



Installation Instructions

Part No. 30XV70000301, 30XV70000401, 30RC70001201

SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment locations (such as a roof or elevated structure).

Only trained, qualified installers and service technicians should install, start-up, and service this equipment.

When installing this accessory, observe precautions in the literature and on any labels attached to the equipment, and all other safety precautions that may apply.

- Follow all safety codes.
- Wear safety glasses and work gloves.
- Use care in handling and installing this accessory.

⚠ WARNING

Electrical shock can cause personal injury and death. Shut off all power to this equipment during installation. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed.

INTRODUCTION

The accessory security grille packages help to prevent unit damage by debris or vandalism on the 30XV and 30RC units. See Tables 1 and 2 for accessory package usage of 30XV and 30RC units, respectively. See Table 3 for accessory contents.

Check items for shipping damage. If any damage is found, immediately file a claim with the shipping agent. If any item is missing or if any part does not assemble properly, notify your Carrier distributor.

⚠ CAUTION

To avoid damage to the refrigerant coils and electrical components, use extreme care when drilling screw holes and screwing in fasteners.

Field-Supplied Material

- Zinc-rich paint

Table 1 — 30XV Accessory Package Usage

30XV UNIT SIZE AND TIER		NO. OF PACKAGE(S) REQUIRED FOR ACCESSORY PART NO.	
Size	Tier ^a	30XV70000301	30XV70000401
140	Std	1	0
	Mid	1	0
	High	1	1
160	Std	1	0
	Mid	1	1
	High	1	2
180	Std	1	0
	Mid	1	1
	High	1	2
200	Std	1	1
	Mid	1	2
	High	1	3
225	Std	1	1
	Mid	1	2
	High	1	3
250	Std	1	2
	Mid	1	3
	High	1	4
275	Std	1	2
	Mid	1	3
	High	1	4
300	Std	1	3
	Mid	1	4
	High	1	5
325	Std	1	4
	Mid	1	5
	High	1	6
350	Std	1	4
	Mid	1	5
	High	1	6
400	Std	1	5
	Mid	1	6
	High	1	7
450	Std	1	6
	Mid	1	7
	High	1	8
500	Std	1	7
	Mid	1	8

NOTE(S):

- a. Standard, medium, or high tier is represented by an S, M, or H in the 10th position of the unit model number.

Table 2 — 30RC Accessory Package Usage

30RC UNIT SIZE	NO. OF PACKAGE(S) REQUIRED FOR ACCESSORY PART NO.	
	30RC70001201	30XV70000401
065	1	0
067	1	0
070	1	0
072	1	0
080-C ^a	1	0
080	1	1
082	1	0
090	1	1
092-C ^a	1	0
092	1	1
100	1	1
102-C ^a	1	0
102	1	1
110	1	1
112	1	1
120-C ^a	1	1
120	1	2
122-C ^a	1	1
122	1	2
130	1	2
132-C ^a	1	1
132	1	2
150	1	2
152-C ^a	1	1
152	1	2
162-C ^a	1	2
162	1	3
182-C ^a	1	3
182	1	4
202-C ^a	1	3
202	1	4
232-C ^a	1	4
232	1	5
252-C ^a	1	4
252	1	5

NOTE(S):

- a. Compact units are represented by a "C" in the 10th position of the unit model number.

Table 3 — Accessory Contents

ACCESSORY PART NO.	DESCRIPTION	ITEM NO.	QTY
30XV70000301	Side Upright, 30XV50061901	1	6
	Horizontal Support Channel, 30XV40036701	2	1
	Control Box Angle Support, 30XV50124201	3	1
	Side End Grille, 30XV50036601	5	4
	Side Grille, 30XV50036701	6	4
	End Grille, 30XV50036801	7	2
	Control Box Grille, 30XV50122901	8	1
	Screws, 00PPN500000304A	10	140
30RC70001201	Side Upright, 30XV50061901	1	2
	Horizontal Support Channel, 30XV40036701	2	1
	Side End Grille, 30XV50036601	5	4
	End Grille, 30XV50036801	7	2
	Screws, 00PPN500000304A	10	95
	Control Box Grille, 2003128801	11	1
	Control Box Grille, 2003128802	12	1
	Control Box Grille, 2003128813	13	1
	Control Box Grille, 2003123125	14	1
	Control Box Grille, 2003123132	15	1
	Control Box Angle Support, 2003120709	16	1
	Screw, 00PPN500000301A	17	4
30XV70000401	Side Upright, 30XV50061901	1	2
	Side Grille, 30XV50036701	6	2
	Screws, 00PPN500000304A	10	30

INSTALLATION

NOTE: Not all panels in kit will be used for every unit size.

1. Disconnect all power to unit.
2. Attach side uprights (Item 1) between each V section on both sides of unit. Use 2 screws (Item 10) at the top and 2 screws at the bottom (Item 10) to attach each upright to unit. See Fig. 1.

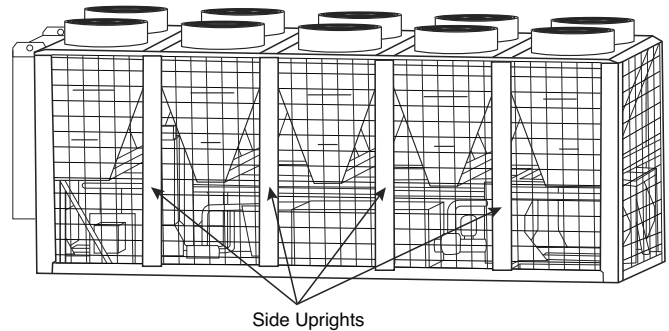
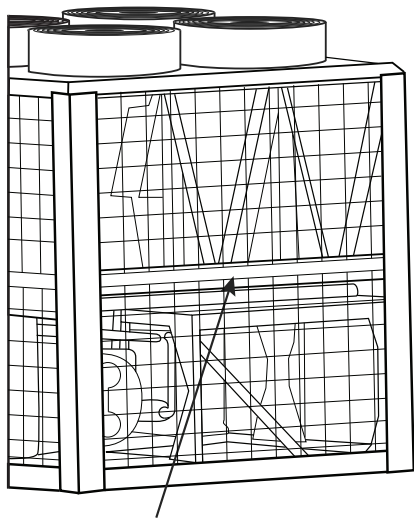


Fig. 1 — Installation of Side Uprights

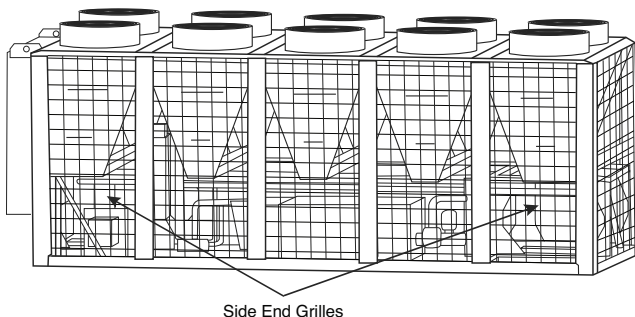
3. Attach horizontal support channel (Item 2) to end of unit opposite the control box, using 2 screws (Item 10) on each side. See Fig. 2.



Horizontal Support Channel

Fig. 2 — Installation of Horizontal Support Channel

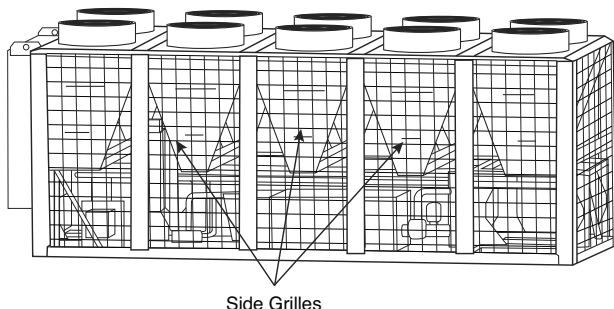
4. Attach side end grilles (Item 5) to the end V sections on both sides of unit (nearest the end at the four corners). Use 4 to 5 screws (Item 10) on each side of each grille, placing screws between the grille rods that are spaced closely together. See Fig. 3.



Side End Grilles

Fig. 3 — Installation of Side End Grilles

5. Install side grilles (Item 6) to the end V sections on both sides of unit to cover the area between the side end grilles, placing screws (Item 10) between grille rods that are spaced closely together. See Fig. 4.

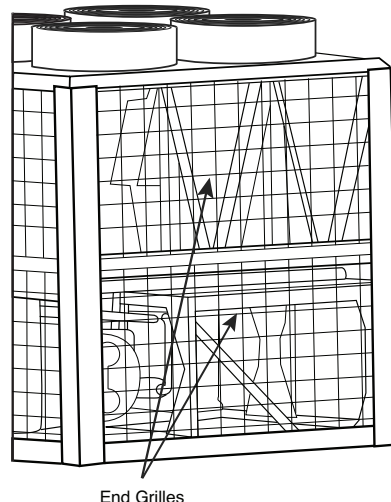


Side Grilles

Fig. 4 — Installation of Side Grilles

6. Attach end grilles (Item 7) to the upper and lower section of the end of unit. For each side of each grille, use 5 screws (Item 10) on top, 5 screws (Item 10) on bottom, and 1 screw (Item 10) for each side. Place screws between the grille rods that are spaced closely together. See Fig. 5.

7. On 30XV units, cut grille rods on lower end grille as required to provide opening for chilled water lines. On 30RC units equipped with partial heat recovery system, cut grille rods on upper end grille as required to provide opening for hot water lines. See Fig. 5. Coat ends of cut rods with zinc-rich paint to protect against rust.



End Grilles

Fig. 5 — Installation of End Grilles

8. Attach control box angle support, if required, and grille(s), if required, to the control box end of unit.

For 30XV units:

- a. On unit sizes 140 to 325, attach angle support (Item 3) to the control box support bracket using 2 screws (Item 10). See Fig. 6. The angle support is not required for unit sizes 350 to 500.
- b. On unit sizes 140 to 325, attach control box grille (Item 8) using 3 screws (Item 10) on the right side and 2 screws (Item 10) on the left side. Place screws between the grille rods that are spaced closely together. See Fig. 7. The control box grille is not required for unit sizes 350 to 500.

Control Box Support Bracket (3)

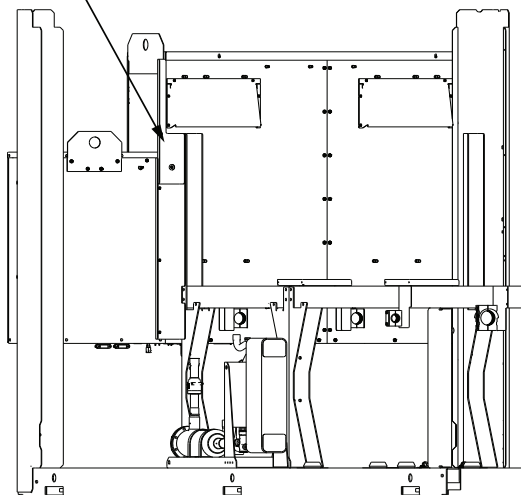


Fig. 6 — 30XV Control Box Bracket

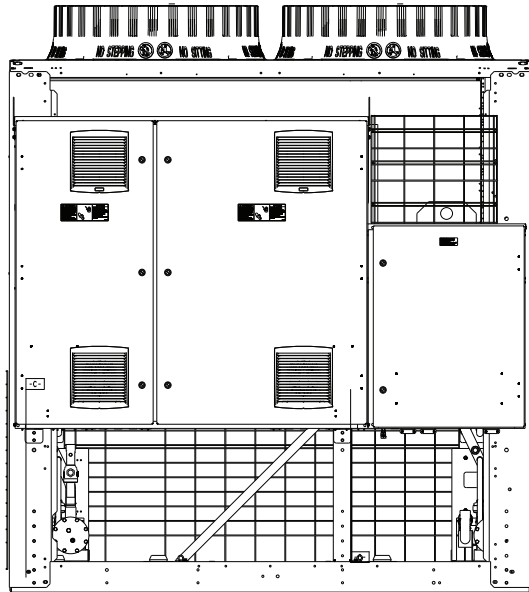


Fig. 7 — 30XV Control Box Grille

For 30RC units:

- Refer to Fig. 9 to determine which control box the 30RC unit is utilizing.
- For units with large main control box, attach the angle support (Item 16) to the control box support bracket using 4 screws (Item 17). See Fig. 8. The angle support is not required for units with any other control box size.
- For units with small main control box, attach control box grilles (Items 11 and 12). For units with small main with side box control box, attach control box grilles (Items 11 and 13). For units with large main control box, attach control box grilles (Items 14 and 15). For units with large main with side box control box, attach control box grille (Item 14). In all cases, attach control box grilles using screws (Item 10) and place screws between the grille rods that are spaced closely together. Reference Fig. 9 for grille location and number of screws (Item 10) needed for each control box size.

- When all grilles are installed and properly fastened, restore power to unit.

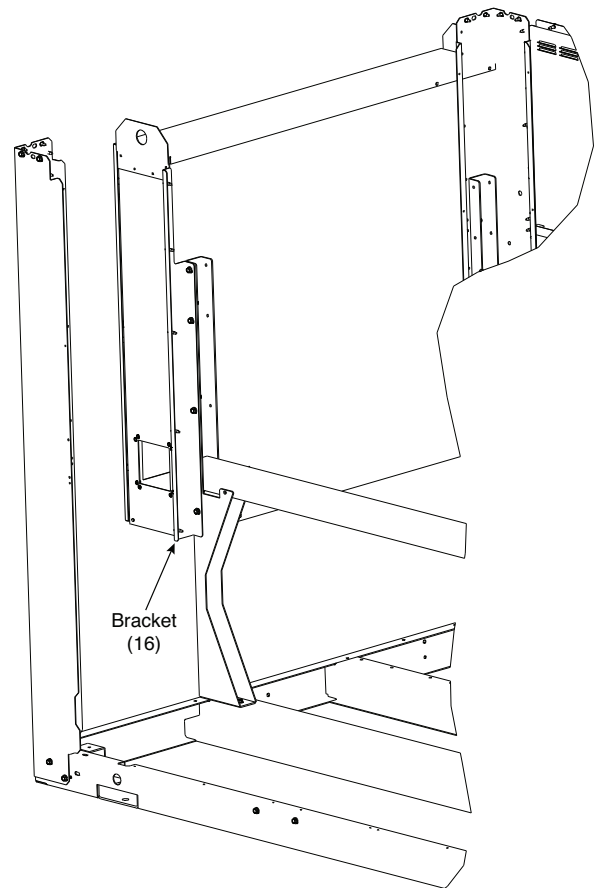
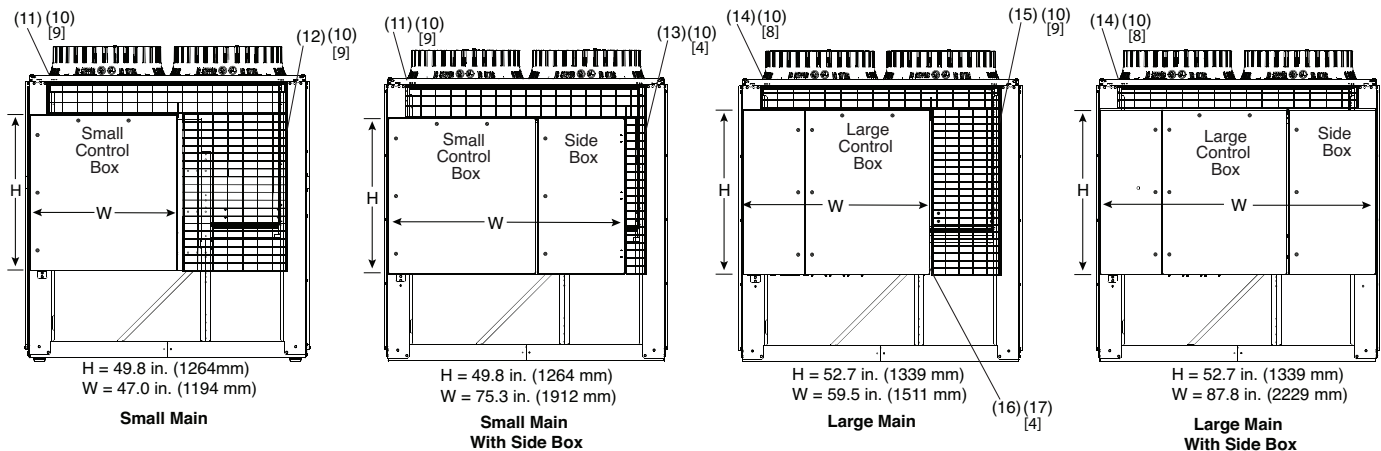


Fig. 8 — 30RC Large Main Control Box Bracket



NOTE: Numbers in [] represent the required quantity of Item 10 and Item 17 screws.

Fig. 9 — Control Box Size and Grill Location