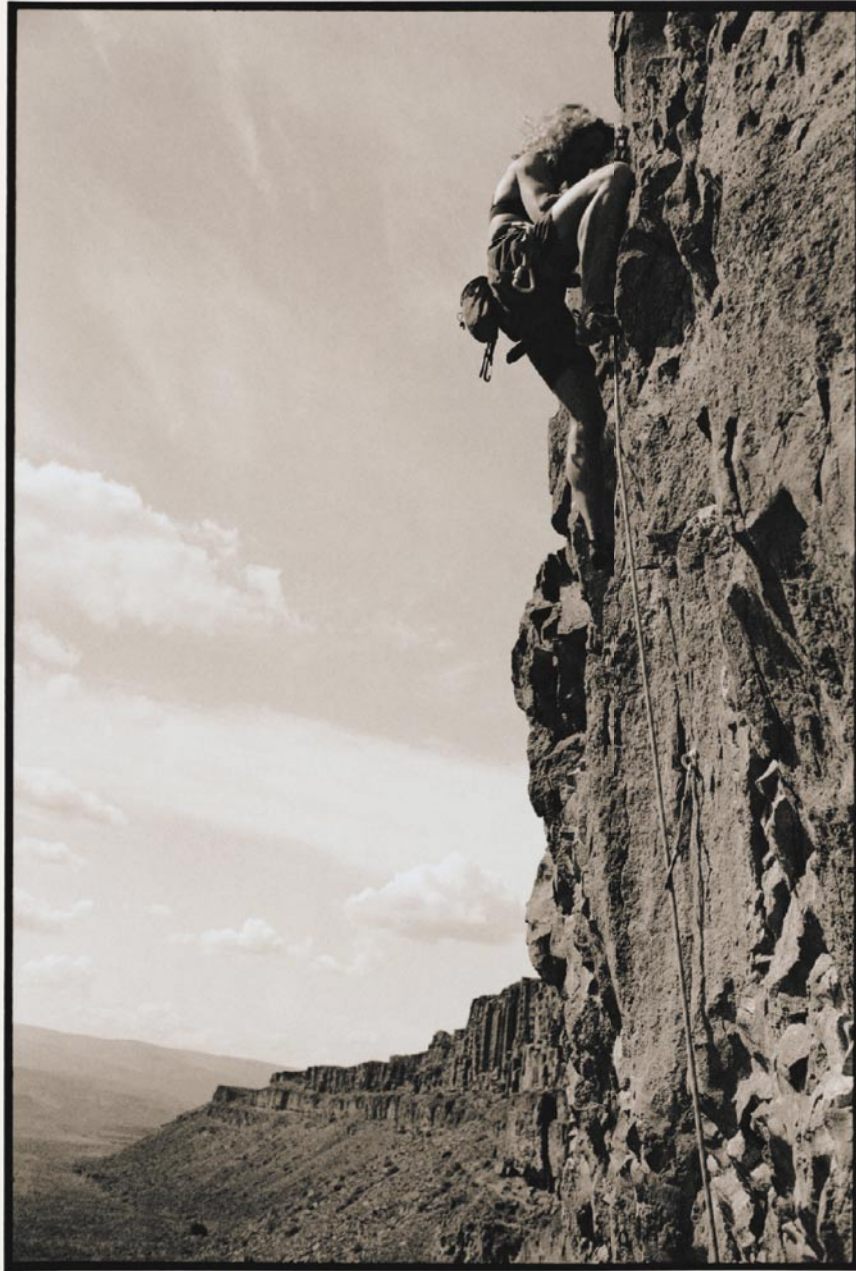


TOUGH. DURABLE. FRIEDRICH.



ROOM AIR CONDITIONERS  
2003 LINE

**Friedrich®**

EST. 1883



# TESTED FOR STRENGTH. BUILT

## FRIEDRICH IS DURABLE AND RUGGED

We have to be. We have tough customers. Oil companies rely on us to cool offshore oil rigs safely and reliably year after year in the most extreme conditions. And, Friedrich products cool military bases and government offices all over the world. Most importantly, we condition over a million homes just like yours. Tough customers. Tough products. That's Friedrich.

## INDIVIDUALLY CRAFTED USING ONLY THE HIGHEST QUALITY COMPONENTS

Friedrich air conditioners are crafted from superior components like high efficiency compressors, totally enclosed fan motors, sound-isolating extra thick rubber grommets, pure copper coils, heavy duty side curtains and durable galvanized steel. Our units also receive an automobile-quality paint job. All of these extra considerations help ensure that you



Dear Friedrich,  
 I wanted to say thank you for producing a VERY durable room air conditioner.  
 The other night, my daughter asked me to close the upper part of the window before turning on the air conditioner. It was dark, and yes, I did not turn on the light and lifted the wrong part of the window. YES, you guessed it, the air conditioner went out the second floor window and into the garden below.  
 The next day I checked the unit and it did not look too bad. I removed the cover and re-attached the power cord. When I plugged it in and turned it on... It worked perfectly... cool air was flowing.  
 My compliments to the Friedrich Company for building a sturdy and durable air conditioner. We currently have three Friedrich air conditioners and I will continue to purchase only Friedrich in the future.  
 Sincerely,  
 Michael Williamson  
 Hillsdale, NJ

## FRIEDRICH TIMELINE



Ed Friedrich goes into business, making store fixtures, billiard tables & carved cabinetry



Fire forces plant relocation  
 Friedrich enters food display case business



50th Anniversary Prosperity Tour in gold car  
 George Friedrich invents "Floating Air" revolutionizing refrigeration

Now one of the world's largest manufacturers of commercial refrigeration equipment

1883 1903

Wright Brother's First Flight



1913 1915

Ford mass produces automobiles



1923 1931

Empire State Building opens

1933



1950

# TO LAST. FRIEDRICH.

are purchasing an air conditioner that will deliver years of quiet, dependable, energy efficient operation.

## OVER 40 PRODUCTION LINE INSPECTIONS ENSURE PERFORMANCE

Every Friedrich air conditioner is put through a rigorous battery of tests and quality checks before leaving the factory. We are not satisfied with less than the best. You shouldn't be either.

## 120 YEARS OF EXCELLENCE

While many new names are entering the room air conditioner business, Friedrich has been making products of uncompromising quality since 1883. We introduced our first room air conditioner in 1952.

From that time on, Friedrich has developed a reputation for building durable, high-quality air conditioners with exceptional energy efficiencies. Friedrich was also the first to bring easy-to-use electronic controls to room air conditioners.



Friedrich is an  
**ENERGY STAR®**  
Partner



Our focus has long been on energy efficiency.

We're a charter member with the U.S. Dept. of Energy and the Environmental Protection Agency in the Energy Star® Program. Energy Star® encourages the use of energy efficient appliances to help preserve our natural resources, while saving money on utility bills.

[www.energystar.gov](http://www.energystar.gov)



First window air conditioner comes off assembly line



New headquarters opens



Friedrich adds single package vertical line of air conditioners

1952

1969 1971

1981

1995

2000 2001 2003

Neil Armstrong walks on the moon



Microsoft incorporates



25 million websites



AMERICA'S BEST AIR CONDITIONER

115 VOLT

**ELECTRONIC** portable models



ENERGY STAR®  
qualified model(s)



115 • 230/208 VOLT

**ELECTRONIC** models



ENERGY STAR®  
qualified model(s)



### XSTAR®

- 24-hour electronic timer lets you program on/off times
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Three cooling speeds, plus fan-only setting
- Smart Fan auto-adjusts fan speed to maintain desired temperature
- Eight-way air flow control
- Rust proof base pan
- Slide-out chassis
- Slide-out, easy-to-clean filter with antimicrobial treatment for protection against fungal and bacterial growth
- Auto-memory backup
- Heavy duty side curtains
- Stale air exhaust vent



Money Saver®



Slide-out Chassis



Remote Control

- 5,400 to 7,800 BTU/h
- EERs up to 11.0

### QUIETMASTER® Electronic

Programmable Cooling with the Friedrich Smart Center®

- One-touch cooling
- 24-hour programmable timer
- MoneySaver® setting saves energy by cycling fan with compressor
- Four-speed fan with ultraquiet "Sleep Setting"
- Filter alert signals you to check filter
- Smart Fan auto-adjusts fan speed to maintain desired temperature
- Super high energy efficiency for low operating cost
- Fresh air intake and stale air exhaust vents
- Easy-to-clean filter with antimicrobial treatment for protection against fungal and bacterial growth
- Auto-memory backup
- Slide-out chassis



### Easy-to-use remote control

Lets you control indoor comfort at the touch of a button



Money Saver®



Slide-out Chassis



Remote Control

*Remote control on select models*

- 8,200 to 20,200 BTU/h
- EERs up to 11.4

115 • 230/208 VOLT

**DELUXE | STANDARD** models

230/208 VOLT

**LARGE CAPACITY** models



### QUIETMASTER® Deluxe

- Ultraquiet operation
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Four cooling speeds, plus fan-only setting
- Eight-way air flow control
- Super high energy efficiency for low operating cost
- Fresh air intake and stale air exhaust vents
- Easy-to-clean filter with antimicrobial treatment for protection against fungal and bacterial growth
- Slide-out chassis



- 10,000 to 23,200 BTU/h
- EERs up to 11.1

### QUIETMASTER®

- Ultraquiet operation
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Three cooling speeds, plus fan-only setting
- Eight-way air flow control
- Super high energy efficiency for low operating cost
- Fresh air intake and stale air exhaust vents
- Easy-to-clean filter with antimicrobial treatment for protection against fungal and bacterial growth
- Slide-out chassis



- 10,000 to 23,200 BTU/h
- EERs up to 10.9

### QUIETMASTER® Heavy Duty

- Ultraquiet operation
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Three cooling speeds, plus fan-only setting
- Super high energy efficiency for low operating cost
- Slide-out chassis
- Fresh air intake and stale air exhaust vents
- Easy-to-clean filter with antimicrobial treatment for protection against fungal and bacterial growth
- Mounts in a window, wall or transom



- 24,600 to 35,000 BTU/h
- EERs up to 9.7

115 VOLT

**CASEMENT WINDOW** model

115 VOLT

**SLIDER/CASEMENT** models

**CASEMENT**

- Quiet operation
- Two-speed cooling, plus fan-only setting
- Slide-out chassis
- Easy-to-clean filter with antimicrobial treatment for protection against fungal and bacterial growth



■ 6,200 BTU/h  
■ 8.7 EER

**SLIDER CASEMENT**

- Quiet operation
- Three-speed cooling, plus two fan-only settings
- Turbo fan provides even cooling
- Easy access, washable filter



■ 8,000 to 12,000 BTU/h  
■ 9.5 EER

115 • 230/208 VOLT

**HEAT PUMP | ELECTRIC HEAT** models



TwinTemp® YQ, EQ



**TWINTEMP® YQ & EQ**

- Ultraquiet operation
- Two cooling and heating speeds, plus fan-only setting
- Eight-way air flow control
- Super high energy efficiency for low operating cost
- Slide-out chassis
- Slide-out, easy-to-clean filter with antimicrobial treatment for protection against fungal and bacterial growth

**TWINTEMP®**

- Ultraquiet operation
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Three cooling and heating speeds, plus fan-only setting
- Eight-way air flow control
- Super high energy efficiency for low operating cost
- Slide-out chassis
- Fresh air intake and stale air exhaust vents
- Easy-to-clean filter with antimicrobial treatment for protection against fungal and bacterial growth

**YQ Heat pump**

**Cool** 6,400 BTU/h  
**Heat** 5,000 BTU/h  
■ EER 9.7



Slide-out Chassis

**EQ Electric heat model**

**Cool** 8,250 BTU/h  
**Heat** 4,000 BTU/h  
■ EER 9.8

**TWINTEMP® ES, YS, EM, YM, EL & YL models**

**Cool** 9,200 to 35,000 BTU/h  
**Heat** 7,400 to 23,000 BTU/h  
■ EERs up to 11.5



Money Saver®



Slide-out Chassis

# ROOM AIR CONDITIONER SPECIFICATIONS

★ ENERGY STAR® Qualified Model	Cooling Capacity BTU/h	Heating Capacity BTU/h	Electrical Characteristics (60 Hertz)					Energy Efficiency Ratio <b>EER</b>	Moisture Removal Pints/Hr.	Room Side Air Circulation CFM	Sleeve*	Net Weight Lbs.
			Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts					
<b>XSTAR®</b>												
★ XQ05J10	5400	—	115	4.6	507	—	—	10.7	1.5	160	Q	70
★ XQ06J10	6200	—	115	5.1	564	—	—	11.0	2.0	160	Q	77
★ XQ08J10A	7800	—	115	6.6	729	—	—	10.7	1.9	175	Q	80
<b>QUIETMASTER® Electronic</b>												
★ SS08J10R	8200	—	115	6.7	745	—	—	11.0	2.0	310	S	108
★ SS09J10C	9000	—	115	7.4	837	—	—	10.8	1.7	300	S	113
★ SS10J10AR	10200	—	115	7.5	892	—	—	11.4	2.5	260	S	115
★ SS12J10AR	11750	—	115	9.8	1068	—	—	11.0	3.5	325	S	114
★ SS14J10R	14000	—	115	12.0	1308	—	—	10.7	4.3	290	S	128
★ SS12J30D	12000/11800	—	230/208	5.0/5.2	1091/1026	—	—	11.0/11.5	2.8	300	S	114
SS16J30A	16300/16000	—	230/208	7.5/8.0	1663/1634	—	—	9.8/9.8	5.0	330	S	119
SM18J30BR	18300/17800	—	230/208	8.6/9.2	1892/1828	—	—	9.7/9.7	5.7	500	M	163
★ SM20J30	20200/20000	—	230/208	9.5/9.9	2082/2000	—	—	9.7/10.0	6.1	490	M	154
<b>QUIETMASTER® Deluxe</b>												
★ RS10J10	10000	—	115	8.3	909	—	—	11.0	2.6	300	S	115
★ RS12J10A	11750	—	115	9.8	1068	—	—	11.0	3.5	325	S	114
★ RS15J10	14500	—	115	12.0	1306	—	—	11.1	4.3	290	S	128
RS16J30A	16300/16000	—	230/208	7.5/8.0	1663/1634	—	—	9.8/9.8	5.0	330	S	119
RM18J30A	18300/17800	—	230/208	8.6/9.2	1892/1828	—	—	9.7/9.7	5.7	500	M	163
★ RM24J30	23200/23000	—	230/208	11.1/12.2	2468/2447	—	—	9.4/9.4	7.0	590	M	192
<b>QUIETMASTER®</b>												
KS10J10	10000	—	115	9.1	971	—	—	10.3	2.8	325	S	108
★ KS12J10B	11500	—	115	9.4	1065	—	—	10.8	2.5	360	S	111
★ KS15J10	14500	—	115	12.0	1330	—	—	10.9	4.3	290	S	128
KS12J30B	12000/12000	—	230/208	5.4/5.9	1200/1176	—	—	10.0/10.2	3.5	325	S	106
KM18J30C	18000/17700	—	230/208	8.3/9.2	1865/1827	—	—	9.7/9.7	5.6	500	M	161
★ KM20J30	20200/20000	—	230/208	9.5/9.9	2082/2000	—	—	9.7/10.0	6.1	490	M	154
★ KM24J30	23200/23000	—	230/208	11.1/12.2	2468/2447	—	—	9.4/9.4	7.0	590	M	192
<b>QUIETMASTER® Heavy Duty</b>												
★ SL25J30	24600/24400	—	230/208	11.5/12.6	2536/2515	—	—	9.7/9.7	6.9	625	L	192
★ SL28J30B	28000/27700	—	230/208	13.0/14.2	2947/2916	—	—	9.5/9.5	8.7	650	L	201
SL35J30	35000/34800	—	230/208	18.0/20.0	4070/4047	—	—	8.6/8.6	11.0	775	L	220
<b>TWINTEMP® Heat Pump</b>												
YQ06J10B**	6400	5000	115	5.9	658	5.8	641	9.7	1.8	135	Q	78
YS09J10B**	9200	7400	115	7.3	800	6.6	718	11.5	1.7	300	S	113
YS12J33	12400/12200	11300/11000	230/208	5.2/5.6	1181/1140	5.2/5.5	1177/1122	10.5/10.7	3.5	325	S	117
YM18J34B	18000/18000	17600/17600	230/208	9.1/10.0	2000/2000	8.9/9.8	1958/1958	9.0/9.0	5.2	495	M	166
YL24J35C	24000/24000	23000/23000	230/208	10.9/12.0	2400/2400	11.0/12.1	2421/2421	10.0/10.0	6.0	600	L	198
<b>TWINTEMP® Electric Heat</b>												
EQ08J11	8250	4000	115	7.5	842	11.2	1290	9.8	2.1	160	Q	76
ES12J33B	12000/11800	10700/8900	230/208	5.0/5.2	1091/1026	16.0/14.7	3500/2900	11.0/11.5	2.8	300	S	111
ES16J33A	16300/16000	10700/8900	230/208	7.5/8.0	1663/1634	16.0/14.7	3500/2900	9.8/9.8	5.0	330	S	116
EM18J34B	18300/17800	13000/10600	230/208	8.6/9.2	1892/1828	19.5/17.0	4200/3500	9.7/9.7	5.3	500	M	160
EL25J35	24600/24400	17300/14300	230/208	11.5/12.6	2536/2515	24.0/22.4	5500/4650	9.7/9.7	6.9	650	L	191
EL35J35	35000/34800	17300/14300	230/208	18.0/20.0	4070/4047	24.0/22.4	5500/4650	8.6/8.6	11.0	775	L	220
<b>SLIDER CASEMENT</b>												
SV08A10	8000	—	115	7.7	840	—	—	9.5	2.3	247	SV	66
SV10A10	10000	—	115	9.6	1050	—	—	9.5	3.2	282	SV	77
SV12A10	12000	—	115	11.5	1260	—	—	9.5	3.4	282	SV	79
<b>CASEMENT</b>												
SC06H10D	6200	—	115	6.7	715	—	—	8.7	2.0	140	SC	70

\*Sleeve dimensions listed on following page. \*\*The YQ06 and YS09 models operate on 115 volts and are not equipped with supplemental heat. Both models will not provide heat at temperatures below 40° F. Friedrich room air conditioners are designed to operate in outdoor temperatures from 50° F to 115° F.







★ 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.

# INSTALLATION INFORMATION / SLEEVE DIMENSIONS

Sleeve	Height	Width	Depth with Front	Depth Hood to Louvers	Minimum Extension Into Room	Minimum Extension Outside	Window Width		Thru-the-wall Finished Hole	
							Minimum	Maximum	Height	Width
<b>Q</b>	14"	19 3/4"	21 3/8"	8 1/2"	5 1/2"	10 3/4"	26"	42"	14 3/4"	20"
<b>S</b>	15 15/16"	25 15/16"	27 3/8"	8 3/4"	3 1/16"	16 15/16"	27 7/8"	42"	16 3/16"	26 3/16"
<b>M</b>	17 15/16"	25 15/16"	27 3/8"	8 3/4"	3 1/16"	16 15/16"	27 7/8"	42"	18 3/16"	26 3/16"
<b>L</b>	20 3/16"	28"	33 5/8"	16 1/2"	3 3/16"	18 15/16"	29 7/8"	42"	20 3/8"	28 1/4"
<b>SC</b>	10 13/16"	14 11/16"	27"	9 7/8"	2 1/2"	15 1/2"	14 3/4"	17 7/8"	11 1/8"	14 15/16"
<b>SV</b>	20 1/2"	14 1/2"	23"	11"	5 1/4"	17 3/4"	15 1/2"	*	—	—

\*SV fits windows a minimum of 21" H and a maximum of 40 1/2" H

Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Appearance (Facing Blades)
ALL SV and XQ MODELS, KS10J10, KS12J10B, KS15J10, RS10J10, RS12J10A, RS15J10, SS08J10R, SS09J10C, SS10J10AR, SS12J10AR, SS14J10R, SC06H10D, EQ08J11, YQ06J10B, YS09J10B	125V - 15A	5 - 15P	
KS12J30B, KM18J30C, RS16J30A, RM18J30A, SS12J30D, SS16J30A, SM18J30BR	250V - 15A	6 - 15P	
KM20J30, KM24J30, SM20J30, SL25J30, SL28J30B*, ES12J33B, ES16J33A, YS12J33	250V - 20A	6 - 20P	
SL35J30, EM18J34B, EL25J35, EL35J35, YM18J34B, YL24J35C	250V - 30A	6 - 30P	

\* Optional 30 Amp Kit (618-869-00) is recommended in 208 Volt power supply areas that fall below 208 Volts. For more information, call the Friedrich Service Department.

Due to a program of continuing improvement, specifications are subject to change without notice.

## Installation Notes:

Supply Cord - All with right angle plug 6' on 115V; 5' on 230/208V.

Room air conditioners include accessories for window or thru-the-wall installation.

TWINTEMP® models include accessories for thru-the-wall installation only.

Window mounting requires use of optional accessory kit as listed below:

MODEL	KIT NO.
EQ08J11, YQ06J10B	WIKQ
ES12J33B, ES16J33A, YS09J10B, YS12J33	WIKS
EM18J34B, YM18J34B	WIKM
EL25J35, EL35J35, YL24J35C	WIKL



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.