

Room Air Conditioners

Cooling only / Heat pumps / Electric heat models

Leading the Industry in Energy Efficiency

AMERICA'S BEST AIR CONDITIONER



Made in USA

Friedrich

friedrich.com

Friedrich has the most ENERGYSTAR® qualified models of any American room air conditioner manufacturer



Our focus has long been on energy efficiency. We're a charter partner 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.

We've been building a reputation for quality since 1883.

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 quiet, dependable performance and exceptional energy efficiencies.

Sophisticated products that are simple to use.

Friedrich was the first to bring easy-to-use electronic controls to room air conditioners. Our programmable air conditioners have sophisticated electronics, yet they can be operated with a single touch.

Other premium features include multiple fan speeds, the MoneySaver® option, and a slide-out chassis for easy installation and service. All Friedrich air conditioners have super high or high efficiency compressors, auto-quality paint finishes and long-life, totally-enclosed fan motors.

Friedrich quality keeps you comfortable for years to come.

With Friedrich, you can enjoy a cool retreat on a hot summer day... or a warm cozy one on a cold winter night. But you get much more than that. You'll enjoy the convenience provided by a well-designed product. And over time, you'll gain confidence in a well-made product. It's what makes Friedrich stand out from other air conditioners.

STAYING COOL HAS NEVER BEEN EASIER



Friedrich was the first to introduce easy-to-use electronic controls. We now offer several models with remote control.

Friedrich®



Made in USA



a quality product starts with the best components

high and super high efficiency compressors / totally-enclosed fan motors / galvanized steel cabinets with auto-quality paint finish / slide-out chassis

cooling only models

115 VOLT

XSTAR®

5,400 to 8,250 BTU/h

■ EERs up to 11.0



Remote control
comes standard
on all models

QSTAR®

5,400 to 8,250 BTU/h

■ EERs up to 11.0



KSTAR®

5,000 to 8,250 BTU/h

■ EERs up to 10.1



XSTAR®

- 24-hour electronic timer lets you program on/off times
- MoneySaver® option 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 electrostatic filter
- Heavy duty side curtains
- Stale air exhaust vent

QSTAR®

- MoneySaver® option saves energy by cycling the fan with the compressor
- Three cooling speeds, plus fan-only setting
- Eight-way air flow control
- Rust proof base pan
- Slide-out chassis
- Slide-out, easy-to-clean electrostatic filter
- Heavy duty side curtains
- Stale air exhaust vent

KSTAR®

- Two cooling speeds, and two fan-only settings
- Eight-way air flow control
- Slide-out chassis
- Rust proof base pan
- Slide-out, easy-to-clean electrostatic filter
- Heavy duty side curtains

QUIETMASTER® Electronic

8,200 to 21,000 BTU/h

■ EERs up to 11.7



Remote control
on select models

QUIETMASTER® Deluxe

10,000 to 19,300 BTU/h

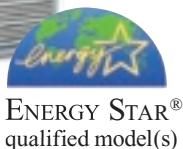
■ EERs up to 11.0



QUIETMASTER®

10,000 to 25,000 BTU/h

■ EERs up to 10.7



QUIETMASTER® Electronic

Programmable Cooling with the
Friedrich Smart Center®

- One-touch cooling
- 24-hour programmable timer
- MoneySaver® option saves energy
by cycling fan with compressor
- Four-speed fan with ultraquiet
"Sleep Setting"
- Filter alert signals you to clean 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
- Washable filter with germicidal
treatment
- Auto-memory backup
- Slide-out chassis

QUIETMASTER® Deluxe AND QUIETMASTER®

- Ultraquiet operation
- MoneySaver® option 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
- Washable filter with germicidal
treatment
- Slide-out chassis

* Three-speed fan is featured on all
QUIETMASTER® products



230/208 VOLT

cooling only models

QUIETMASTER® Heavy Duty

- Ultraquiet operation
- MoneySaver® option 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
- Washable filter with germicidal treatment
- Mounts in a window, wall or transom

115 VOLT

CASEMENT

- Quiet operation
- Two-speed cooling, plus fan-only setting
- Slide-out chassis
- Washable filter with germicidal treatment

115 • 230/208 VOLT

TWINTEMP®

- Ultraquiet operation
- MoneySaver® option* 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*
- Washable filter with germicidal treatment*

* Features not available on TWINTEMP® models YQ06J10A and EQ08J11

QUIETMASTER® Heavy Duty

24,500 to 35,000 BTU/h

EERs up to 9.5



the **largest** capacity room air conditioner of any manufacturer (35,000 BTU/h)

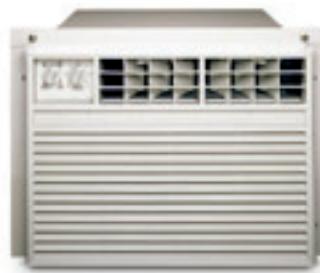


ENERGY STAR® qualified model(s)

CASEMENT Window Air Conditioner

6,200 BTU/h

EER 8.7



heat and cool models

TWINTEMP® Heat pumps/ electric heat models

cool 6,200 to 35,000 BTU/h

heat 4,000 to 23,000 BTU/h

EERs up to 11.5



YQ Heat pump

cool 6,200 BTU/h

heat 5,300 BTU/h

EER 10.0

EQ Electric heat model

cool 8,250 BTU/h

heat 4,000 BTU/h

EER 9.8

WALLMASTER® Thru-the-Wall Air Conditioner**cool** 7,400 to 14,700 BTU/h**heat** 8,200 to 11,000 BTU/h

■ EERs up to 9.6



the **largest** capacity
thru-the-wall unit of any
manufacturer (14,700 BTU/h)

Perfect Choice

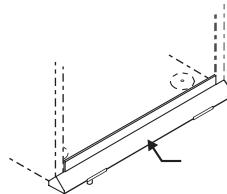
WALLMASTER® thru-the-wall is ideal for new construction, retrofits and residential remodeling. This unit offers ultraquiet operation, dependable performance and the highest energy efficiency ratings. The contemporary style and natural color compliment any decor. WALLMASTER® thru-the-wall is an exact fit for Fedders sleeves, measuring 27" W x 16 3/4" H.

Superior Construction

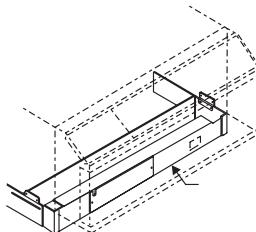
Interior noise and vibrations are virtually eliminated by the extensive sound insulation. The smooth power of its rotary compressor reduces operating noise with increased efficiency. The larger blower wheel and condenser fan allow for greater movement of air at lower speeds. Standard grilles are painted, stamped, galvanized sheet metal for superior durability.

WALLMASTER® Accessories

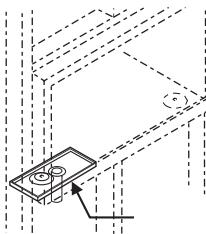
DK / Drain Kit Installed at the back of the unit and allows for attachment to permanent condensate disposal system, if disposal is necessary or desired.



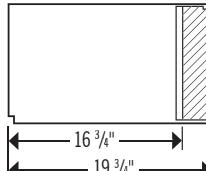
SB / Sub Base Used as a base for the unit when it is desired to place the cord and receptacle within the installation, or simply as a base for the unit when mounted low in the wall



IDK / Internal Drain Kit Designed for new construction applications. Normal use would be with reverse cycle units that are to be drained within the wall structure, where a condensate drain system has been built into the wall interior.



BAK / Baffle Adapter Kit Necessary when installing in a sleeve deeper than 16 3/4".

**WALLMASTER®**

- Residential/ commercial application
- The most energy efficient solid-side air conditioners
- Exact fit for Fedders sleeves. Measures 27" W x 16 3/4" H
- Ultraquiet operation
- Three-speed fan
- Mounts flush with exterior wall
- Magna 1 copper coils
- Efficient rotary compressor
- Easy-to-reach, top mount controls
- Washable filter with germicidal treatment

**WSC Sleeve****Standard Grille****Standard Weather Panel**
(Not pictured)**Optional
Architectural Grille**

Important Note: Thru-the-wall chassis and sleeves are sold and shipped separately to accommodate new construction and replacement requirements.

Room Air Conditioner 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*	Net Weight Lbs.
Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts										
XSTAR®														
★ 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
XQ07J10	7100	—	115	6.5	689	—	—	—	—	10.3	2.5	145	Q	80
XQ08J10	8250	—	115	7.5	842	—	—	—	—	9.8	2.5	165	Q	80
QSTAR®														
★ SQ05J10B	5400	—	115	4.6	507	—	—	—	—	10.7	1.5	160	Q	70
★ SQ06J10B	6200	—	115	5.1	564	—	—	—	—	11.0	2.0	160	Q	77
SQ08J10C	8250	—	115	7.5	842	—	—	—	—	9.8	2.5	165	Q	80
KSTAR®														
KQ05J10B	5000	—	115	4.7	516	—	—	—	—	9.7	1.5	165	Q	76
KQ06J10B	6000	—	115	5.4	592	—	—	—	—	10.1	2.0	165	Q	76
KQ08J10B	8250	—	115	7.5	842	—	—	—	—	9.8	2.5	165	Q	79
QUIETMASTER® Electronic														
★ 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
★ SM14J10R	14000	—	115	12.0	1308	—	—	—	—	10.7	3.7	400	M	128
★ SS12J30B	12000/12000	—	230/208	5.5/5.7	1143/1091	—	—	—	—	10.5/11.0	3.5	325	S	114
SS16J30A	16300/16000	—	230/208	7.5/8.0	1663/1634	—	—	—	—	9.8/9.8	5.0	330	S	119
SM19J30R	19300/19000	—	230/208	8.9/9.6	1972/1926	—	—	—	—	9.8/9.9	5.7	425	M	163
SM21J30B	21000/20500	—	230/208	10.6/11.4	2333/2278	—	—	—	—	9.0/9.0	7.0	440	M	154
QUIETMASTER® Deluxe														
★ 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
★ RM14J10A	14100	—	115	12.0	1318	—	—	—	—	10.7	3.0	410	M	128
RS16J30A	16300/16000	—	230/208	7.5/8.0	1663/1634	—	—	—	—	9.8/9.8	5.0	330	S	119
RM19J30	19300/19000	—	230/208	8.9/9.6	1972/1926	—	—	—	—	9.8/9.9	5.7	425	M	163
QUIETMASTER®														
★ 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
★ KM14J10B	14100	—	115	12.0	1318	—	—	—	—	10.7	3.7	400	M	128
KS12J30B	12000/12000	—	230/208	5.4/5.9	1200/1176	—	—	—	—	10.0/10.2	3.5	325	S	106
KM18J30B	17600/17300	—	230/208	8.2/8.7	1820/1760	—	—	—	—	9.7/9.8	5.5	440	M	161
KM21J30	20500/20500	—	230/208	10.3/11.4	2278/2278	—	—	—	—	9.0/9.0	7.0	440	M	154
KL25J30A	25000/25000	—	230/208	12.3/13.6	2778/2778	—	—	—	—	9.0/9.0	7.7	560	L	192
QUIETMASTER® Heavy Duty														
★ SL24J30A	24500/24500	—	230/208	11.9/13.0	2579/2606	—	—	—	—	9.5/9.4	7.7	560	L	192
SL28J30A	28000/28000	—	230/208	14.0/15.3	3117/3097	—	—	—	—	9.0/9.0	8.8	600	L	201
SL35J30	35000/34800	—	230/208	18.0/20.0	4070/4047	—	—	—	—	8.6/8.6	11.0	700	L	220
TWINTEMP® Heat Pump														
YQ06J10A**	6200	5300	115	5.7	620	6.2	615	—	—	10.0	2.0	140	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	425	M	166
YL24J35A	24000/23800	23000/22800	230/208	12.0/13.0	2667/2644	10.4/11.5	2347/2327	—	—	9.0/9.0	7.0	600	L	198
TWINTEMP® Electric Heat														
EQ08J11	8250	4000	115	7.5	842	11.2	1290	—	—	9.8	2.1	160	Q	76
ES12J33	12000/12000	10700/8900	230/208	5.5/5.7	1143/1091	16.0/14.7	3500/2900	—	—	10.5/11.0	3.5	325	S	111
EK12J33B	12000/12000	10700/8900	230/208	5.4/5.9	1200/1176	16.0/14.7	3500/2900	—	—	10.0/10.2	3.5	325	S	108
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
EM19J34	19300/19000	13000/10600	230/208	8.9/9.6	1972/1926	19.5/17.0	4200/3500	—	—	9.8/9.9	5.7	425	M	160
EK18J34B	17600/17300	13000/10600	230/208	8.2/8.7	1820/1760	19.5/17.0	4200/3500	—	—	9.7/9.8	5.5	440	M	158
EL24J35A	24500/24500	17300/14300	230/208	11.9/13.0	2579/2606	24.0/22.4	5500/4650	—	—	9.5/9.4	7.7	560	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	700	L	220
CASEMENT														
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.

WallMaster® Thru-the-wall Specifications

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	Sleeves*	Net Weight Lbs.
			Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts					
WS07A10E	7400	—	115	7.0	773	—	—	9.6	1.4	260	WSC	93
WS10A10	10000	—	115	9.8	1081	—	—	9.2	2.1	260	WSC	103
WS12A10E	12200	—	115	11.9	1304	—	—	9.4	2.9	290	WSC	112
WS09A30E	9400/9200	—	230/208	4.4/4.7	989/958	—	—	9.5/9.6	2.1	260	WSC	101
WS12A30E	12000/11800	—	230/208	6.0/6.5	1333/1310	—	—	9.0/9.0	2.9	290	WSC	109
WS15A30	14700/14500	—	230/208	7.7/8.5	1693/1686	—	—	8.7/8.6	4.0	250	WSC	119
WE09A33E	9400/9200	11000/9100	230/208	4.4/4.7	989/958	16.0/14.7	3550/2950	9.5/9.6	2.1	260	WSC	103
WE12A33E	12000/11800	11000/9100	230/208	6.0/6.5	1333/1310	16.0/14.7	3550/2950	9.0/9.0	2.9	290	WSC	111
WE15A33	14700/14500	11000/9100	230/208	7.7/8.5	1693/1686	16.0/14.7	3550/2950	8.7/8.6	4.0	250	WSC	121
WY09A33E	9000/8800	8200/8200	230/208	4.5/4.8	1000/980	4.1/4.2	870/840	9.0/9.0	2.1	270	WSC	107
WY12A33F	11300/10900	10800/10500	230/208	5.8/6.2	1315/1280	5.4/5.7	1200/1165	8.6/8.5	2.9	290	WSC	116

Calculate the heat loss of the space to be heated. As long as the heat loss does not exceed the resistance heating capacity rating of the unit, the heating performance will be satisfactory.

Change-over from heat pump operation to resistance operation on models indicated is automatic at a preset outside ambient temperature of approximately 35°F.

If condensate disposal is desired, an optional drain kit is available.

* Sleeve dimensions listed in chart below. WallMaster chassis and sleeve sold and shipped separately.

DEFROST CONTROL: Initiated at 20°F (outdoor coil temperature) and terminated at 43°F (outdoor coil temperature). During defrost, the compressor stops and the electric heat starts, then operates with the fan to maintain indoor comfort. Below 43°F, the unit remains in electric heat mode. During electric heat mode, the unit will achieve the following ratings: 11000/9100 BTU/h, 16.0/14.7 amps, and 3550/2950 watts.

DEFROST DRAIN: Drain automatically opens at approximately 50°F in outdoor base pan for defrost condensate disposal.

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 Height	Thru-the-wall Finished Hole Width
							Minimum	Maximum		
Q	14"	19 3/4"	21 3/8"	8 1/2"	5 1/2"	10 3/4"	26"	42"	14 3/4"	20"
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"
WSC	16 3/4"	27"	23"	—	7 1/2"	9/16"	—	—	17 1/4"	27 1/4"

*Maximum height

Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Appearance (Facing Blades)
ALL KQ, SQ, and XQ MODELS, KS10J10, KS12J10B, KM14J10B, RS10J10, RS12J10A, RM14J10A, SS08J10R, SS09J10C, SS10J10AR, SS12J10AR, SM14J10R, SC06H10D, EQ08J11, YQ06J10A, YS09J10B, WS07A10E, WS10A10, WS12A10E	125V - 15A	5 - 15P	
KS12J30B, KM18J30B, RS16J30A, RM19J30, SS12J30B, SS16J30A, SM19J30R, WS09A30E, WS12A30E, WS15A30	250V - 15A	6 - 15P	
KM21J30, KL25J30A, SM21J30B, SL24J30A, SL28J30A*ES12J33, EK12J33B, ES16J33A, YS12J33, WE09A33E, WE12A33E, WE15A33, WY09A33E, WY12A33F	250V - 20A	6 - 20P	
SL35J30, EM19J34, EK18J34B, EL24J35A, EL35J35, YM18J34B, YL24J35A	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. Window mounting requires use of optional accessory kit as listed below:

MODEL	KIT NO.
EQ08J11, YQ06J10A	WIKQ
ES12J33, ES16J33A, EK12J33B, YS09J10B, YS12J33	WIKS
EM19J34, EK18J34B, YM18J34B	WIKM
EL24J35A, EL35J35, YL24J35A	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.



Friedrich®