

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)

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

## FEATURES

- Control with FriedrichConnect® app or by voice command
- Customizable, 7-day schedules
- Advanced grouping of multiple units
- Smart Fan auto-adjusts fan speed to maintain desired temperature
- Check filter reminder
- Control panel lockout (ON/OFF)
- hour timer
- 3-speed fan
- Auto restart
- Electronic defrost control
- Individually adjustable louvers direct airflow to where it's needed most
- Washable filter
- Money Saver® setting cycles the fan with the compressor
- Auto-changeover between cooling and heating (heat/cool models)
- Rotary compressor provides quiet, dependable performance
- Premium aluminum exterior grille
- Up to 45% quieter\* than competitive models
- 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
- 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
- Insect barrier
- Multiple scheduling options save energy
- Temperature limiting for maximum low and high temperature settings
- R-32 refrigerant with low global warming potential (GWP) on WCT16B30A
- Recyclable packaging

# WALLMASTER® OPTIONAL ACCESSORIES

## WSE SLEEVE/EXTERIOR GRILLES



### Standard Grille

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



### Optional Architectural Grille- AG

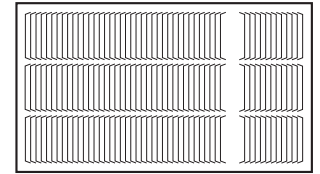
Premium extruded aluminum grille.

### IMPORTANT:

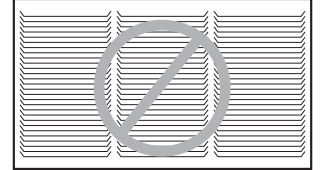
Operating the air conditioner with incorrect rear grille or without Baffle Adapter Kit (on 19 1/4" deep sleeve) will recirculate discharge air and cause compressor overload to trip.

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 1/4" deep).



## A PERFECT FIT IN 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 1/4"

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

## 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	Depth	Depth with Front	Minimum Extension Outside	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)

## WALLMASTER® SPECIFICATIONS

Model	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.	Refrigerant	CFM	Wt Lbs Net/Ship
Cooling Only															
WCT08A10A	8000	—	115	7.2	748	—	—	10.7	10.6	\$73	—	2.0	R410A	250	93/97
WCT10A10A	10000	—	115	9.3	935	—	—	10.7	10.6	\$92	—	2.8	R410A	250	103/107
WCT12A10B	11600	—	115	10.5	1094	—	—	10.6	10.5	\$122	—	3.5	R410A	295	101/105
WCT10A30A	10000	—	230	4.4	935	—	—	10.7	10.6	\$92	—	2.8	R410A	275	112/116
WCT12A30B	12000	—	230	5.5	1132	—	—	10.6	10.5	\$123	—	3.6	R410A	300	109/113
Cooling with Heat Pump															
WHT12A33A*	11100	8900	230	5.5	1181	1087	5.0	9.4	9.3	\$102	2.4	3.1	R410A	275	111/115
Cooling with Electric Heat															
WET10A33A	10000	11000	230	4.4	935	3550	16.0	10.7	10.6	\$92	—	2.8	R410A	260	104/108
WET12A33A	12000	11000	230	5.5	1250	3550	16.0	9.6	9.5	\$123	—	3.8	R410A	290	107/111
WET16A33A	15400	11000	230	7.7	1638	3550	16.0	9.4	9.3	\$161	—	4.8	R410A	280	119/123

### R-32 Refrigerant Models

Model	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.	Refrigerant	CFM	Wt Lbs Net/Ship
Cooling Only															
WCT16B30A	15400	—	230	7.7	1638	—	—	9.4	9.3	\$161	—	4.8	R-32	280	119/123

\* Heat Pump heating information indicates heat pump heating performance. Electric Heat heating information 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.

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.

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

Uses R-32 refrigerant with low Global Warming Potential  
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# WALLMASTER®

## 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 3/4"	7 1/2"

## WSE SLEEVE DIMENSIONS

					Thru-the-wall Finished Hole		
Height	Width	Depth	Depth with Front	Minimum Extension Outside	Height	Width	Max. Depth
16 ¾"	27"	16 ¾"	24 ¼"	9/16"	17 ¼"	27 ¼"	15 5/16"

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

## 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 WCT12A10B	125V - 15A	5 - 15P	6	
WCT10A30A., WCT12A30B and WCT16A30A.	250V - 15A	6 - 15P	6	
WHT12A33A, WET10A33A and WET12A33A. WET16A33A.	250V - 20A	6 - 20P	6	

Model	Carton Dimensions		
	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.



# 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 smartphone 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:

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

See [www.friedrich.com](http://www.friedrich.com) for complete details on Friedrich Connect.

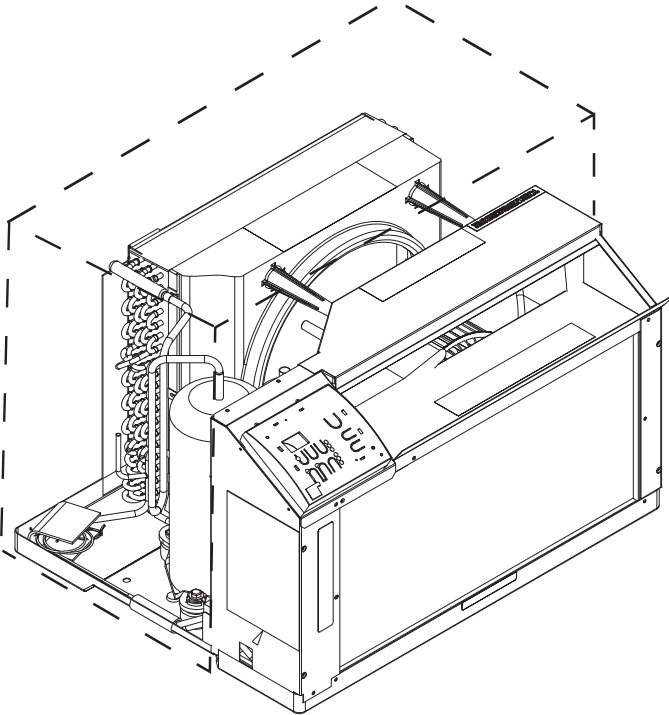
## B.2 Dimensions

Chassis Dimensions						
Height	Width	Depth	Height of Front	Width of Front	Depth with Front	Minimum Extension into the Room with Front
15 <sup>3</sup> / <sub>4</sub> "	26 <sup>1</sup> / <sub>2</sub> "	21"	17 <sup>1</sup> / <sub>4</sub> "	27 <sup>1</sup> / <sub>2</sub> "	23 <sup>1</sup> / <sub>4</sub> "	7 1/2"

WSE Sleeve Dimensions							
					Thru-the-Wall Finished Hole		
Height	Width	Depth	Depth with Front	Minimum Extension Outside	Height	Width	Max. Depth
16 <sup>3</sup> / <sub>4</sub> "	27"	16 <sup>3</sup> / <sub>4</sub> "	24 <sup>1</sup> / <sub>4</sub> "	9/16"	17 <sup>1</sup> / <sub>4</sub> "	27 <sup>1</sup> / <sub>4</sub> "	15 <sup>5</sup> / <sub>16</sub> "


## 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.

### Wall Preparation

- STEP 1.** The wall opening required for a WSE SLEEVE is 17 ¼ high by 27 ¼ wide.
- STEP 2.** LINTELS 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.

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

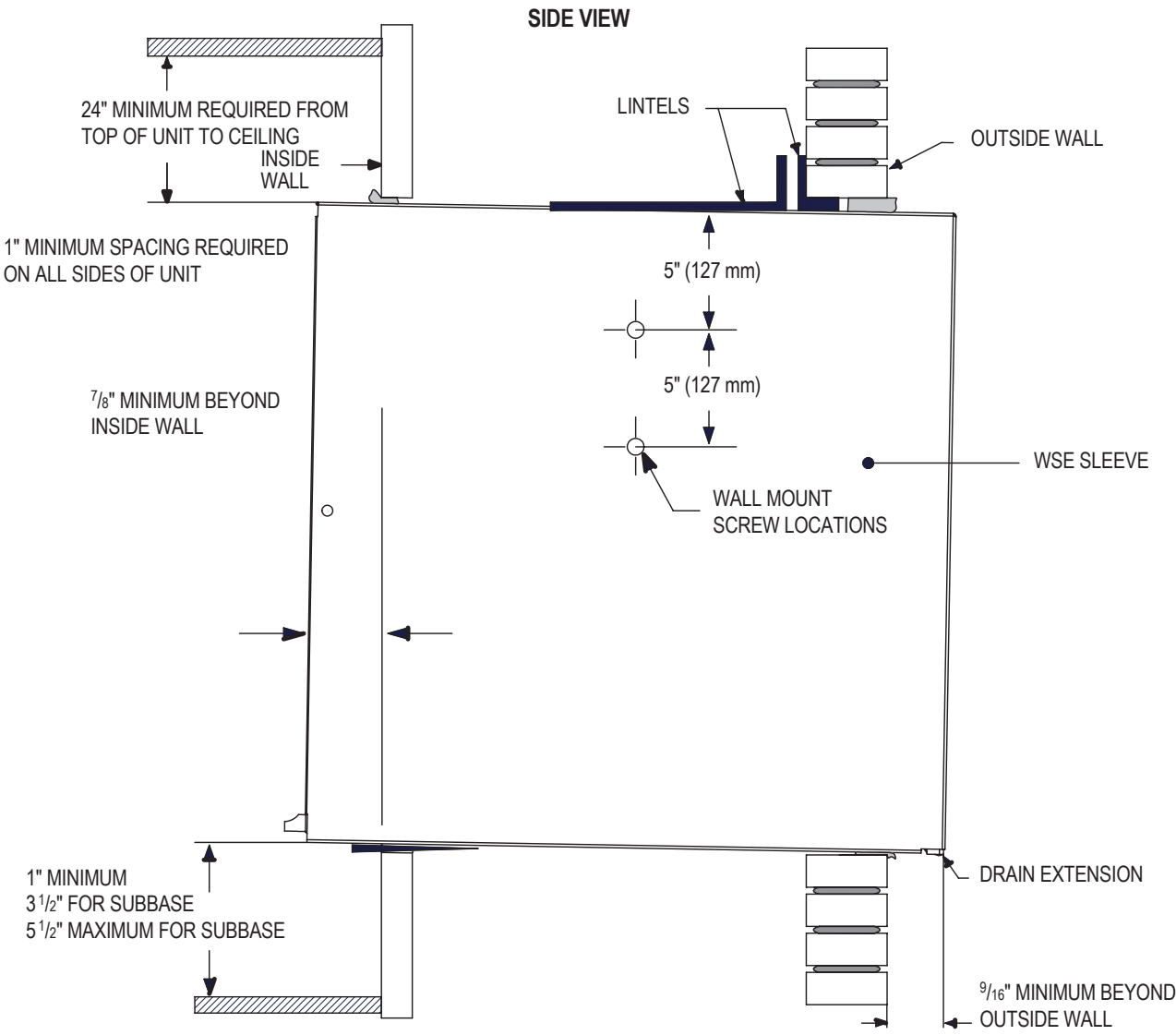


Figure C.4.1