FRIEDRICH

WALLMASTER®

THROUGH-THE-WALL AIR CONDITIONERS

ELECTRIC HEAT, HEAT PUMPS

PURCHASER	P.O. #	DATE
PROJECT	LOCATION	
ENGINEER	ARCHITECT	
SUBMITTED BY	FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL

Accessories (Wall sleeve is required)

WSE Wall Sleeve	Qty	
AG Architectural Grille	Qty	
DK Drain Kit	Qty	
IDK Internal Drain Kit	Qty	
BAK Baffle Adapter Kit	Qty	

Chassis requires WSE sleeve (sold and shipped separately)



COMFORT & CONVENIENCE

- Smart Fan auto-adjusts fan speed to maintain desired temperature
- Check filter reminder
- Control panel lockout (ON/OFF)
- 3-speed fan
- Auto restart
- Electronic defrost control
- Individually adjustable louvers direct airflow to where it's needed most
- Washable air filter
- Money Saver® setting cycles the fan with the compressor
- Auto-changeover between cooling and heating (heat/cool models)

EARTH FRIENDLY

- Multiple scheduling options save energy
- Temperature limiting for maximum low and high temperature settings
- R-32 refrigerant with low Global Warming Potential on all models
- Recyclable packaging

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

CONTROL VIA FRIEDRICHCONNECT®

- Built-in Wi-Fi
- Voice command compatible, Amazon Alexa/Google Home
- Create customizable, 7-day schedules
- Advanced grouping of multiple units

SAFETY & SECURITY

- UL listed for safe operation
- Insect barrier

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

DURABILITY & QUALITY

- Quiet rotary compressor
- Premium aluminum exterior grille
- Impact resistant front cover

WARRANTY AND SUPPORT

- Industry-leading warranty features 2-year limited warranty
- Nationwide service network and U.S.-based Friedrich expert technical team ensures you get fast, knowledgeable service.

2 YR. PARTS WARRANTY

*Based on testing conducted at Friedrich's Design and Development Center in comparison to leading rotary compressor models.

Unit Dimensions
& General Data



Inverter Models

	Model	Cooling Btu (Nominal)	Low Cooling Btu	HP Heating Btu	Electric Heating Btu (Backup)	Volts	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts	Electric Heating kW	EER	CEER	ENERGY STAR®	Estimated Yearly Energy Cost	COP	Moisture Removal Pints/Hr	CFM	Net/Ship Wt. Lbs.
	WALLMASTER® THROUGH-THE-WALL – COOL ONLY																		
★	WCVT10B10A	11,000	5,000	—	—	115V	11.6	585	—	—	—	9.8	13	Y	$59	—	3.4	275	90/95
★	WCVT10B30A	11,100	5,000	—	—	230V	5.4	585	—	—	—	10.7	13	Y	$59	—	3.4	275	90/95
★	WCVT12B10A	13,500	6,000	—	—	115V	11.6	703	—	—	—	11.1	13.2	Y	$68	—	4.6	300	110/115
★ ★	WCVT12B30A	13,600	6,000	—	—	230V	6.5	681	—	—	—	11.7	13.9	Y	$68	—	4.6	300	110/115
★	WCVT16B30A	16,800	8,000	—	—	230V	10.4	964	—	—	—	9.4	12.6	Y	$96	—	6.2	350	110/115
	WALLMASTER® THROUGH-THE-WALL – HEAT PUMP																		
	WHVT14B33A	15,200	7,000	10,900	10,700	230V	8.7	906	5	1250	3.2KW	9.5	12	Y	$90	2.4	5	350	115/120

★ *ENERGY STAR® models*

★ ★ *ENERGY STAR® 2025 Most Efficient models*

NOTE: WallMaster Heat Pump heating information indicates heat pump performance; WallMaster Electric Heat heating information indicates electric heat strip performance; For WallMaster Heat Pump electric heating performance refer to corresponding WallMaster Electric Heat model; Your energy costs will depend on your utility rates and use.

Single-speed Models

Model	Cooling Btu	Heating Btu	Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts	EER	CEER	ENERGY STAR®	Estimated Yearly Energy Cost	COP	Moisture Removal Pints/Hr	CFM	Net/Ship Wt. lbs.
WALLMASTER® THROUGH-THE-WALL – COOL ONLY															
WCT16B30A	15,400	—	230V	7.7	1,638	—	—	9.4	9.3	N	$161	—	4.8	280	119/123

All units use R-32 refrigerant with low Global Warming Potential.

Cooling Sizing Guide

Area To Be Conditioned in Sq. Ft.	Recommended Friedrich Model	Volts
100–350	WCVT10B10A	115
	WCVT10B30A	230
300-550	WCVT12B10A	115
	WCVT12B30A	230
500-600	WHVT14B33A	230
550-700	WCVT16B30A	230

Guide based on normal room insulation, average number of sun exposed windows and two person occupancy.

1. If heavily shaded, reduce cooling Btus required by 10%
2. If very sunny, increase cooling Btus required by 10%
3. Add 500 Btus per person over 2 people
4. Add 4,000 Btus if the area is a kitchen

WallMaster® Installation Information

Through-the-wall Installation

	THROUGH-THE-WALL INSTALLATION												
	Height (Inches)	Width (Inches)	Depth (Inches)	Height of Front (Inches)	Width of Front (Inches)	Depth with Front (Inches)	Minimum Extension Into Room with Front (Inches)	Minimum Extension Outside (Inches)	Finished Hole (Inches)			Carton Dimensions (Inches)		
									Height	Width	Max. Depth	Height	Width	Depth
Chassis Dimensions	15 3/4"	26 1/2"	21"	17 1/4"	27 1/2"	23 1/4"	7 1/2"	–	–	–	–	19 3/8"	30 5/8"	27 1/2"
WSE Sleeve Dimensions	16 3/4"	27"	16 3/4"	–	–	24 1/4"	–	9/16"	17¼"	27¼"	15 5/16"	18"	27 1/4"	18"

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

Electrical Requirements

Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Power Cord Length (ft.)	Wall Outlet Appearance
WCVT10B10A, WCVT12B10A	125V–15A	5–15P	6'	
WCVT10B30A, WCVT12B30A, WCVT16B30A	250V–15A	6–15P	6'	
WHVT14B33A	250V–20A	6–20P	6'	

NOTE: Power cords are located on the front left side of WallMaster units.



Remote control included

A PERFECT FIT IN FEDDERS A & B[1] 27" SLEEVES

Replace old, inefficient 27" sleeve units with WallMaster



Dimensions	Friedrich WSE Sleeve	Fedders A Sleeve	Fedders B Sleeve[1]
Height (inches)	16¾"	16¾"	16¾"
Width (inches)	27"	27"	27"
Depth (inches)	16¾"	16¾"	19¾"

[1]Installation in Fedders B sleeve requires a baffle adapter Kit—BAK.

WallMaster® Optional Accessories

WSE SLEEVE/EXTERIOR GRILLES



Standard Grille

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



Optional Architectural Grille – AC

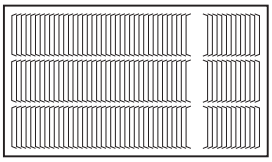
Premium extruded aluminum grille.

IMPORTANT:

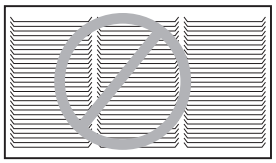
Operating the air conditioner with incorrect rear grille or without Baffle Adapter Kit (on 19¾" deep sleeve) will recirculate discharge air and cause compressor overload to trip.

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 16¾" deep, such as Fedders B sleeve (19¾" deep).



B. SPECIFICATIONS

B.1 Product Data

Wireless Programming and Control

Friedrich Connect allows you to conveniently control, program and monitor your air conditioning unit remotely from a smarthphone or computer.

Pre-Programmed Timer Options

Your unit's digital control comes equipped with a 24-hour timer.

24-Hour Timer

The 24-hour timer allows you to set 2 temperature changes at pre-set times or a unit control panel.

Customizable Programming Options:

Cuztomizable timers, with up to four temperature adjustments per day, can be set using Friedrich Connect for one or multiple units.

See www.friedrich.com for complete details on Friedrich Connect.

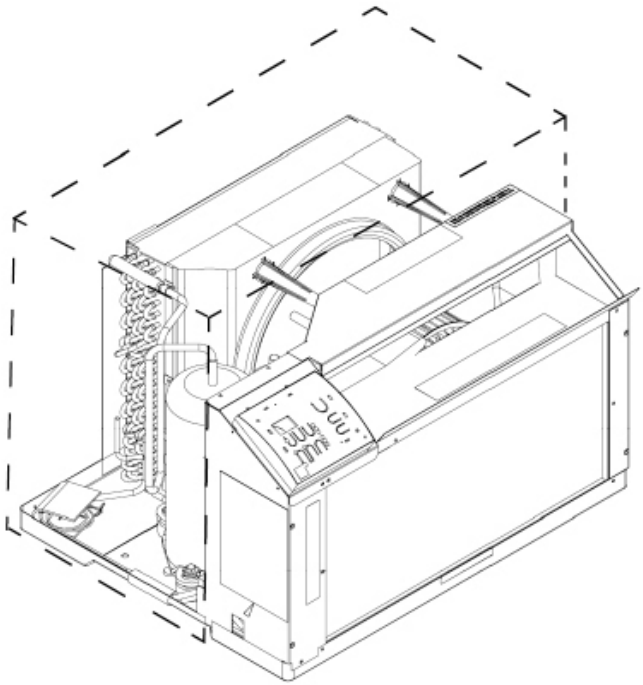
B.2 Dimensions

Chassis Dimensions						
Height	WidthD	Epth	Height of Front	Width of Front	Depth with Front	Minimum Extension into the Room with Front
15 3/4" 2	6 1/2" 2	1"	17 1/4" 2	7 1/2" 2	3 1/4" 7	1/2"

WSE Sleeve Dimensions							
Height	WidthD	Epth	Depth withf Front	Minimum Extension Outside	Thru-the-wall Finished Hole		
					Height	Width M	Max. Depth
16 3/4"	27"	16 3/4"	24 1/4"	9/16"	17 1/4"	27 1/4"	15 5/16"

B.3 Outdoor Use

The only section of this air conditioner acceptable for outdoor use is designated by the dotted area in the image below. To ensure the protection of parts not acceptable for outdoor use please follow the installation instructions as shown in this document. Please note that junction and electrical boxes are not acceptable for outdoor use.



C. INSTALLATION OF THE UNIT

C.4 WSE Sleeve Installation

⚠WARNING



Falling Object Hazard

Not following Installation Instructions for mounting your air conditioner can result in property damage, injury, or death.

Mounting Hardware		
ITEM NO	DESCRIPTION	QTY.
1	SCREW, #12A x 2"	7

Wall Preparation

STEP 1.

The wall opening required for a WSE SLEEVE is 17 1/4 high by 27 1/4 wide.

STEP 1.

LINETELS must be used in opening of brick veneer and masonry walls to support the material above the WSE SLEEVE. The following considerations should also be given:

A. Masonry walls to support the material above the WSE SLEEVE.

B. Locally manufactured subbase or other unit support must be provided for panel wall type construction and for walls less than 8 thick.

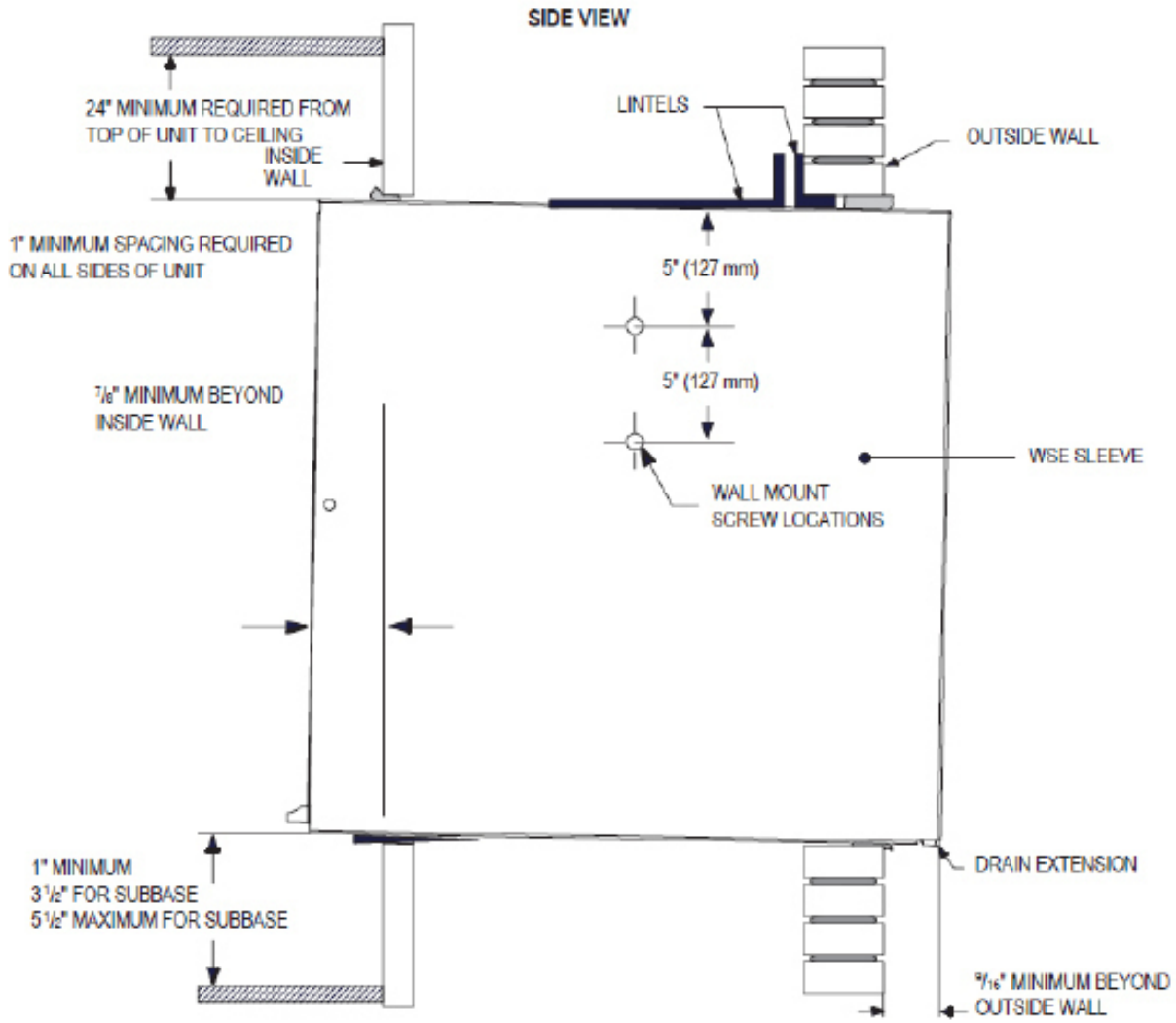


Figure C.4.1

WallMaster®

Friedrich.com/WallMaster

Standing Out as a Cut Above

Many Friedrich products have sustainability features, but the WCVT10B10A, WCVT10B30A, WCVT12B10A, WCVT12B30A, WCVT16B30A models have earned our Sustainability Standout® seal, indicating that they are among the best of the best. We created the seal to help you more easily find the products that save energy, save money, and save the planet.

ENERGY STAR ENERGY STAR Most Efficient 2025 www.energystar.gov 2 YR. PARTS WARRANTY LOW GWP Refrigerant

Due to continuing research in new energy-saving technology, specifications are subject to change without notice. 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 $.13 per kWh.

© 2024 Friedrich Air Conditioning Co. Friedrich trademarks are owned by Friedrich Air Conditioning LLC.

FRIEDRICH