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You can read the recommendations in the user guide, the technical guide or the installation guide for FRIGIDAIRE FRA25ESU2. You'll find the answers to all your questions on the FRIGIDAIRE FRA25ESU2 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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Installation Instructions

For Medium (15,000-18,500 BTU) + Heavy duty (22,000-28,500 BTU) Air Conditioner
READ BEFORE INSTALLING UNIT

INSTALLATION WARNINGS AND CAUTION

- ★ Carefully read the installation manual before beginning.
- ★ Follow each step as shown.
- ★ Observe all local, state, and national electrical codes and by qualified, licensed, authorized personnel only.
- ★ Pay attention to danger and safety notices. To avoid risk of personal injury, property damage, or product damage due to the weight of this device and sharp edges that may be exposed.
- ★ Air conditioners covered in this manual pose an excessive weight hazard. Two or more people are needed to move and install the unit. Wear protective gloves whenever lifting or carrying the unit. AVOID the sharp metal fins of front and rear coils. To prevent injury or strain, use proper lifting and carrying techniques when moving unit.
- ★ Carefully inspect location where air conditioner will be installed. Be sure it will support the weight of the unit over an extended period of time.
- ★ Handle air conditioner with care.
- ★ Make sure air conditioner does not fall during installation.
- ★ If a new electrical outlet is required, have the outlet installed by a qualified electrician before installing unit.

NOTE: DO NOT USE ANY SCREWS OTHER THAN THOSE SPECIFIED HERE.

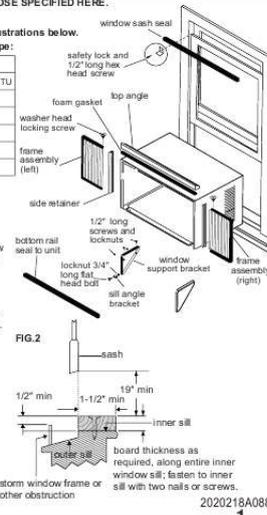
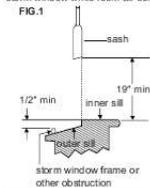
Preliminary instructions:

Do the following before starting to install unit. See illustrations below.

Check dimensions of your unit to determine model type:

	Heavy duty	Medium
Capacity	22,000-28,500 BTU	15,000-18,500 BTU
Unit Height	18-5/8"	17-5/8"
Unit Width	26-1/2"	23-5/8"
Min. Window Opening	19-1/2"	18-1/2"
Min. Window Width	31"	26-1/2"
Max. Window Width	42"	40-1/2"

1. **Check window opening size:** the mounting parts furnished with this air conditioner are made to install in a wooden sill double-hung window. The standard parts are for window dimensions listed above. Open sash to a minimum of 19" (483mm), (FIG. 1)
2. **Check condition of window:** all wood parts of window must be in good shape and able to firmly hold the needed screws. If not, make repairs before installing unit.
3. **Check your storm windows:** if your storm window frame does not allow the clearance required, correct by adding a piece of wood as shown (FIG. 2), or by removing storm window while room air conditioner is being installed.



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Manual abstract:

Pay attention to danger and safety notices. be exposed: Carefully inspect location where air conditioner will be inst period of time. Handle air conditioner with care. NOTE: DO NOT USE ANY SCREWS OTHER THAN THOSE SPECIFIED HERE. Preliminary instructions: Do the following before starting to install unit. See illustrations below. Check dimensions of your unit to determine model type: Heavy duty Capacity: Unit Height: Unit Width: Min. Window Opening: Min. Window Width: Max. Window Width: frame assembly washer head Medium window sash seal long hex head screw top angle 1.

@@The standard parts are for window dimensions listed above. Open sash to 2. @@Check your storm windows: side retainer long screws and bottom rail seal to unit window long flat head bolt sill angle frame assembly storm window while room air conditioner is being installed. FIG.1 sash FIG. 2 sash inner sill outer sill outer sill storm window frame or other obstruction storm window frame or other obstruction inner sill window sill; fasten to inner sill with two nails or screws. 1 Installation Instructions 4. Check for anything that could block airflow will not stop proper air flow. 5. @@@@Carefully unpack air conditioner 115V 15A 230V 15A 230V 20A window support brackets) 230V 30A Do not, under any circumstances, cut, remove or bypass the grounding prong.

HEAVY DUTY (22,000~28,500BTU) FIG.3 Tools Required tape measure adjustable wrench or pliers pencil Socket wrenches 7 1 and locknut 10 4 ea weather seals panhead and Locknut foam insert 2 Installation Instructions Window 1 Mounting Remove Air Conditioner from Cabinet NOTE: Remove any packaging material from cabinet exterior. 1. Pull down on front grille from upper edge. Lift front grille upwards and place to one side. (See FIG.1) 2. Remove filter. To remove, grasp in the middle on each side. Bow filter out to detach top edge from tabs.

Once top is free, lift filter up and out. FIG.2 FIG.1 Front Grille 3. Locate the four Front Panel screws and remove. These screws will be needed to re-install the Front Panel later (See FIG.2) 4. Push metal cabinet side inward to release plastic tabs on each side of Front Panel (see Fig. 3). 5.

Rotate Front Panel up until top tabs are free. Pull panel straight out. @@Depress latch on electronics plug (on some models) to disconnect. 6. Remove Front Panel from unit (see Fig.

4). FIG.3 FIG.4 base pan handle 7. @@(See FIG.

5) 8. @@4), and carefully remove the air conditioner from cabinet. 9. @@(See FIG.6) 10. @@@@ (See FIG.7) 11. Remove plastic wrapping from all points on power cord. FIG.7 FIG.

5 shipping Shipping Packaging screws FIG.6 Plastic tie 2 Install Top Angle Rail and Side Retainers 1. Remove adhesive strip coating from foam gasket. Attach adhesive side of gasket to bottom of top angle rail. Insert 4 screws from inside of cabinet and secure to top angle rail. FIG.8 Top angle rail 2. From inside of cabinet insert 3 screws to attach each side retainer as shown in Fig. 8. Attach side retainers with flat side against cabinet and angled edge toward rear of cabinet.

3 Assemble Window Filler Panels 1. Place cabinet on floor, a bench, or a table. 2. Slide "I" section at end of window filler panel into side retainer on each side of the cabinet (see FIG. 9 and FIG.

10). Foam Gasket 3. On each side of cabinet, insert top and bottom legs of window filler panel frame into channel in the top and bottom angle rails. 4. Insert a 7/16" locking screw and flat washer into hole on top leg of each window filler panel (see section 6).

Do not totally tighten. Allow leg to slide freely. Screws will be tightened after Section 6. 3 Installation Instructions T P TOP "I WINDOW TAINER 4 Place Cabinet in Window 1 P FIG.11 For wooden window: Y For Vinyl-Clad window: FIG.13A FIG.12 HEX-HEAD SCREW B A FIG.13B C 5 Install Support Bracket T T FIG.14 FIG.15B .

SCREWS AT T RT FIG.15A 4 Installation Instructions 6 Extend Window Filler Panels and attach to top angle rail: 1. @@Loosen screws so filler panels slide easily. 2. Extend panels to fill window opening completely. Tighten locking screws on top (FIG. 16). 3. Close window behind top angle rail. 4.

@@@17). FIG.16 FIG. @@@18A A Window Sash B FIG. 18B weather seals 1.

Extend the window filler panels out against the window frame. 2. @@@18A and Fig. 18B). @@@1.

Trim window sash seal to fit window width. @@@19). B. left-hand Window Filler 2. Attach right angle safety lock to top window sash as A. Panel Top Leg shown (FIG.20). screw C. Window channel 3. @@@See Fig.

18B. FIG. @@@Lift air conditioner and carefully slide into cabinet. 2. CAUTION: Do not push on controls OR finned coils. 3. Be sure air conditioner is firmly seated towards rear of cabinet. 4. Reconnect electronics plug if present. @@@@5.

Insert air conditioner filter. @@@@ (Measure twice remember...) Frame depth should be the same as wall thickness.

Fill in the space from the opening to the studs with wood spacers, as shown. 5. Nail frame to spacers to spacers with front flush with dry wall. NOTE: If wall thickness is 8-1/2" or more, add aluminum flashing over bottom of frame opening to assure no water can enter area between inner and outer wall. NAIL SPACERS TO STUDS FIG.

3 FIG.4 CAULK AS REQUIRED LEVEL ALUMINUM FLASHING OVER BOTTOM OF FRAME 3 Prepare and Install Cabinet 1. @@@2. @@@3. Position cabinet to achieve proper downward tilt for water removal. @@@(See FIG.5 below.) the channel resting on frame. @@@@See Fig. 7.

5. @@@See Fig. 8. Remember to maintain proper tilt as described in Step 3. 7 Installation Instructions FIG.7 FIG.8 Support bracket Sill angle bracket Wooden strip 6. Install air conditioner into cabinet by following all steps in Step 9 of Window Mounting. OPTIONAL: Caulking and installation of trim on interior wall may be done. You can buy wood from your local lumber or hardware supply.

On the outside, caulk openings around top and sides of cabinet, and all sides of wood sleeve to the opening. NOTE: See Step 5, Item 4 of Window Mounting Instructions for bottom rail seal location. Masonry Construction 1. @@@@3 of Step 2 Prepare Wall. Securely anchor frame to 3.

Install a lintel to support masonry wall above cabinet. @@@Be sure that side louver clearance is in accordance with Step 1 Select Wall Location. 4. Install exterior cabinet support brackets as shown in Step 3 of Thru-the-Wall Installation. Caulk or flash if needed, to provide a weather-tight seal around top and sides of cabinet.

5. To complete installation, apply wood trim molding around room side projection of cabinet. 8 .



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