

America's Best Air Conditioner

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cooling only

heat pump

electric heat models



Friedrich[®]

WallMaster[®]

Packaged terminal air conditioners
Thru-the-wall air conditioners

Friedrich WallMaster® packaged terminal air conditioners

quality and innovative design

Friedrich PTACs have been designed to be functional and aesthetically pleasing. The units have no sharp corners. They feature non-removable control knobs, an attractive, durable lock-down front panel, a return air louver that can be locked in place, and a clean, contemporary design.

A unique product in the industry, Friedrich PTACs are preferred by owner/operators who make low operating cost, ultra-quiet operation and superior guest comfort their top priorities.

Friedrich PTACs are ideal for hotel and motel rooms, healthcare facilities, offices, apartments and dormitories. Even residential add-on applications are perfect for this model.



Top-mount filter slides out for fast and easy cleaning.



design features

IDEAL REPLACEMENT CHASSIS For any 42" W x 16" H standard sleeve.

EASY CLEAN FILTER An efficient, one-piece, top mount filter. Simply slide out, clean and replace.



Controls are easy-to-read, understand and operate. Buttons and knobs can't be removed by user.

FRONT PANEL The handsome front panel is made of high strength UL94-HB high impact polystyrene that resists scratches and dents. The front panel screws down to the chassis for increased tamper resistance.

CURVED TOP Discourages use of the top of the unit as furniture, resulting in less damage.

NARROWEST PROFILE Only 18 1/2" front to back. The unit is lighter, easier to install and service, and saves valuable room space.

RECESSED BOTTOM Prevents damage from kicks and cleaning appliances.

REVERSIBLE DISCHARGE GRILLE Rugged construction won't break or warp. Its generous size allows ample airflow into the room.



Friedrich WallMaster®
PTACs are designed and built in
the U.S.

performance features

EVEN-TEMP HEAT ANTICIPATOR For more precise temperature control.

TEMPERATURE LIMITER DEVICE Installer/owner adjustable to pre-set the temperature range for even lower operating costs.

TANGENTIAL BLOWER WHEELS Made of rugged corrosion-resistant aluminum, to provide ultra quiet operation both indoors and outdoors.

ROTARY COMPRESSOR Mounted on noise absorbing vibration isolators for greater efficiency and ultra-quiet operation.

ISOLATED COMPARTMENT Shields the rotary compressor and fan motor from damage by condensate splatter.

DURABLE FLEX-DRIVE® SYSTEM Connects indoor and outdoor blower wheels, enabling both to run from one high-efficiency motor.

TWO SPEED FAN MOTOR Reliable, high efficiency motor runs both blowers, and the split capacitor design includes permanently lubricated bearings and quick disconnects.

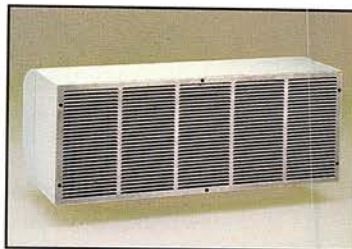
RIFLED COPPER TUBING COILS Coupled with enhanced aluminum fins, provide for state-of-the-art operating efficiency.

EMERGENCY HEAT SWITCH In the unlikely event of a compressor failure, this control will allow the user to activate electric resistance heat to maintain a suitable comfort level.

OVERCURRENT PROTECTION FUSES Standard on all 265V units.

ADDITIONAL DURABILITY Is provided through rugged metal dividing walls and a sturdy basepan.

THERMAL EFFICIENCY Is attained through the use of an insulated wall sleeve.



Standard Anodized Aluminum Louver



Optional Anodized Extruded Aluminum Architectural Grille Available in Custom Colors

options/accessories

SEACOAST PROTECTION To assure longer life in corrosive saltwater atmospheres.

REMOTE THERMOSTAT Provides manual changeover option.

CENTRAL DESK CONTROL Allows the unit to be turned on or off from a remote central station via a 24V interface. This model also includes indoor low temperature protection.

warranty and service

A FULL WARRANTY accompanies each Friedrich PTAC.

1ST YEAR Parts and labor on the entire unit.

2ND THRU 5TH YEAR Parts and labor on the entire sealed system.

2ND THRU 5TH YEAR Parts and labor on the Flex-Drive® system. See warranty document for complete details. Friedrich offers over 2,000 service agencies from coast-to-coast to ensure quick response.

IMPORTANT NOTE:

PTAC chassis, sleeves and outdoor louvers are sold and shipped separately

Friedrich WallMaster® thru-the-wall air conditioners

perfect choice

Measuring only 16 3/4" x 27", Friedrich WallMaster® thru-the-wall units are ideal for new construction, retrofits and residential remodeling. They offer ultra-quiet operation, dependable performance and the highest energy efficiency ratings. The contemporary styling and neutral color compliments any decor. WallMaster® thru-the-wall units are an exact fit for Fedders sleeves.

superior construction

Interior noise and vibrations are virtually eliminated by the extensive sound insulation. The smooth power of its rotary compressor reduces operating noise with increased efficiency. The larger blower wheel and condenser fan allow for greater movement of air at lower speeds.



features

- Residential/ Commercial application
- The most energy efficient solid side air conditioners
- Exact fit for Fedders sleeves. Measures only 27" W x 16 3/4" H
- Ultra-quiet operation
- Three-speed fan
- Mounts flush with exterior wall
- Magna-I copper coils
- Efficient rotary compressor
- Optional architectural grille for aesthetic enhancement of building exterior
- Easy-to-reach, top mount controls
- Over 2,000 service agencies in the U.S.



Friedrich WallMaster®
Thru-the-wall units are designed
and built in the U.S.

IMPORTANT NOTE:
Thru-the-wall chassis and sleeves are
sold and shipped separately

installation accessories

DK / DRAIN KIT Installed at the back of the unit and allows for attachment to permanent condensate disposal system, if disposal is necessary or desired. Heat/cool models.

SB / SUB BASE Used as a base for the unit when it is desired to place the cord and receptacle within the installation, or simply as a base for the unit when mounted low in the wall.

IDK / INTERNAL DRAIN KIT Designed for new construction application. Normal use would be with reverse cycle units that are to be drained within the wall structure, where a condensate drain system has been built into the wall interior. Primarily for heat/cool models, but may be used on cooling models.

BAK / BAFFLE ADAPTER KIT Necessary when installing in a sleeve deeper than 16 3/4". See figure below.

warranty and service

A FULL WARRANTY accompanies each Friedrich Thru-the-wall unit.

1ST YEAR Parts and labor on the entire unit.

2ND THRU 5TH YEAR Parts and labor on the entire sealed system.

See warranty document for complete details.

Friedrich offers over 2,000 service agencies from coast-to-coast to ensure quick response.

wscsleeve

STANDARD GRILLE Painted, stamped galvanized sheet metal grille. Comes standard with WSC Sleeve.

AG / ARCHITECTURAL GRILLE An optional accessory designed for use with WSC Sleeve when aesthetic enhancement of the building appearance is desired. Extruded aluminum. Not required when standard grille is used.

WSC SLEEVE / WEATHER PANEL. WSC Sleeve is shipped with painted steel exterior weather panel installed in sleeve.



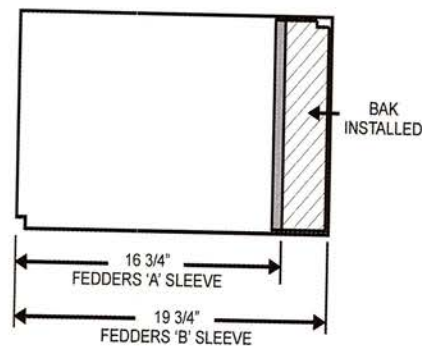
WSC Sleeve with standard grille (included)



WSC Sleeve with optional architectural grille

Exact Fit for Fedders "A" & "B" Sleeves

BAK / Baffle Adapter Kit



WallMaster® is an exact fit for the Fedders "A" sleeve (16 3/4" D) with no accessories required. To apply WallMaster® in the Fedders "B" sleeve (19 3/4" D), the BAK is required to properly channel intake and exhaust air. Failure to use the BAK voids the warranty and may result in unit failure.

Packaged terminal air conditioners

TE SERIES AIR CONDITIONER — COOLING PERFORMANCE

Model	Cooling Capacity BTU/Hr.	Electrical Characteristics (60 Hertz)			EER-Energy Efficiency Ratio	Moisture Removal Pints/Hr.	Indoor CFM	Vent CFM	Chassis Shipping Weight Lbs.
		Volts	Amps	Watts					
TEC07K	6700/6500	230/208	3.0/3.2	670/650	10.0/10.0	1.6	250/230	70	122
TEC07R	6700	265	2.6	670	10.0	1.6	250	70	122
TEC09K	9200/9100	230/208	3.8/4.0	815/795	11.0/11.0	2.2	310/290	70	129
TEC09R	9200	265	3.7	815	11.0	2.2	310	70	129
TEC12K	11700/11500	230/208	5.1/5.6	1170/1150	10.0/10.0	3.0	400/380	80	135
TEC12R	11700	265	4.6	1195	9.8	3.0	400	80	135
TEC15K	14400/14200	230/208	7.3/7.9	1565/1540	9.2/9.2	4.0	420/400	80	135
TEC15R	14400	265	6.0	1565	9.2	4.0	420	80	135

TH SERIES HEAT PUMP — HEATING/COOLING PERFORMANCE

Model	Cooling Capacity BTU/Hr.	Heating Capacity BTU/Hr.	Electrical Characteristics (60 Hertz)				EER-Energy Efficiency Ratio		Moisture Removal Pints/Hr.	Indoor CFM	Vent CFM	Chassis Shipping Weight Lbs.	
			Volts	Cooling Amps	Heating Amps	Cooling Watts	Heating Watts	C.O.P.					
THC07K	6700/6500	6300/6100	230/208	3.0/3.2	2.7/2.9	670/650	615/595	10.0/10.0	3.0/3.0	1.6	250/230	70	124
THC07R	6700	6300	265	2.6	2.4	670	615	10.0	3.0	1.6	250	70	124
THC09K	9200/9100	8000/7800	230/208	3.8/4.0	3.3/3.6	815/795	735/715	11.0/11.0	3.2/3.2	2.2	310/290	70	131
THC09R	9200	8000	265	3.7	3.6	815	735	11.0	3.2	2.2	310	70	131
THC12K	11700/11500	11300/11100	230/208	5.1/5.6	4.6/5.0	1170/1150	1035/1015	10.0/10.0	3.2/3.2	3.0	400/380	80	137
THC12R	11700	11300	265	4.6	4.0	1195	1035	9.8	3.2	3.0	400	80	137
THC15K	14300/14100	13300/13100	230/208	7.3/7.9	5.5/6.0	1555/1530	1260/1240	9.2/9.2	3.1/3.1	4.0	420/400	80	137
THC15R	14300	13300	265	6.0	4.9	1555	1260	9.2	3.1	4.0	420	80	137

TE/TH SERIES — ELECTRIC HEATING DATA

Model	Voltage	Heater Watts	Heating Capacity BTU/Hr.	Heating Power Watts	Heating Current Amps	Minimum Circuit Ampacity	Branch Circuit Fuse Amps
TE/THC07K	230/208	2500/2050	8500/7000	2600/2150	11.4/10.4	14.1	15
		3400/2780	11600/9500	3500/2880	15.3/13.9	19.0	20
TE/THC07R	265	2500	8500	2590	9.8	12.2	15
		3400	11600	3490	13.2	16.4	20
TE/THC09K TE/THC12K	230/208	2500/2050	8500/7000	2710/2260	11.5/10.5	14.3	15
		3400/2780	11600/9500	3610/2990	15.4/14.0	19.1	20
		5000/4090	17000/13900	5210/4300	22.3/20.3	27.8	30
TE/THC09R TE/THC12R	265	2500	8500	2710	10.0	12.3	15
		3400	11600	3610	13.4	16.6	20
		5000	17000	5210	19.5	24.2	30
TE/THC15K	230/208	2500/2050	8500/7000	2740/2290	11.7/10.7	14.4	15
		3400/2780	11600/9500	3640/3020	15.6/14.2	19.3	20
		5000/4090	17000/13900	5240/4330	22.5/20.5	27.9	30
TE/THC15R	265	2500	8500	2740	10.1	12.5	15
		3400	11600	3640	13.5	16.7	20
		5000	17000	5240	19.6	24.3	30

INSTALLATION INFORMATION FOR PTAC SLEEVE

Sleeve Dimensions				Finished Hole	
Height	Width	Depth	Overall Depth Sleeve w/front	Height	Width
16"	42"	11 1/2"	18 1/2"	16 1/4"	42 1/4"



Thru-the-wall air conditioners

COOLING PERFORMANCE

Model	Cooling Capacity BTU/Hr.- AHAM	Electrical Characteristics (60 Hertz)			EER-Energy Efficiency Ratio AHAM	Moisture Removal Pints/Hr.	Air Circulation CFM	Chassis Shipping Weight Lbs.
		Volts	Amps AHAM	Watts				
COOLING ONLY								
WS07A10D	7000	115	6.7	735	9.5	1.4	260	93
WS09A10D	9000	115	9.0	980	9.2	2.1	260	103
WS12A10D	11500	115	11.5	1280	9.0	2.9	290	112
WS09A30D	9000/8800	230/208	4.5/4.9	980/980	9.2/9.0	2.1	260	101
WS12A30D	11500/11300	230/208	5.7/6.3	1280/1255	9.0/9.0	2.9	290	109
WS13A30D	12500/12300	230/208	6.3/6.8	1435/1415	8.7/8.7	4.0	250	119
HEAT PUMPS								
WY09A33D	Cool: 9000/8800	230/208	4.5/4.8	1000/980	9.0/9.0	2.1	270	107
WY12A33E	Cool: 11300/10900	230/208	5.8/6.2	1315/1280	8.6/8.5	2.9	290	116
ELECTRIC HEAT								
WE09A33D	Cool: 9000/8800 Heat: 11000/9100	230/208	4.5/4.9 16.0/14.7	980/980 3550/2950	9.2/9.0	2.1	260	103
WE12A33D	Cool: 11500/11300 Heat: 11000/9100	230/208	5.7/6.3 16.0/14.7	1280/1255 3550/2950	9.0/9.0	2.9	290	111
WE13A33D	Cool: 12500/12300 Heat: 11000/9100	230/208	6.3/6.8 16.0/14.7	1435/1415 3550/2950	8.7/8.7	4.0	250	121

HEAT PUMP — HEATING PERFORMANCE

Model		BTU/Hr.	Watts	Amps	C.O.P.	EER
		WY09A33D	AHAM certified @ 47° F outdoor ambient. Below 47° F ambient.	8200/8200 11000/9100	870/840 3550/2950	4.1/4.2 16.0/14.7
WY12A33E	AHAM certified @ 47° F outdoor ambient. Below 47° F ambient.	10800/10500 11000/9100	1200/1165 3550/2950	5.4/5.7 16.0/14.7	2.6/2.6	9.0/9.0

• 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.

• Change-over from heat pump operation to resistance operation on models indicated is automatic at a preset outside temperature as shown in the table.

• If condensate disposal is desired, an optional drain kit is available.

DEFROST CONTROL: Temperature indicated (below 20° F at outdoor coil) and temperature terminated at 43° F. 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 in indoor base pan for defrost condensate disposal.

INSTALLATION INFORMATION FOR WSC SLEEVE

Sleeve Dimensions				Finished Hole		Minimum Extension into room w/front	Minimum Outside Extension
Height	Width	Depth Overall	Overall Depth Sleeve w/front	Height	Width		
16 ³ / ₄ "	27"	16 ³ / ₄ "	23"	17 ¹ / ₄ "	27 ¹ / ₄ "	7 ¹ / ₂ "	9 ¹ / ₁₆ "

NOTE: Sleeve must be mounted a minimum of 3¹/₂" from the floor and a minimum of 24" below ceiling. See installation instructions No. 920-007-02.

PLUG FACE — NEMA

Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Appearance (Facing Blades)
WS07A10D, WS09A10D, WS12A10D	125V - 15A	5 - 15P	⊕
WS09A30D, WS12A30D, WS13A30D	250V - 15A	6 - 15P	⊕
WE09A33D, WE12A33D, WE13A33D WY09A33D, WY12A33E	250V - 20A	6 - 20P	⊕



Supply Cord - All With Right Angle Plug 6' on 115V; 5' on 230/208V



**Friedrich...
innovative
products known
worldwide for
quality, efficiency
and dependability**

packaged terminal air conditioners,
thru-the-wall air conditioners
vertical single package air conditioners
room air conditioners
ductless split systems
electronic air cleaners

As a leading specialty manufacturer, Friedrich focuses exclusively on manufacturing innovative air treatment products that exceed the rigorous standards of a highly competitive marketplace.

In over 160 countries around the world – in hotels and motels, commercial buildings and in residential applications— Friedrich products provide unparalleled comfort, convenience and value.



Friedrich®

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