

# Room Air Conditioners



**America's Best Air Conditioner**

Industry-leading energy efficiencies

Commercial quality design and construction

Simple to use electronics

**DESIGNED** for exceptional energy efficiency and easy-to-use convenience.

**BUILT TO LAST** for years of quiet, dependable operation



*Remote control convenience*

Cooling only/ Heat pumps / Electric heat  
5,100 to 36,000 BTU/h

**Friedrich**



**1883**  
First 'factory'

## MANY THINGS HAVE CHANGED SINCE 1883...

Since the opening of the first factory in 1883, the Friedrich name has been synonymous with quality products. Built with a spirit and pride that has been passed on generation after generation.

In 1952 we built our first room air conditioner. 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.



**1952**  
First room air conditioner



**1995**  
Programmable air conditioner



## SOME THINGS HAVEN'T CHANGED AT ALL.

Today, customers around the world know that buying a Friedrich air conditioner means you can expect exceptional energy efficiency and solid dependability. Oil companies rely on us to cool offshore oil rigs safely and reliably year after year in the most extreme conditions. Friedrich products also 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.



### We're an Energy Star® Partner

*Our focus has long been on energy efficiency. Energy Star® encourages the use of energy efficient appliances to help preserve our natural resources, while saving money on utility bills. Visit [www.energystar.gov](http://www.energystar.gov) today.*



## Room Air Conditioner Line

***Friedrich***<sup>®</sup>

## Z-Star®

### Models ZQ 05/ ZQ 07

- Two cooling speeds, plus two fan-only setting
- Four-way air flow control
- One-touch lift out filter
- Fixed chassis
- Quick-mount window installation

## Z-Star®

### Models ZQ 08/ ZQ 10

- Three-speeds, plus two fan-only speeds
- Four-way air flow control
- One-touch lift out filter
- Quick-mount window installation
- Stale air exhaust
- Slide-out chassis

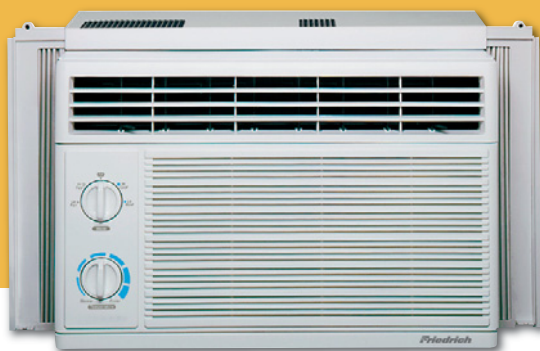
Product appearance may vary



**Slide-out Chassis**

Product appearance may vary

**EASY-TO-INSTALL  
MODELS with  
MECHANICAL  
CONTROLS**



5,100 / 6,500 BTU/h  
EER 9.7



7,800/ 10,000 BTU/h  
EERs up to 9.8

## CP05/ CP06

Programmable Cooling with convenient remote control

- 12-hour electronic timer lets you program on/off times
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Three cooling speeds, plus three fan-only settings
- Four-way air flow control
- Fixed chassis
- One-touch lift out filter
- Auto-restart



Remote Control



Money Saver®

Product appearance may vary

## CP08/ CP10/ CP12

Programmable Cooling with convenient remote control

- 12-hour electronic timer lets you program on/off times
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Three cooling speeds, plus three fan-only settings
- Four-way air flow control
- Slide-out chassis
- One-touch lift out filter
- Auto-restart
- Stale air exhaust vent



Remote Control



Money Saver®



Slide-out Chassis

Product appearance may vary

EASY-TO-USE PROGRAMMABLE MODELS with REMOTE CONTROL



5,100/ 5,600 BTU/h  
EERs up to 10.8



7,800/ 10,000/ 12,000 BTU/h  
EERs 10.8





**PROGRAMMABLE models**

- 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
- 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



**Programmable Cooling with the Friedrich Smart Center®**

- One-touch cooling
- 24-hour programmable timer
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Four-speed fan with "Sleep Setting"
- Check filter reminder
- 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 PROGRAMMABLE MODELS with REMOTE CONTROL**



5,500 to 11,700 BTU/h  
EERs up to 11.5

**EASY-TO-USE PROGRAMMABLE MODELS with REMOTE CONTROL**



8,400 to 20,600 BTU/h  
EERs up to 12.0

## QuietMaster®

- 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

## 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

## QuietMaster®

### HEAVY DUTY models

- 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



Money Saver®



Slide-out Chassis



ANTIMICROBIAL  
FILTER



Money Saver®



Slide-out Chassis



ANTIMICROBIAL  
FILTER



Money Saver®



Slide-out Chassis



ANTIMICROBIAL  
FILTER

HIGH EFFICIENCY COOLING  
MODELS with  
MECHANICAL  
CONTROLS



10,000 to 23,500 BTU/h  
EERs up to 11.5

10,200 to 23,500 BTU/h  
EERs up to 11.8

24,600 to 36,000 BTU/h  
EERs up to 9.7

CASEMENT WINDOW model



- 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 models

- Quiet operation
- Three-speed cooling, plus two fan-only settings
- Turbo fan provides even cooling
- Easy access, washable filter
- Quick-mount window installation
- Stale air exhaust

8,000 to 11,500 BTU/h  
9.5 EER



Product appearance may vary

115 • 230/208 VOLT / HEAT PUMP & ELECTRIC HEAT models

**Twintemp**

EQ & YQ PORTABLES

- 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

ES, YS, EM, YM, EL & YL MODELS

- 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

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

9,200 to 36,000 BTU/h  
7,400 to 22,000 BTU/h  
EERs up to 12.0



YQ Heat pump

7,200 BTU/h  
6,000 BTU/h  
EER 9.5



EQ Electric heat model

7,700 BTU/h  
4,000 BTU/h  
EER 10.5



YEAR 'ROUND COMFORT  
HEAT PUMP & ELECTRIC HEAT  
MODELS



Twintemp YQ, EQ





# Room Air Conditioners SPECIFICATIONS

## Cooling only Model Specifications

★ ENERGY STAR® Qualified Model	Cooling Capacity BTU/h	Heating Capacity BTU/h	Electrical Characteristics (60 Hertz)					Energy Efficiency Ratio EER	Moisture Removal Pints/Hr.	Room Side Air Circulation CFM	Sleeve* Sleeve*	Net Weight Lbs.
			Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts					
<b>XSTAR</b>												
★ XQ05L10	5500	—	115	5.0	500	—	—	11.0	1.2	200	Q	70
★ XQ06L10	6300	—	115	4.9	548	—	—	11.5	1.4	175	Q	77
★ XQ08L10	8000	—	115	6.8	741	—	—	10.8	1.9	175	Q	80
XQ10L10	10000	—	115	9.0	1000	—	—	10.0	3.2	180	Q	76
XQ12L10	11700	—	115	11.0	1198	—	—	9.8	3.2	180	Q	76
<b>ZSTAR</b>												
ZQ05B10	5100	—	115	5.0	540	—	—	9.7	1.3	135	P1	44
ZQ07B10	6500	—	115	6.1	670	—	—	9.7	1.6	169	P1	48
ZQ08B10	7800	—	115	7.6	800	—	—	9.7	2.3	210	P3	64
ZQ10B10	10000	—	115	9.2	1020	—	—	9.8	3.0	240	P3	70
<b>CP</b>												
★ CP05A10	5100	—	115	4.4	470	—	—	10.8	1.3	135	P2	49
★ CP06A10	5600	—	115	4.8	520	—	—	10.7	1.5	160	P2	49
★ CP08A10	7800	—	115	6.6	730	—	—	10.8	2.2	210	P3	62
★ CP10A10	10000	—	115	8.5	930	—	—	10.8	2.7	250	P4	79
★ CP12A10	12000	—	115	10.2	1110	—	—	10.8	3.2	311	P4	79
<b>QUIETMASTER Programmable</b>												
★ SS08L10	8400	—	115	6.6	737	—	—	11.4	1.6	265	S	108
★ SS09L10	9100	—	115	7.2	791	—	—	11.5	1.8	265	S	113
★ SS10L10	10400	—	115	7.5	867	—	—	12.0	2.5	260	S	115
★ SS12L10	11800	—	115	9.0	1000	—	—	11.8	2.5	350	S	114
★ SS14L10	14000	—	115	12.0	1305	—	—	10.7	3.5	377	S	128
★ SS12L30	12100/11900	—	230/208	4.8/5.0	1052/1017	—	—	11.5/11.7	2.9	320	S	114
SS16L30	16200/15900	—	230/208	7.4/8.0	1653/1656	—	—	9.8/9.6	4.7	360	S	119
★ SM18L30	17800/17600	—	230/208	7.3/8.0	1618/1600	—	—	11.0/11.0	4.5	400	M	163
★ SM21L30	20600/20200	—	230/208	9.4/10.1	2081/2020	—	—	9.9/10.0	6.0	425	M	154
<b>QUIETMASTER Deluxe</b>												
★ RS10L10	10200	—	115	8.0	872	—	—	11.7	2.5	260	S	115
★ RS12L10	11800	—	115	9.0	1000	—	—	11.8	2.5	350	S	114
★ RS15L10	14500	—	115	12.2	1343	—	—	10.8	3.5	377	S	128
RS16L30	16200/15900	—	230/208	7.4/8.0	1653/1656	—	—	9.8/9.6	4.7	360	S	119
RM18L30	17800/17600	—	230/208	8.1/8.8	1780/1760	—	—	10.0/10.0	4.4	400	M	163
★ RM24L30	23500/23000	—	230/208	11.2/12.1	2479/2421	—	—	9.5/9.5	7.0	490	M	154
<b>QUIETMASTER</b>												
★ KS10L10	10000	—	115	8.0	870	—	—	11.5	2.5	260	S	115
★ KS12L10	11600	—	115	9.0	1055	—	—	11.0	2.1	356	S	114
★ KS15L10	14500	—	115	12.2	1343	—	—	10.8	3.5	377	S	128
KS12L30	12200/12000	—	230/208	5.4/5.8	1220/1176	—	—	10.0/10.2	3.5	325	S	106
KM18L30	17800/17600	—	230/208	8.1/8.8	1780/1760	—	—	10.0/10.0	4.4	400	M	161
★ KM21L30	20600/20200	—	230/208	9.4/10.1	2081/2020	—	—	9.9/10.0	6.0	425	M	154
★ KM24L30	23500/23000	—	230/208	11.2/12.1	2479/2421	—	—	9.5/9.5	7.0	490	M	154
<b>QUIETMASTER Heavy Duty models</b>												
★ SL25L30	24600/24400	—	230/208	11.5/12.6	2536/2515	—	—	9.7/9.7	6.8	560	L	181
★ SL28L30	28000/27700	—	230/208	13.0/14.2	2947/2916	—	—	9.5/9.5	8.8	600	L	201
SL36L30	36000/35700	—	230/208	18.0/19.6	3913/3880	—	—	9.2/9.2	11.0	725	L	220
<b>SLIDER CASEMENT</b>												
SV08A10A	8000	—	115	7.8	840	—	—	9.5	2.0	265	SV	66
SV10A10A	10000	—	115	9.6	1050	—	—	9.5	2.9	290	SV	77
SV12A10A	11500	—	115	11.2	1210	—	—	9.5	3.8	290	SV	79
<b>CASEMENT</b>												
SC06H10D	6200	—	115	6.7	713	—	—	8.7	2.0	140	SC	70

\* Sleeve dimensions listed on following page. 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.

# Room Air Conditioners SPECIFICATIONS

## Heat Cool Models

Model	Cooling Capacity BTU/h	Heating Capacity BTU/h	Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts	Energy Efficiency Ratio EER	Moisture Removal Pints/Hr.	Room Side Air Circulation CFM	Sleeve*	Net Weight Lbs.
<b>★ ENERGY STAR® Qualified</b>												
<b>TWINTEMP Heat Pump</b>												
YQ07L10**	7200	6000	115	6.8	758	5.9	667	9.5	1.4	175	Q	78
YS09L10**	9200	7400	115	7.4	767	6.9	733	12.0	1.7	300	S	113
YS13L33	12700/12500	11000/10500	230/208	5.1/5.6	1149/1131	5.3/5.8	1185/1167	11.0/11.0	3.5	325	S	117
YM18L34	18000/18000	16800/16400	230/208	8.5/9.5	1895/1895	8.5/9.0	1867/1822	9.5/9.5	4.7	400	M	166
YL24L35	24000/24000	22000/21600	230/208	10.9/12.0	2400/2400	11.0/12.0	2444/2400	10.0/10.0	7.0	600	L	198
<b>TWINTEMP Electric Heat</b>												
EQ08L11	7700	4000	115	6.5	733	11.2	1290	10.5	1.9	175	Q	76
ES12L33	12100/11900	10700/8900	230/208	4.8/5.0	1052/1017	16.0/14.7	3500/2900	11.5/11.7	2.9	320	S	111
ES16L33	16200/15900	10700/8900	230/208	7.4/8.0	1653/1656	16.0/14.7	3500/2900	9.8/9.6	4.7	360	S	116
EM18L34	17800/17600	13000/10600	230/208	8.1/8.8	1780/1760	19.5/17.0	4200/3500	10.0/10.0	4.4	400	M	160
EL25L35	24600/24400	17300/14300	230/208	11.5/12.6	2536/2515	24.0/22.4	5500/4650	9.7/9.7	6.8	560	L	180
EL36L35	36000/35700	17300/14300	230/208	18.0/19.6	3913/3880	24.0/22.4	5500/4650	9.2/9.2	11.0	725	L	220

\* Sleeve dimensions listed below. \*\* The YQ07 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
Q	14"	19 3/4"	21 3/8"	8 1/2"	5 1/2"	10 3/4"	26"	42"	14 3/4"	20"
P1	12 9/32"	18 9/16"	14 31/32"	—	—	—	—	—	—	—
P2	12 9/32"	18 9/16"	14 9/16"	6"	4"	9"	22"	36"	—	—
P3	13 29/32"	20 3/32"	19 3/8"	—	—	—	—	—	—	—
P4	14 31/32"	23 5/8"	22 1/16"	—	—	—	—	—	—	—
S	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"
M	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"
L	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"
SC	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"
SV	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

## Circuit Rating/ Breaker

Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Appearance (Facing Blades)
ALL SV, CP, XQ and ZQ MODELS, KS10L10, KS12L10, KS15L10, RS10L10, RS12L10, RS15L10, SS08L10, SS09L10, SS10L10, SS12L10, SS14L10, SC06H10D, EQ08L11, YQ07L10, YS09L10	125V - 15A	5 - 15P	
KS12L30, KM18L30, KM21L30, RS16L30, RM18L30, SS12L30, SS16L30, SM18L30, SM21L30	250V - 15A	6 - 15P	
KM24L30, RM24L30, SL25L30, SL28L30*, ES12L33, ES16L33, YS13L33	250V - 20A	6 - 20P	
SL36L30, EM18L34, EL25L35, EL36L35, YM18L34, YL24L35	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 (7' on XSTAR models); 5' on all 230/208V.  
Room air conditioners include accessories for window or thru-the-wall installation.

## Window Mounting Kits

TWINTEMP® models include accessories for thru-the-wall installation only.  
Window mounting requires use of optional accessory kit as listed below

MODEL	KIT NO.
EQ08L11, YQ07L10	WIKQ
ES12L33, ES16L33, YS09L10, YS13L33	WIKS
EM18L34, YM18L34	WIKM
EL25L35, EL36L35, YL24L35	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.



# Innovative Products

Known worldwide for quality and dependability

As a leading specialty manufacturer, we focus exclusively on manufacturing innovative air-treatment products that exceed the rigorous standards of a highly-competitive marketplace.

In over 160 countries around the world— in hotels and motels, commercial buildings and residential applications— Friedrich products provide unparalleled comfort, convenience and value.

