</b> 9500-24000 BTU/h	<b>HEATING</b> 7500-23500 BTU/h
------------------------------------	------------------------------------

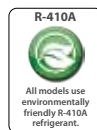
Up to 11.7 EER

*Heat Pumps reverse the air conditioning cycle to provide heated air in winter. In temperatures above 39° F, heat pumps are approximately 33% more energy efficient than electric heat.*



HINGED FILTER ACCESS DOOR  
FLIPS OPEN AND FILTER  
SLIDES OUT

OPTIONAL CARBON FILTER  
REMOVES ODORS AND VOCs



Aj Madison

Your Appliance Authority

800-570-3355

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, premium line of commercial grade room air conditioners.

XQ is programmable and includes a remote. Features 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.

**AjMadison**  
Your Appliance Authority™

800-570-3355



## Comfort & Convenience

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

## Health

- Washable antimicrobial filter for protection against fungal and bacterial growth

## Installation

- Slide-out chassis
- Install in window or thru-the-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/h slide-out chassis (model XQ05)

## Safety Features

- EntryGard anti-intrusion protection
- Insect barrier



XQ

COOLING

5500-9500 BTU/h  
Up to 12.0 EER

EQ

COOLING

7500 BTU/h  
10.7 EER

ELECTRIC HEAT

4000 BTU/h



Ajmadison  
Your Appliance Authority  
800-570-3355

\* Feature not available on EQ.

\*\*EQ has 2 cooling speeds, 2 heating speeds and fan-only setting

## 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 5,500 btu 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.



\*Excludes CP 05

### Comfort & Convenience

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

### Installation

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



CP05  
COOLING  
5500 BTU/h  
10.7 EER

### Health

- One-touch, lift-out, washable antimicrobial filter for protection against fungal & bacterial growth



800-570-3355

### Comfort & Convenience

- 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 money by conserving energy
- 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 & bacterial growth
- Stale air exhaust

### Installation

- 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



CP06  
COOLING  
6000 BTU/h  
10.7 EER

CP08  
COOLING  
7800 BTU/h  
10.8 EER

### Safety Features

- EntryGard anti-intrusion protection

### Comfort & Convenience

- 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
- Money Saver® setting saves money by conserving energy
- 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

### Installation

- 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



CP10	CP12
COOLING	COOLING
10000 BTU/h	12000 BTU/h
10.8 EER	10.8 EER

### Safety Features

- EntryGard anti-intrusion protection

**AJ Madison**  
Your Appliance Authority™

### Comfort & Convenience

- 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
- Money Saver® setting saves money by conserving energy
- 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

### Installation

- 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



CP15	CP18	CP24
COOLING	COOLING	COOLING
14700 BTU/h	18000 BTU/h	24000 BTU/h
10.7 EER	10.7 EER	9.4 EER

### Safety Features

- EntryGard anti-intrusion protection

800-570-3355

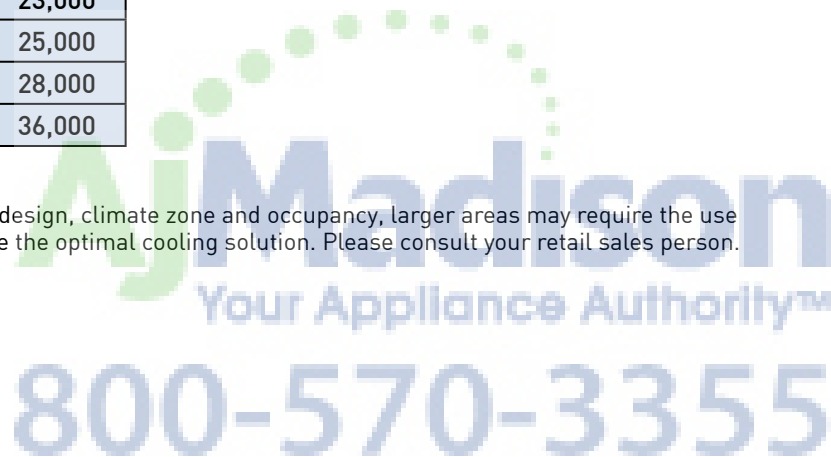
# Sizing your air conditioner correctly is vital.

## Sizing Guide

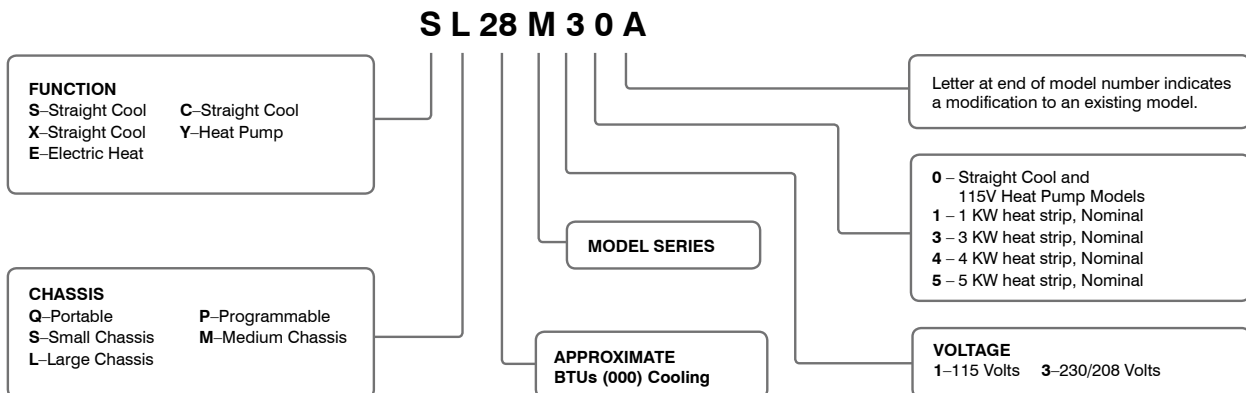
The following guide is based on normal room insulation, average number of sun-exposed windows and two-person occupancy.

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.



## Room Air Conditioner Model Identification Guide



# 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	17500/17200	—	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	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	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>														
ES12M33	11700/11200	10700/8900	230/208	4.8/4.9	1026/982	16.0/14.7	3500/2900	—	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	—	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
★ XQ06M10	6000	—	115	4.9	500	—	—	—	12.0	\$40	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>														
EQ08M11	7500	4000	115	6.9	701	11.2	1290	—	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	—	—	—	10.8	\$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	2.5	470	P4	121
★ CP18F30	18000/17600	—	230/208	8.1/8.8	1680/1640	—	—	—	10.7	\$135	2.8	570	P5	141
★ CP24F30	24230/23540	—	230/208	10.9/11.8	2580/2500	—	—	—	9.4	\$206	4.7	590	P5	165

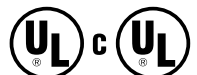
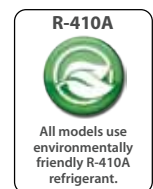
\* Operates on 115 volt and is not equipped with supplemental heat. Will not provide heat at temperatures below 40°F. Friedrich room air conditioners are designed to operate in outdoor temperatures from 60° F to 115° F.

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.

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a 2007 national average electricity cost of 10.65¢ per kWh.



## 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.

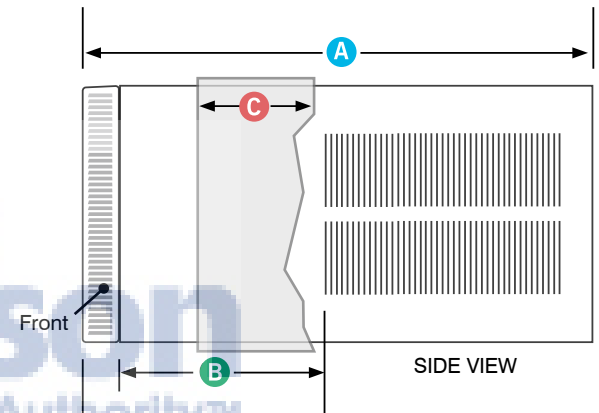
\*\* Minimum widths achieved using one side curtain assembly as opposed to both in a standard installation.

† 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	



## Window Mounting Kits

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

## Premium Carbon Filters

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

Each kit contains 3 replacement carbon filters

Friedrich heat/cool models include accessories for thru-the-wall installation only. Window mounting requires use of optional accessory kit as listed above.

## Custom color fronts

For other custom color fronts not pictured in this brochure, visit [www.friedrich.com](http://www.friedrich.com)

# 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 total 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.



FRIEDRICH

Friedrich Air Conditioning Co. | P.O. Box 1540 | San Antonio, TX 78295-1540 | 800.541.6645 | fax 210.357.4480  
[www.friedrich.com](http://www.friedrich.com)