FRIEDRICH

Uni-Fit® Series

Through-the-wall Room Air Conditioners

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)

USC Wall Sleeve	Qty	
UXAA Architectural Grille	Qty	

Smart Control Features

- Built-in Wi-Fi control on the go with the FriedrichGo™ App
- Smart home / voice command device compatability (Amazon Alexa or Google Home)
- 24-hour timer
- Remote Control

QuietMaster® Technology

- Heavy duty insulation on inner wall for sound absorption
- Stiffened sheet metal casing to block external noise
- Wide air discharge vents optimize airflow and minimize front panel noise
- Counterweights dampen vibration and decrease sound

Reliable Construction

- Both the indoor and outdoor coils are corrosion protected for a longer life cycle

Comfort & Convenience

- 3 cooling and fan-only speeds, plus auto fan (UCT models)
- 3 cooling/ 3 heating speeds, plus auto fan (UET models)
- Sleep setting
- Auto restart saves settings if power is interrupted
- 8-way air flow control
- Washable air filter

Earth Friendly

- Money Saver® mode saves energy by operating the fan only with the compressor to briefly circulate air
- R-32 refrigerant with low Global Warming Potential

LOW GWP Refrigerant

Installation Features

- Chassis designed to fit multiple existing sleeves from 24 1/2" to 27"
- Universal fit decorative trim ring included

Uni-Fit® Through-The-Wall
Model Information

SPECIFICATIONS

Model	Cooling Btu	Heating Btu	Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts	EER	CEER	Estimated Yearly Energy Cost	Moisture Removal Pints/Hr	Refrigerant	CFM	Wt Lbs Net/Ship
COOLING ONLY														
UCT08B10A	8,000	–	115	8.5	780	–	–	10.2	10.1	$69	1.69	R-32	252	60/72
UCT10B10A	10,000	–	115	11.0	980	–	–	10.2	10.1	$85	2.54	R-32	265	64/76
UCT10B30A	10,000	–	230	5.5	980	–	–	10.2	10.1	$85	2.54	R-32	282	63/ 76
UCT12B10A	12,000	–	115	11.5	1,160	–	–	10.1	10.0	$102	3.38	R-32	282	70/ 81
UCT12B30A	12,000	–	230	6.5	1,160	–	–	10.1	10.0	$102	3.38	R-32	276	72/ 84
UCT14B30A	14,000	–	230	7.5	1,460	–	–	9.4	9.3	$135	4.44	R-32	265	72/ 84
COOLING WITH ELECTRIC HEAT														
UET08B11A	8,000	4,200	115	8.5	820	13	1,470	9.7	9.6	$74	0.8	R-32	294	63/ 74
UET10B33A	10,000	10,600	230	5.5	1,030	15	3,650	9.7	9.6	$93	1.2	R-32	282	66/ 78
UET12B33A	12,000	10,600	230	6.5	1,175	15	3,650	9.7	9.6	$111	1.6	R-32	276	72/ 84
UET14B33A	14,000	10,600	230	7.5	1,510	15	3,650	9.4	9.3	$135	2.1	R-32	265	75/ 86

PLUG FACE / CIRCUIT RATING / POWER CORD

Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Power Cord Length (ft.)	Wall Outlet Appearance
UCT08B10A, UCT10B10A, UCT12B10A	125V - 15A	5 - 15P	6	
UCT10B30A, UCT12B30A, UCT14B30A	250V - 15A	6 - 15P	6	
UET08B11A	125V - 15A	5 - 15P	4.75	
UET10B33A, UET12B33A, UET14B33A	250V - 20A	6 - 20P	4.75	

Power cords are located on front left of Uni-Fit models.

COOLING SIZING GUIDE

AREA TO BE CONDITIONED IN SQ. FT.	APPROXIMATE COOLING BTU REQUIRED
100 - 150	5,000
150 - 250	6,000
250 - 300	7,000
300 - 350	8,000
350 - 400	9,000
400 - 450	10,000
450 - 550	12,000
550 - 700	14,000
700 - 1,000	18,000
1,000 - 1,200	21,000
1,200 - 1,400	23,000
1,400 - 1,500	24,000
1,500 - 2,000	30,000
2,000 - 2,500	34,000

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

Uses R-32 refrigerant with low Global Warming Potential

Your energy costs will depend on your utility rates and use. The estimated energy cost is based on an electricity cost of $.13 per kWh.

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

LOW GWP Refrigerant

Universal fit for easy replacement in existing 24 1/2", 26" or 27" sleeves

If your current wall sleeve is in good condition you may be able to keep it. Uni-Fit® can be installed directly into many competitor's existing wall sleeves. The included decorative trim ring (shown in the photo below) will cover any gap between the chassis and wall sleeve.

Sleeve Dimensions	USC/USCEZ	Amana	Carrier (51S Series)	Fedders/ Emerson/ Friedrich WSE	Emerson/ Fedders	GE/ Hotpoint	Whirlpool	White-Westinghouse/ Frigidaire/ Carrier (52F Series)
Height	15 1/2"	15 5/8"	16 7/8"	16 3/4"	15 3/4"	15 5/8"	16 1/2"	15 1/4"
Width	25 7/8"	26"	25 3/4"	27"	26 3/4"	26"	25 7/8"	25 1/2"
Depth	16 3/4"	16 7/8"	18 5/8"	16 3/4" or 19 3/4"	15"	16 7/8"	17 1/8" or 23"	16", 17 1/2" or 22"

NOTE: Chassis requires USC/USCEZ sleeve for new installations (sold and shipped separately).

IMPORTANT: When installing into an existing sleeve, consult Installation Section of your Installation/Operation Manual to determine whether or not the grille needs to be replaced and/or should be used.



IMPORTANT

1" gap on sides and 1/2" gap at top allows installation into varying sleeve sizes.

The gap can be covered by the **decorative trim ring** that fits over the chassis front. Trim ring comes standard with chassis.



IMPORTANT

CHASSIS EXTENSION INTO THE ROOM

A

UCT and UET chassis with front fully installed into USC/USCEZ sleeve extends into the room as shown at right



CHASSIS & SLEEVE DIMENSIONS

Model	Height	Width	Depth	Depth with Front	Minimum Extension Into Room	Minimum Extension Outside	Through-the-Wall Finished Hole		
							Height	Width	Max. Depth
Uni-Fit® Chassis	14 1/2"	24 1/4"	-	20 5/16"	3 3/4"	-	-	-	-
USC/USCEZ Sleeve	15 1/2"	25 7/8"	16 3/4"	20 1/2"	–	1/2"	15 3/4"	26 1/8"	16 1/4"

CARTON DIMENSIONS

Model	Carton Dimensions Inches		
	Height	Width	Depth
Uni-Fit® Chassis	16 3/8"	27 3/4"	26 5/8 "
USC/USCEZ Sleeve	17 7/8"	28"	19 1/4"

Uni-Fit®
Accessories

USC & USCEZ Sleeve (Sold Separately)

An existing or new sleeve is required for installation. The Friedrich USC and USCEZ sleeves ship with the accessories needed for installation in new construction, or installation into an existing hole in the wall.

The USCEZ sleeve comes in 4 knock down side panels, that are easy to snap in place - no additional hardware required. Grille screws into place on sleeve (screws included). Sleeves ship collapsed with grille, weather barrier, and required screws.

USC & USCEZ wall sleeve ships with weather panels (2) and grille. Sleeve is shown at right with:

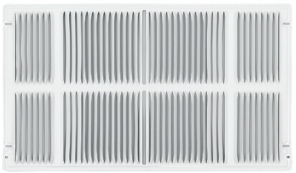
1. Painted steel inner weather panel
2. Painted steel outer weather panel



USC & USCEZ sleeve

Inner weather panel

Outer weather panel

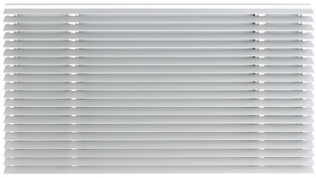


Standard grille
(come standard with Uni-Fit®)

Optional Grille (Sold Separately)

ARCHITECTURAL GRILLE-UXAA/UXSC

Optional extruded brushed aluminum grille.



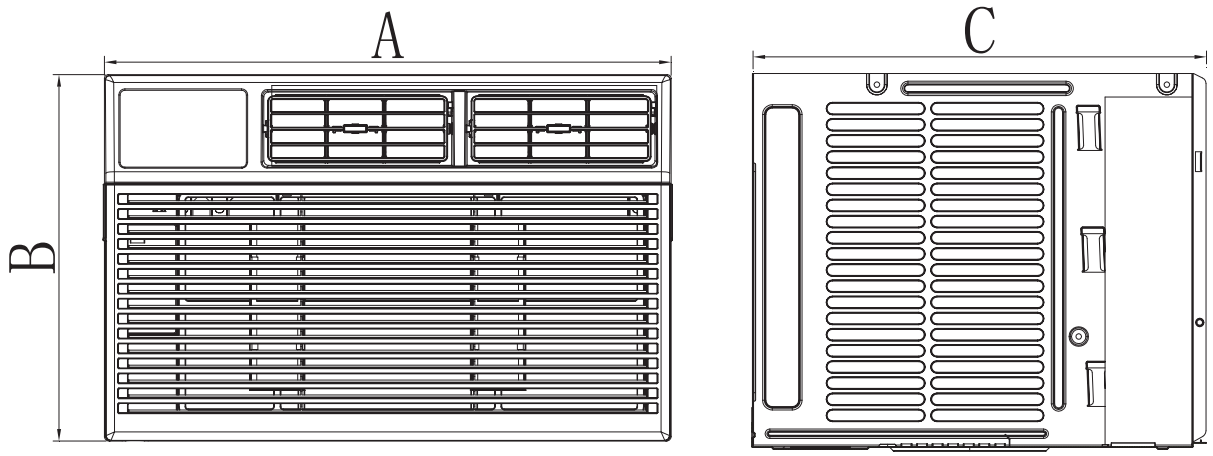
UXAA, optional architectural grille

IMPORTANT

When installing into existing sleeve, consult Installation Section of your Installation/Operation Manual to determine whether or not the grille needs to be replaced and/or a baffle adapter should be used.

B. SPECIFICATIONS

B.1 DIMENSIONS



Model	A	B	C
UCT08B10A, UCT10B10A, UCT10B30A, UCT12B10A, UCT12B30A, UCT14B30A, UET08B11A, UET10B33A, UET12B33A, UET14B33A	24 1/4	14 1/2	20 1/4

Figure B.1
Dimensions in inches

C. INSTALLATION OF THE UNIT

C.4 Installation Instructions for USC Sleeve



(USC Sleeve Sold Separately)
Wall Preparation

STEP 1. The wall opening required for a USC SLEEVE is 15 25/32 high by 26 1/8 wide.

STEP 2. LINETELS must be used in opening of brick veneer and masonry walls to support the material above the USC SLEEVE. The following considerations should also be given:

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

B. Adjustable SUBBASE (SB) 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

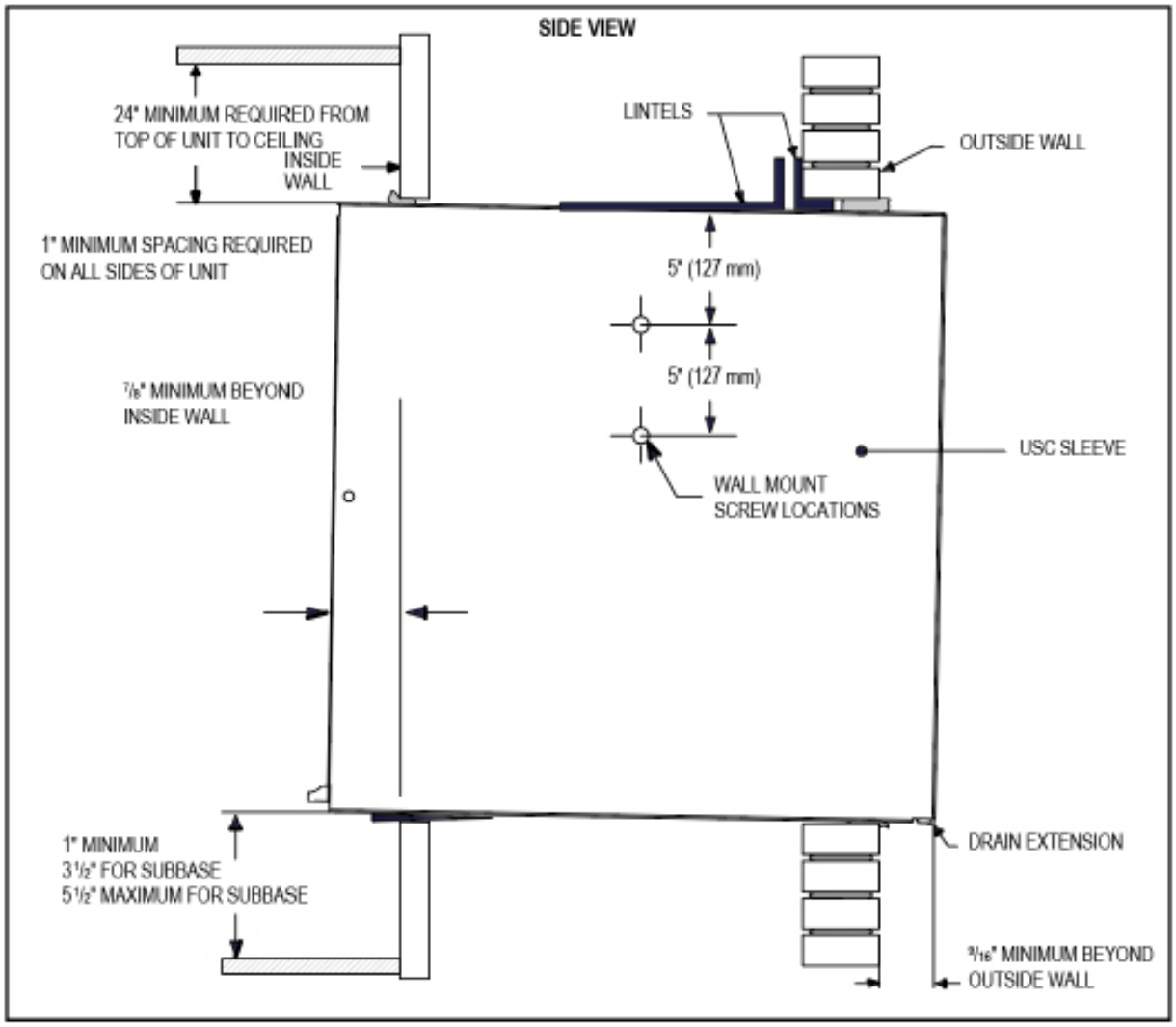


Figure C.4.1

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