

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

| ITEM | PLAN DESIGNATION | QUANTITY | COOLING BTU/H | VOLTAGE | FRIEDRICH MODEL |
|------|------------------|----------|---------------|---------|-----------------|
|      |                  |          |               |         |                 |
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### Comfort & Convenience

- Commercial grade durability
- Optional wired wall thermostat
- Built-in programmable 7 day thermostat
- 24 hr. timer
- 3 cooling, heating and fan-only speeds
- Automatic temperature and fan speed adjustment
- Comfortwatch technology samples the air to more accurately maintain the set temperature
- 8-way air flow control
- Auto-changeover from cool to heat, or heat to cool, to maintain desired temperature
- Optional control panel lockout
- Scratch resistant cabinet
- LCD panel auto dims if not in use
- Nightlight mode
- 7 yr. battery provides back up system that saves settings if power is interrupted

### Superior Sound Reduction Technology

- Steel inner wall and extra dense insulation materials block outdoor noise
- Vibration isolating design and components diminish traditional operating noise
- Precision engineering maximizes air flow while delivering ultraquiet operation

### Superior filtration

- Superior fresh air intake and stale air exhaust vent
- Washable, antimicrobial air filter
- Optional premium filter when used in conjunction with standard filter provides superior air filtration with ratings as high as MERV 6, while also adsorbing odors and reducing ozone and VOCs
- Hinged door for easy filter access
- Electronic maintenance indicators include check filter reminder and error code storage

### Installation Features

- Install in a window\* or thru-the-wall
- Slide-out chassis
- Power cord can run either left or right
- Firm grip handles for easier chassis installation and removal
- Front cover attaches easily and securely. Nut driver included.

### Earth Friendly

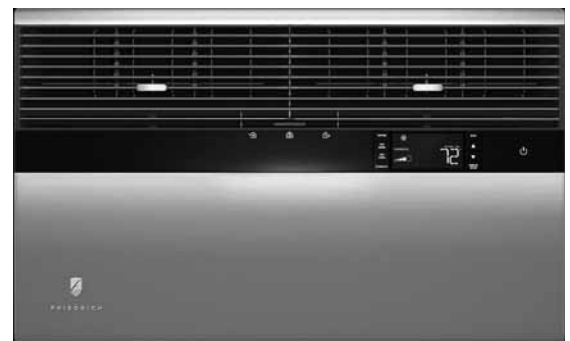
- Auto Fan mode saves money by conserving energy
- 4 ENERGY STAR® qualified models
- Environmentally-friendly R-410A refrigerant used in all models
- Recyclable packaging
- RoHS compliant

### Safety & Security Features

- EntryGard anti-intrusion protection- steel retaining wire secures the chassis to the sleeve to deter 'kick-in' intrusion
- Electrical current protected powercord
- Insect barrier
- Protective rear grille

### Accessories (sold separately)

- Optional designer colored front covers
- 3 pack of premium carbon filters
- Kühl + window installation kits
- Wall thermostat



\*Requires optional window kit. Kits listed on back.

## Specifications

★ ENERGY STAR® qualified

| Model                       | Cooling Capacity Btu | Heating Capacity Btu | Volts Rated | Cooling Amps | Cooling Watts | Heating Amps | Heating Watts | COP | Energy Efficiency Ratio EER | Estimated Yearly Operating Cost | Moisture Removal Pints/HR | Room Side Air Circulation CFM | Sleeve | Net Weight Lbs |
|-----------------------------|----------------------|----------------------|-------------|--------------|---------------|--------------|---------------|-----|-----------------------------|---------------------------------|---------------------------|-------------------------------|--------|----------------|
| <b>Kühl + Heat Pump</b>     |                      |                      |             |              |               |              |               |     |                             |                                 |                           |                               |        |                |
| ★ YS10M10*                  | 9500                 | 7500                 | 115         | 7.8          | 812           | 7.6          | 743           | 3.0 | 11.7                        | \$65                            | 1.9                       | 285                           | S      | 109            |
| ★ YS12M33                   | 12100/12100          | 9400/9000            | 230/208     | 5.2/5.4      | 1120/1120     | 5.6/5.8      | 1132/1139     | 2.4 | 10.8/10.8                   | \$89                            | 3.0                       | 265                           | S      | 115            |
| ★ YM18M34                   | 18200/17800          | 15500/15400          | 230/208     | 8.5/8.9      | 1838/1798     | 8.5/8.7      | 1833/1761     | 2.6 | 9.9/9.9                     | \$147                           | 5.4                       | 370                           | M      | 141            |
| ★ YL24M35                   | 24000/23600          | 23500/23200          | 230/208     | 11.1/12.0    | 2474/2433     | 12.2/14.3    | 2610/2575     | 2.6 | 9.7/9.7                     | \$198                           | 7.0                       | 600                           | L      | 197            |
| <b>Kühl + Electric Heat</b> |                      |                      |             |              |               |              |               |     |                             |                                 |                           |                               |        |                |
| ES12M33                     | 11700/11200          | 10700/8900           | 230/208     | 4.8/4.9      | 1026/982      | 16.0/14.7    | 3500/2900     | —   | 11.4/11.4                   | \$82                            | 2.8                       | 275                           | S      | 113            |
| ES15M33                     | 14500/14300          | 10700/8900           | 230/208     | 6.4/6.8      | 1405/1385     | 16.0/14.7    | 3500/2900     | —   | 10.3/10.3                   | \$112                           | 3.5                       | 360                           | S      | 117            |
| EM18M34                     | 17500/17200          | 13000/10600          | 230/208     | 7.4/8.0      | 1635/1617     | 19.5/17.0    | 4200/3500     | —   | 10.7/10.7                   | \$131                           | 4.6                       | 350                           | M      | 141            |
| EM24M34                     | 23500/23300          | 13000/10600          | 230/208     | 11.2/11.9    | 2500/2479     | 19.5/17.0    | 4200/3500     | —   | 9.4/9.4                     | \$200                           | 10.0                      | 390                           | M      | 153            |
| EL36M35                     | 36000/35700          | 17300/14300          | 230/208     | 19.0/20.5    | 4235/4200     | 24.0/22.4    | 5500/4650     | —   | 8.5/8.5                     | \$338                           | 12.0                      | 725                           | L      | 213            |

## Installation Information / Sleeve Dimensions

| Sleeve | Height    | Width     | Depth with Front | Shell Depth to Louvers | Minimum Extension Into Room* | Minimum Extension Outside* | Window Width |         | Thru-the-wall Installation Finished Hole |          |              |
|--------|-----------|-----------|------------------|------------------------|------------------------------|----------------------------|--------------|---------|------------------------------------------|----------|--------------|
|        |           |           | A                | B                      |                              |                            | Minimum**    | Maximum | Height                                   | Width    | Max. Depth C |
| S      | 15 15/16" | 25 15/16" | 29"              | 8 3/4"                 | 5 3/4"                       | 16 15/16"                  | 27 3/8"      | 42"     | 16 3/16"                                 | 26 3/16" | 7 3/8"       |
| M      | 17 15/16" | 25 15/16" | 29"              | 8 3/4"                 | 5 3/4"                       | 16 15/16"                  | 27 3/8"      | 42"     | 18 3/16"                                 | 26 3/16" | 7 3/8"       |
| L      | 20 3/16"  | 28"       | 35 1/2"          | 16 1/2"                | 5 3/8"                       | 18 15/16"                  | 29 7/8"      | 42"     | 20 3/8"                                  | 28 1/4"  | 15 1/8"      |

\* Minimum extensions when mounted in a window.

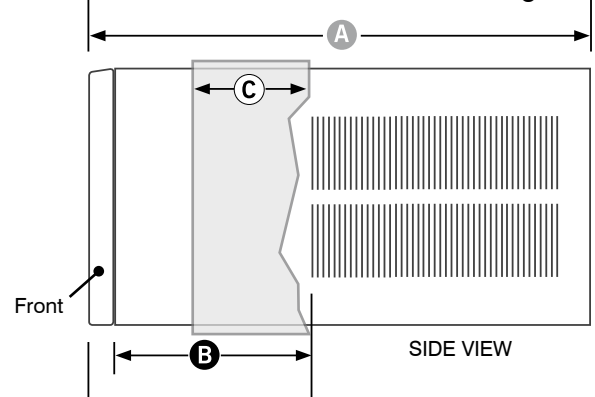
\*\* Minimum widths achieved using one side curtain assembly as opposed to both in a standard installation.

NOTE: S, M and L sleeves may be installed in window with no side kits if properly installed.

## Circuit Rating/ Breaker

| Model                                                    | Circuit Rating Breaker or T-D Fuse | Plug Face (NEMA#) | Power Cord Length (ft.) | Wall Outlet Appearance                                                              |
|----------------------------------------------------------|------------------------------------|-------------------|-------------------------|-------------------------------------------------------------------------------------|
| YS10M10.                                                 | 125V - 15A                         | 5 - 15P           | 6                       |  |
| ES12M33 and ES15M33.<br>YS12M33.                         | 250V - 20A                         | 6 - 20P           | 4                       |  |
| EM18M34, EM24M34 and<br>EL36M35. YM18M34 and<br>YL24M35. | 250V - 30A                         | 6 - 30P           | 4                       |  |

## Sleeve Dimensions Drawing



## Premium Carbon Filters (3 pack)

| Model                 | Kit No. |
|-----------------------|---------|
| All ES and YS Models  | KWCFS   |
| All EM and YM Models  | KWCFM   |
| All EL and YL Models. | KWCFL   |

## Window Mounting Kits

| Heat/Cool Models                       | Kit No. |
|----------------------------------------|---------|
| ES12M33, ES15M33, YS10M10 and YS12M33. | KWIKS   |
| EM18M34, EM24M34, YM18M34.             | KWIKM   |
| EL36M35 and YL24M35.                   | KWIKL   |

NOTE: Kits are required for window installation.

\* Operates on 115 volt and is not equipped with supplemental heat. Will not provide heat at temperatures below 40°F. Friedrich room air conditioners are designed to operate in outdoor temperatures from 60° F to 115° F.

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.

The consumer- through the AHAM Room Air Conditioner Certification Program- can be certain that the AHAM Certification Seal accurately states the unit's cooling and heating capacity rating, the amperes and the energy efficiency ratio.

Estimated yearly operating cost based on a 2007 national average electricity cost of 10.65 cents per kWh.

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

