



ROOM AIR CONDITIONERS

COOL ONLY | HEAT PUMPS | ELECTRIC HEAT



Friedrich

Built for the most demanding applications.



built tough

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.

ALUMINUM REAR GRILLE

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



SOLID SLEEVE TOP*

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

FAN MOTOR

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

- prevents unit from overheating
- contributes to longer life

Totally enclosed for maximum protection and longer life.



ALUMINUM ENDPLATES

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

Rust can run down the sides of buildings creating an unsightly exterior that is expensive to repair. Significantly extends life of unit.



quiet by design

QUIET AS A GENTLE RAIN

QuietMaster model has a Decibel rating of 48, which is less than the sound of rainfall (50 db). *SS10 sound power rating on low fan speed.*

EXTRA THICK RUBBER GROMMETS

Absorbs motion and sound to reduce unwanted noise.



VIBRATION ISOLATOR

Vibration and noise isolating technology.

PROTECTIVE MOTOR MOUNT

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

ADVANCED AIRFLOW TECHNOLOGY

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

BLOWER WHEEL HOUSING

Solid steel for maximum sound reduction.

SCIENTIFIC REFRIGERATION DESIGN

Better design for quieter performance.

HEAVY DUTY SIDE CURTAINS

Or solid masonite side wings block outside noise and light.



INSULATED PLENUM

Insulated plenum helps keep outside noise outside.



QUALITY

Residential grade products may differ.

Commercial grade for my home?

Absolutely! While our commercial grade line is tough enough for industrial use, our engineers designed Friedrich air conditioners with your family's comfort and convenience in mind.

Yes, we use top quality components.

Yes, they are ultra energy efficient.

Yes, they are built to stand the test of time.

But, we think your family is worth it.



leading energy efficiency

SAVE UP TO \$747**

You can save hundreds of dollars in operating costs compared to less efficient units. The ten year savings of model EM24L34, 9.5 EER is \$747

HIGH EFFICIENCY COMPRESSORS

Quiet, smooth power and energy efficient compressors are at the heart of every Friedrich unit.



MONEYSAVER MODE***

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

HIGH-TECH FINS

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



RIFLED COPPER TUBING

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

UNIQUE COMFORTWATCH TECHNOLOGY

Friedrich models maintain an even room temperature through advanced technology that more accurately anticipates room temperature fluctuations. Other brands may be fooled into shutting off prematurely when the unit's internal temperature sensor is cold, even if the room has not reached the desired temperature.

*Styled for
the most
discriminating
customers*



Residential grade products may differ.

Friedrich

*Model XQ12 has top louvers.

** Compared to a model with 8.5 EER, operated 2200 hours per year for ten years at 10.8 c/kw hour.

***Not available on model EQ08.

Built to last. Trusted for generations.



First Friedrich air conditioner 1952

FOR GENERATIONS, families have trusted Friedrich to build products of lasting quality. Quality that has won awards time and again.

Today we build that trust into the next generation of products. Smart, programmable models that are easy to use, provide fast, powerful cooling and achieve exceptional energy efficiency.



Do you need a rugged, dependable unit that can take heavy commercial use?

Or do you just want the very best air conditioner for your home and family?

Either way, there's a Friedrich that's just right for you.



precise temperature control
remote control convenience.

comfort tips

Want to reduce your energy costs and stay nice and cool?

Select the 'MONEY SAVER' setting to run the fan *only* when the compressor is running.

Select the 'SMART FAN' setting and your Friedrich will automatically adjust the fan speed to deliver a constant, comfortable temperature in any environment.



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.

COMMERCIAL GRADE Programmable models



ONE TOUCH OPERATION	REMOTE CONTROL	24 HR. TIMER	MONEY SAVER FEATURE	SMART FAN	ANTIMICROBIAL FILTER	SLIDE-OUT CHASSIS
✓	✓	✓	✓	✓	✓	✓

COMPACT SIZE FOR EASIER REMOVAL AND STORAGE

DIGITAL CONTROL FEATURES

- 24-hour timer lets you program on/off times
- 3 cooling speeds, plus fan-only setting
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Smart Fan adjusts fan speed to maintain desired temperature
- Unique Comfortwatch technology
- Memory backup saves settings if power is interrupted

DELUXE FEATURES

- Ultraquiet operation
- 8-way air flow control
- Slide-out chassis for more permanent window or wall installation
- Washable, antimicrobial filter for protection against fungal and bacterial growth
- Heavy duty side curtains reduce exterior noise/ light
- Rust proof base pan

FITS WINDOWS– MINIMUM: 26" WIDE. MAXIMUM: 42" WIDE



THE INDUSTRY'S SMALLEST SLIDE-OUT CHASSIS- MODEL XQ05



Three ENERGYSTAR® models

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



ONE TOUCH OPERATION	REMOTE CONTROL	24 HR. TIMER	MONEY SAVER FEATURE	SMART FAN	ANTIMICROBIAL FILTER	SLIDE-OUT CHASSIS
✓	✓	✓	✓	✓	✓	✓

FULL SIZE FOR MORE PERMANENT INSTALLATION

DIGITAL CONTROL FEATURES

- 24-hour timer lets you program on/off times
- 4-speed fan with ultraquiet "Sleep Setting"
- Smart Fan adjusts fan speed to maintain desired temperature
- Unique Comfortwatch technology
- MoneySaver® setting saves energy by cycling the fan with the compressor
- Memory backup saves settings if power is interrupted
- Check filter reminder light

DELUXE FEATURES

- Ultraquiet operation
- 8-way air flow control
- Fresh air intake/ stale air exhaust vents
- Washable, antimicrobial filter for protection against fungal and bacterial growth
- Slide-out chassis for more permanent window or wall installation

FITS WINDOWS– MINIMUM: 27 7/8" WIDE. MAXIMUM: 42" WIDE



Eight ENERGYSTAR® models

8,400 to 23,500 BTU/h EERs up to 12.0



Do you have a room or area that's always too hot or too cold?

Installing a TwinTemp heat pump or electric heat model is a perfect, low-cost solution.



enjoy year'round comfort

comfort tips

Want to clear the room of stale air or cooking smoke?

Slide the vent lever to 'EXHAUST' and set the fan to 'FAN ONLY'—out goes the bad air.

Sometimes the air outside is cooler than the air inside. If you don't want to open a window, slide the vent lever to 'FRESH AIR' and set the fan to 'FAN ONLY' to bring cool outdoor air in.

COMMERCIAL GRADE Manual control models

QuietMaster®

FULL SIZE FOR MORE PERMANENT INSTALLATION

DELUXE FEATURES

- Ultraquiet operation
- MoneySaver® setting saves energy by cycling the fan with the compressor
- 4 cooling speeds, plus fan-only setting
- Heat anticipating thermostat
- 8-way air flow control
- Fresh air intake and stale air exhaust
- Rotary controls
- Slide-out chassis for more permanent window or wall installation
- Washable, antimicrobial filter for protection against fungal and bacterial growth
- Largest capacity AHAM certified unit available



Four ENERGYSTAR® models

MONEY SAVER FEATURE	ANTIMICROBIAL FILTER	SLIDE-OUT CHASSIS
✓	✓	✓

FITS WINDOWS– MINIMUM: 27 7/8" WIDE. MAXIMUM: 42" WIDE
 *SL models fit windows a minimum of 29 7/8" wide.



11,600 to 36,000 BTU/h EERs up to 11.0

Twintemp®

COMPACT SIZE FOR EASIER REMOVAL AND STORAGE AND FULL SIZE FOR MORE PERMANENT INSTALLATION

DELUXE FEATURES

- Heat pumps are ideal for southern climates; heat pump and electric heat models provide supplemental heating in colder climates*
- Ultraquiet operation
- MoneySaver® setting** saves energy by cycling the fan with the compressor
- 3 cooling/3 heating speeds***, plus fan-only setting
- Heat anticipating thermostat
- 8-way air flow control
- Defrost control (heat pumps)
- Fresh air intake and stale air exhaust vents*
- Rotary controls
- Washable, antimicrobial filter for protection against fungal and bacterial growth
- Slide-out chassis for more permanent window or wall installation (window installation requires optional window kit)



Three ENERGYSTAR® models

MONEY SAVER FEATURE	ANTIMICROBIAL FILTER	SLIDE-OUT CHASSIS
✓	✓	✓

TWINTEMP UNITS INSTALL THRU-WALL OR IN A WINDOW WITH OPTIONAL WINDOW KIT. SEE SPECIFICATIONS.

MODEL EQ08L11A

HEAT/COOL



C COOLING 7,700 to 36,000 BTU/h **H** HEATING 4,000 to 22,000 BTU/h EERs up to 12.0

* Feature not available on model YS09L10. ** Feature not available on model EQ08L11A. *** EQ08L11A has 2 cooling and 2 heating speeds, plus fan-only.

RESIDENTIAL GRADE programmable control models

COMPACT PROGRAMMABLE

COMPACT SIZE FOR EASIER REMOVAL AND STORAGE

DELUXE FEATURES

- 12-hour programmable timer lets you set on/off times
- 3 cooling speeds, plus 3 fan-only settings
- Energy efficient for low operating cost
- Stale air exhaust vent
- 4-way air flow control
- Fixed chassis
- One-touch, lift out filter
- Auto-restart
- Dry Mode for greater dehumidification
- Expandable side curtains included to block light and noise and to allow for easier removal and storage

REMOTE CONTROL	12 HR. TIMER
✓	✓

FITS WINDOWS– MINIMUM: 22" WIDE. MAXIMUM: 36" WIDE



5,000 BTU/h EER 9.7

COMPACT AND SMALL SIZE FOR EASIER REMOVAL AND STORAGE

DELUXE FEATURES

- Auto Air Sweep swing louvers provide even air distribution
- 12-hour programmable timer lets you set on/off times
- MoneySaver® setting saves energy by cycling the fan with the compressor
- 3 cooling speeds, plus 3 fan-only settings
- Super high energy efficiency for low operating cost
- Stale air exhaust vent
- 4-way air flow control
- Slide-out chassis for more permanent window or wall installation
- One-touch, lift out filter
- Auto-restart
- Dry Mode for greater dehumidification
- Expandable side curtains included to block light and noise and to allow for easier removal and storage

REMOTE CONTROL	12 HR. TIMER	MONEY SAVER FEATURE	SLIDE-OUT CHASSIS
✓	✓	✓	✓

FITS WINDOWS– MINIMUM: 22" WIDE. MAXIMUM: 36" WIDE



MODELS CP06, CP08

FITS WINDOWS– MINIMUM: 27" WIDE. MAXIMUM: 39" WIDE



MODELS CP10, CP12



Four ENERGYSTAR® models

6,000 to 11,800 BTU/h EERs up to 10.8

RESIDENTIAL GRADE programmable control models

COMPACT PROGRAMMABLE

MEDIUM SIZE FOR EASIER REMOVAL AND STORAGE

DELUXE FEATURES

- Auto Air Sweep swing louvers provide even air distribution
- 24-hour electronic timer lets you program on/off times
- MoneySaver® setting saves energy by cycling the fan with the compressor
- 3 cooling speeds, plus 3 fan-only settings
- Energy efficient for low operating cost
- Stale air exhaust vent
- Slide-out chassis for easy window or wall installation
- Expandable side curtains included
- Easy access, lift out filter

REMOTE CONTROL	24 HR. TIMER	MONEY SAVER FEATURE	SLIDE-OUT CHASSIS
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

FITS WINDOWS – MINIMUM: 27" WIDE. MAXIMUM: 42" WIDE



14,000 to 23,500 BTU/h EERs up to 9.8



“Have a Friedrich Air Conditioner in my bedroom that is approximately 40 years old. It looks good and cools good and I use it daily”.

E. Williams
website comment
March 2006



quality that lasts –
that's Friedrich

Specifications ENERGY STAR® Models

Model	Cooling Capacity BTU/h	Heating Capacity Rated	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
COMMERCIAL GRADE												
XSTAR												
★ XQ05L10A	5500	—	115	5.0	500	—	—	11.0	1.2	200	Q	70
★ XQ06L10A	6300	—	115	4.9	548	—	—	11.5	1.4	175	Q	70
★ XQ08L10A	8000	—	115	6.8	741	—	—	10.8	1.9	175	Q	77
XQ10L10A	10000	—	115	9.0	1000	—	—	10.0	3.2	180	Q	83
XQ12L10A	11700	—	115	11.0	1198	—	—	9.8	3.2	200	Q	83
QUIETMASTER Programmable												
★ SS08L10	8400	—	115	6.6	737	—	—	11.4	1.6	265	S	108
★ 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
★ SM18L30A	17500/17300	—	230/208	7.2/7.7	1620/1570	—	—	10.8/10.8	4.5	375	M	163
★ SM21L30	20600/20200	—	230/208	9.4/10.1	2081/2020	—	—	9.9/10.0	6.0	425	M	154
★ SM24L30	23500/23000	—	230/208	11.2/12.1	2479/2421	—	—	9.5/9.5	7.0	400	M	154
QUIETMASTER												
★ KS12L10	11600	—	115	9.0	1055	—	—	11.0	2.5	356	S	114
★ KS15L10	14500	—	115	12.0	1343	—	—	10.8	3.5	377	S	128
KM18L30	17800/17600	—	230/208	8.1/8.8	1780/1760	—	—	10.0/10.0	4.4	400	M	161
★ KM24L30	23500/23000	—	230/208	11.2/12.1	2479/2421	—	—	9.5/9.5	7.0	490	M	154
★ SL28L30	28000/27700	—	230/208	13.0/14.2	2947/2916	—	—	9.5/9.5	8.8	600	L	201
SL36L30A	36000/35700	—	230/208	18.0/19.6	4235/4200	—	—	8.5/8.5	11.0	725	L	220
TWINTEMP Heat Pump												
★ 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
TWINTEMP Electric Heat												
EQ08L11A	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
EM24L34	23500/23000	13000/10600	230/208	11.2/12.1	2479/2421	19.5/17.0	4200/3500	9.5/9.5	7.0	400	M	154
EL36L35A	36000/35700	17300/14300	230/208	18.0/19.6	4235/4200	24.0/22.4	5500/4650	8.5/8.5	11.0	725	L	220
RESIDENTIAL GRADE												
COMPACT PROGRAMMABLE												
CP05N10	5000	—	115	4.8	515	—	—	9.7	1.3	135	P1	49
★ CP06E10	6000	—	115	5.1	560	—	—	10.7	1.8	210	P6	60
★ CP08E10	7800	—	115	6.8	720	—	—	10.8	3.0	250	P6	66
★ CP10E10	10000	—	115	8.5	920	—	—	10.8	3.0	270	P7	95
★ CP12E10	12000	—	115	10.2	1110	—	—	10.8	3.0	280	P7	100
CP14N10	14000	—	115	12.0	1430	—	—	9.8	4.3	370	P4	119
CP18N30	18000/17600	—	230/208	8.2/8.8	1850/1810	—	—	9.7/9.7	5.0	375	P4	150
CP24N30	23500/23100	—	230/208	12.0/13.1	2740/2710	—	—	8.6/8.5	6.3	400	P5	163

* Sleeve dimensions listed on opposite page. ** 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 50°F to 115°F.

TwinTemp Heat Pump heating information (shown in red) indicates heat pump heating performance. TwinTemp Electric Heat heating information (shown in red) indicates electric heat strip performance. For TwinTemp Heat Pump electric heating performance refer to corresponding TwinTemp Electric Heat model.

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.

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 1/4"	20"
P1†	12 1/4"	18 1/2"	15"	5"	3 1/2"	10 3/4"	22"	36"	NOT FOR THRU-WALL	
P4	17 1/2"	26"	27 5/8"	8 7/8"	5 1/2"	16 5/8"	27"	42"	17 3/4"	26 1/4"
P5	17 1/2"	26"	29 3/4"	8 7/8"	5 1/2"	19 1/2"	27"	42"	17 3/4"	26 1/4"
P6	13 5/8"	18 1/2"	20 5/8"	8 7/8"	4 1/2"	11"	22"	36"	13 7/8"	18 3/4"
P7	15"	23 5/8"	22 1/8"	8 3/4"	4 1/2"	12"	27"	39"	15 1/4"	23 7/8"
S	15 15/16"	25 15/16"	27 3/8"	8 3/4"	3 1/8"	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 1/8"	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"

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

Circuit Rating/ Breaker

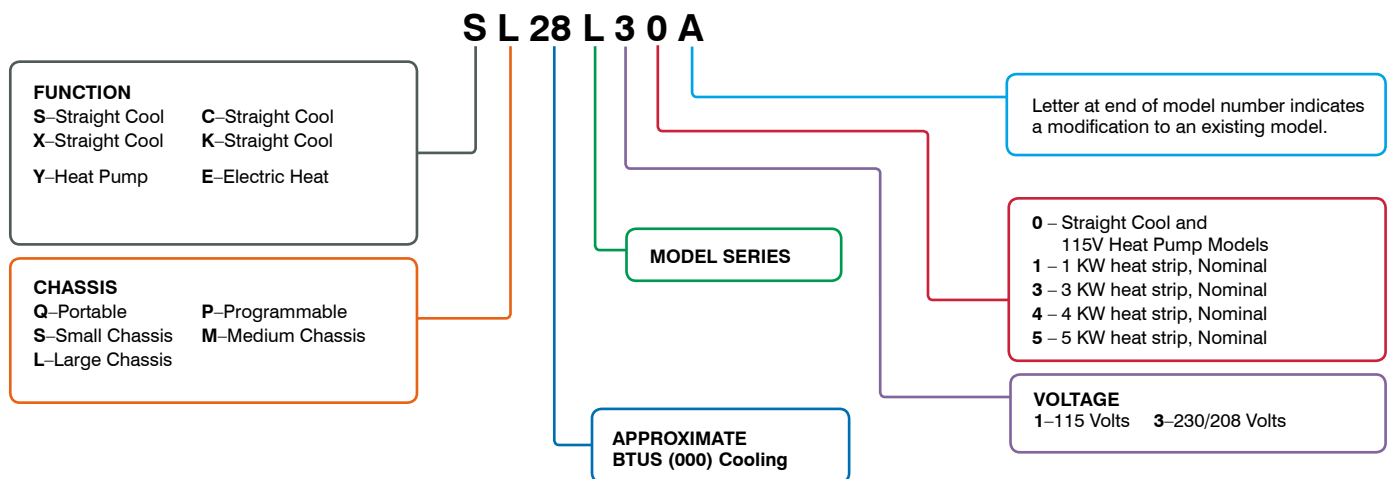
Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Wall Outlet Appearance
CP05, CP06, CP08, CP10, CP12 and CP14. All XQ MODELS. KS12L10 and KS15L10. SS08L10, SS10L10, SS12L10 and SS14L10. EQ08L11A. YS09L10.	125V - 15A	5 - 15P	
CP18. KM18L30. SS12L30, SS16L30, SM18L30A and SM21L30.	250V - 15A	6 - 15P	
CP24. KM24L30. SM24L30 and SL28L30. ES12L33 and ES16L33. YS13L33.	250V - 20A	6 - 20P	
SL36L30A. EM18L34, EM24L34 and EL36L35A. YM18L34 and YL24L35.	250V - 30A	6 - 30P	

Window Mounting Kits

TwinTemp Model	Kit No.
EQ08L11A	WIKQ
ES12L33, ES16L33, YS09L10 and YS13L33.	WIKS
EM18L34, YM18L34 and EM24L34.	WIKM
EL36L35A and YL24L35.	WIKL

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

Room Air Conditioner Model Identification Guide



Multiple solutions. One trusted name. A full line of air conditioning solutions.

PORTABLE AIR CONDITIONERS

Easy cooling. Anytime. Any place. 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: Temporary or permanent cooling in workshops, garages, home offices, dorm rooms, sunrooms, bedrooms, attics and basements.

THRU-THE-WALL AIR CONDITIONERS

Residential and commercial applications. A high efficiency replacement for older units. **IDEAL FOR:** Deep exterior walls; 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.

DUCTLESS SPLIT SYSTEMS

Sleek, absolutely quiet and incredibly energy efficient, with SEERs up to 19.0! Over 20 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



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