

# WallMaster®

## Smart Thru-the-wall Air Conditioners



Quietmaster®  
technology



Control  
with App



Save big  
on energy



Voice command  
compatible

### Quietmaster® technology

Quiet, it's in the details

### Control with App

Home or away, you're in control  
with New Friedrich Connect™

### Save big on energy

Manage energy use with ease



# FRIEDRICH

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THE EXPERTS IN ROOM AIR CONDITIONING

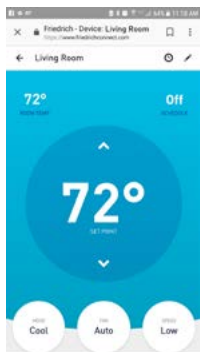
# WallMaster®

## Smart Thru-the-wall Air Conditioners



## HOME OR AWAY, YOU'RE IN CONTROL WITH THE FRIEDRICH CONNECT™ APP.

Integrated Wi-Fi control from your smartphone. Also compatible with Amazon Alexa and Google Home.



### Connect in minutes

It's easy with our simplified set up process

### Easily set your home, away, and night time preferences

Set a seven-day custom schedule that fits your lifestyle

### You're in control anytime, anywhere

Power units off and on, increase or decrease a unit's set point temperature, change system cool, fan, heat, and auto settings and fan speeds

### Controlling multiple units is simple

With our advanced grouping program, you can control multiple units to work independently or as a single system. You can even invite other users to manage one or more of your units



#### CURRENT CAPABILITIES

- Smart home ready, Amazon Alexa and Google Home compatibility
- Advanced grouping of multiple units
- Auto-restart should power interruption occur
- Keypad lockout option protects settings
- Temperature limiting for maximum low and high temperature settings
- Auto-changeover between cooling and heating

#### FUTURE CAPABILITIES

- Smart grid capable via participating energy provider
- BMS/EMS system compatible for control via 3rd party energy management system

# A PERFECT FIT IN FRIEDRICH AND FEDDERS A & B\* 27" SLEEVES

Replace old, inefficient 27" sleeve units with WallMaster



| Dimensions      | Friedrich WSE Sleeve | Fedders A Sleeve | Fedders B Sleeve |
|-----------------|----------------------|------------------|------------------|
| Height (inches) | 16 3/4               | 16 3/4           | 16 3/4           |
| Width (inches)  | 27                   | 27               | 27               |
| Depth (inches)  | 16 3/4               | 16 3/4           | 19 3/4           |

\*Installation in Fedders B sleeve requires a baffle adapter kit-BAK.

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## Control Features

- Built-in energy management programs
- High and low temperature limiting
- Keypad lockout option
- Auto-changeover between cooling and heating (heat/cool models)

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## QuietMaster® technology

- Steel inner wall and extra dense insulation blocks outdoor noise
- Vibration isolating design and components reduce operating noise
- Precision engineering delivers maximum air flow and air dispersion at low sound levels

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## Comfort & Convenience

- Premium remote control allows user to adjust temperature, adjust fan speed, select auto-fan and switch between cool and heat (models with heat)
- Smart Fan auto-adjusts fan speed to maintain desired temperature
- 24-hour timer
- Check filter reminder
- 3-speed fan
- Auto restart
- Electronic defrost control
- Individually adjustable louvers direct airflow to where it's needed most
- Washable, antimicrobial filter
- Money Saver® setting cycles the fan with the compressor
- ENERGY STAR® qualified models

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## Durability & Quality

- Rotary compressor provides quiet, dependable performance
- Premium aluminum exterior grille
- Dense blower insulation blocks outdoor noise
- Rifled copper tubing/high tech louvered fins for better efficiency
- Impact resistant front cover



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## Safety & Security

- EntryGard® anti-intrusion protection secures chassis to sleeve to deter 'kick-in' intrusion
- UL listed for safe operation
- Insect barrier

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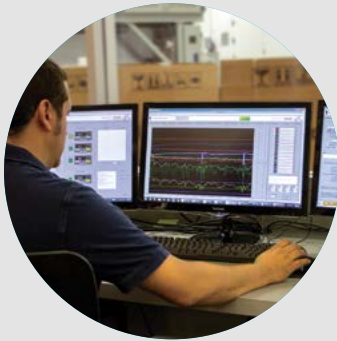
## Installation Features

- Mounts flush with the exterior wall
- Ideal for thicker wall installations, where side fins don't fit
- Firm grip handles on the chassis for easy installation and removal from wall sleeve

## QUIETMASTER® TECHNOLOGY

Building the quietest air conditioners begins with the design process and continues through the selection of superior components and materials. It is shaped by skilled manufacturing and refined through on-going product testing in our engineering lab.

The result is a noticeably quieter cooling and heating experience, as much as 40% quieter than competitor's products.



- 1 Dense, sound-blocking insulation
- 2 Quiet rotary compressor mounted on large rubber grommets
- 3 Steel inner walls
- 4 Totally-enclosed commercial grade fan motor
- 5 Insulated air plenum prevents outside air and noise intrusion
- 6 Two resilient rings on motor mount prevent metal-to-metal contact, which eliminates extra vibration and noise.
- 7 Solid steel blower wheel housing for maximum sound reduction.

## OPTIONAL ACCESSORIES

### WSE SLEEVE/ EXTERIOR GRILLES



#### Standard Grille

Premium, expanded metal grille with powder coat paint. Ships with WSE sleeve.



#### Optional Architectural Grille- AG

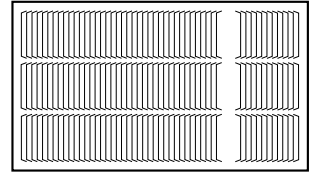
Premium extruded aluminum grille.

#### IMPORTANT:

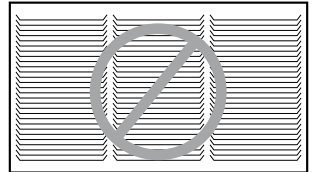
Operating the air conditioner with incorrect rear grille or without Baffle Adapter Kit (on 19 3/4" deep sleeve) will recirculate discharge air and cause compressor overload to trip.

This will cause the unit to shut down temporarily and may lead to premature compressor failure.

#### CORRECT Vertical Louvers



#### INCORRECT Horizontal Louvers



#### WSE Wall Sleeve

Ships with standard grille (shown above) and standard galvanized steel inner panel and painted steel outer panel.



WSE sleeve



Steel inner panel



Outer weather panel

## INSTALLATION ACCESSORIES

#### DK / Drain Kit

Installed at the back of the unit and allows for attachment to condensate disposal system, if necessary or desired.



#### IDK / Internal Drain Kit

New construction applications 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" deep, such as Fedders B sleeve (19 3/4" deep).



## CHASSIS DIMENSIONS

| Height  | Width   | Depth | Height of Front | Width of Front | Depth with Front | Minimum Extension Into Room with Front |
|---------|---------|-------|-----------------|----------------|------------------|--|
| 15 3/4" | 26 1/2" | 21"   | 17 1/4"         | 27 1/2"        | 23 1/4"          | 7 1/2"                                 |

## WSE SLEEVE DIMENSIONS

| Height  | Width | Depth   | Depth with Front | Minimum Extension Outside | Thru-the-wall Finished Hole |         |            |
|---------|-------|---------|------------------|---------------------------|-----------------------------|---------|------------|
|         |       |         |                  |                           | Height                      | Width   | Max. Depth |
| 16 3/4" | 27"   | 16 3/4" | 24 1/4"          | 9/16"                     | 17 1/4"                     | 27 1/4" | 15 5/16"   |

NOTE: Chassis requires WSE sleeve (sold and shipped separately)

# SPECIFICATIONS

★ ENERGY STAR® models

| Model                             | UPC          | Cooling Btu | Heating Btu | Volts Rated | Cooling Amps | Cooling Watts | Heating Watts | Heating Amps | EER  | CEER | Estimated Yearly Energy Cost | COP | Moisture Removal Pints per Hr. | CFM | Wt Lbs Net./Ship |
|-----------------------------------|--------------|-------------|-------------|-------------|--------------|---------------|---------------|--------------|------|------|------------------------------|-----|--------------------------------|-----|------------------|
| <b>Cooling Only</b>               |              |             |             |             |              |               |               |              |      |      |                              |     |                                |     |                  |
| ★ WCT08A10A                       | 724587436655 | 8000        | —           | 115         | 7.0          | 748           | —             | —            | 10.7 | 10.6 | \$73                         | —   | 1.8                            | 250 | 93/97            |
| ★ WCT10A10A                       | 724587436662 | 10000       | —           | 115         | 9.3          | 935           | —             | —            | 10.7 | 10.6 | \$92                         | —   | 2.4                            | 250 | 103/107          |
| WCT12A10A                         | 724587436952 | 12000       | —           | 115         | 11.1         | 1250          | —             | —            | 9.6  | 9.5  | \$122                        | —   | 3.8                            | 295 | 101/105          |
| ★ WCT10A30A                       | 724587436945 | 10000       | —           | 230         | 4.4          | 935           | —             | —            | 10.7 | 10.6 | \$92                         | —   | 2.7                            | 275 | 112/116          |
| WCT12A30A                         | 724587436969 | 12000       | —           | 230         | 5.4          | 1250          | —             | —            | 9.6  | 9.5  | \$123                        | —   | 3.8                            | 300 | 109/113          |
| WCT16A30A                         | 724587436976 | 15400       | —           | 230         | 7.5          | 1638          | —             | —            | 9.4  | 9.3  | \$161                        | —   | 4.8                            | 290 | 119/123          |
| <b>Cooling with Heat Pump</b>     |              |             |             |             |              |               |               |              |      |      |                              |     |                                |     |                  |
| WHT12A33A                         | 724587436983 | 11100       | 8900        | 230         | 5.5          | 1181          | 1087          | 5.0          | 9.4  | 9.3  | \$102                        | 2.3 | 3.1                            | 275 | 111/115          |
| <b>Cooling with Electric Heat</b> |              |             |             |             |              |               |               |              |      |      |                              |     |                                |     |                  |
| WET10A33A                         | 724587436990 | 10000       | 11000       | 230         | 4.4          | 935           | 3550          | 16.0         | 10.7 | 10.6 | \$92                         | —   | 2.7                            | 260 | 104/108          |
| WET12A33A                         | 724587437003 | 12000       | 11000       | 230         | 5.4          | 1250          | 3550          | 16.0         | 9.6  | 9.5  | \$1230                       | —   | 3.8                            | 290 | 107/111          |
| WET16A33A                         | 724587437010 | 15400       | 11000       | 230         | 7.5          | 1638          | 3550          | 16.0         | 9.4  | 9.3  | \$161                        | —   | 4.8                            | 290 | 119/123          |

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

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




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.

Note: all models will produce condensate. If condensate disposal is desired, an optional drain kit is available.

**DEFROST CONTROL:** Initiated at 30°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.

**DEFROST DRAIN:** Drain automatically opens at approximately 50°F to prevent condensate from freezing inside drain pan.

## PLUG FACE/CIRCUIT RATING

| Model  | Circuit Rating Breaker or T-D Fuse | Plug Face (NEMA#) | Power Cord Length (ft.) | Wall Outlet Appearance  |
|--|------------------------------------|-------------------|-------------------------|---|
| WCT08A10A, WCT10A10A and WCT12A10A.            | 125V - 15A                         | 5 - 15P           | 6                       |    |
| WCT10A30A, WCT12A30A and WCT16A30A.            | 250V - 15A                         | 6 - 15P           | 6                       |  |
| WHT12A33A, WET10A33A and WET12A33A. WET16A33A. | 250V - 20A                         | 6 - 20P           | 6                       |  |

| Model       | Carton Dimensions Inches |         |         |
|-------------|--------------------------|---------|---------|
|             | Height                   | Width   | Depth   |
| WallMaster® |                          |         |         |
| WSE Sleeve  | 18"                      | 27 1/4" | 18"     |
| Chassis     | 19 3/8"                  | 30 5/8" | 27 1/2" |

Power cords are located on front left of WallMaster models.

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.

EER is the unit's Energy Efficiency Ratio; CEER is the unit's Combined Energy Efficiency Ratio.

Your energy costs will depend on your utility rates and use. The estimated energy cost is based on a electricity cost of \$.12 per kWh.

For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).



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