

# Flush Mounted Return Air Panel

*TSM and TSL Vertical Stack Products*



## Commercial Vertical Stack Water-Source Heat Pumps Installation Instructions

97B0066N05  
Revised: September 26, 2018



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## Flush Mounted Return Air Panel

Created: September 26, 2018

## Flush Mounted Return Air Panel and Frame Installation Instructions

**Notice: Some installations may require modifications to these instructions. Read these instructions completely before starting. Framing must conform with all building codes. Climatemaster will not be responsible for any drywall damage that occurs due to improper installation or mishandling.**

### Installing Flush Frame

1. Set cabinet and install risers per IOM/Submittal instructions.
2. All walls must be plumb in 2 directions. Openings must be square. Rough opening (RO) must be free of bent flanges, screw heads or points. All studs must face inward toward the opening.
3. Position back of bottom track 1/8" from front of cabinet. Do not attach wall to cabinet.
4. Install studs around the cabinet. See views on page 2.
5. Using flush frame, check that frame fits into opening. Tight fit is desired. If needed correct studs. Do not assemble frame at this time. Complete wall framing of cabinet cavity.
6. Protect cabinet from any construction debris.
7. Make sure all riser brazing, riser pressure testing, riser water testing, electric wiring, thermostat wiring, return air flanges, or anything that requires access to the outside of the cabinet is completed before continuing.
8. Attach drywall to studs. Cut out all openings as required.
9. Field supplied 1/2 x 1/2 (thicker foam needed if double layer of drywall) adhesive backed open cell foam will be required. Attach foam to back flange of frame, see page 2.
10. Set frame on bottom of opening and center left to right. Shim sides and top if needed and push in frame until flush with front of drywall. Secure frame using 12 screws provided, 3 each on all 4 sides.  
**Note- for wood studs attach frame with field supplied screws 1" long. Foam will be pushing frame outward so light pressure will be needed to insert frame to correct location.**
11. Push in corner bead between frame and drywall. Keep corner bead tight to frame and secure to front of the studs.
12. Mud in corner bead, sand, and caulk any gaps.
13. Complete mudding, texturing, and painting walls.

### Installing Flush Panel

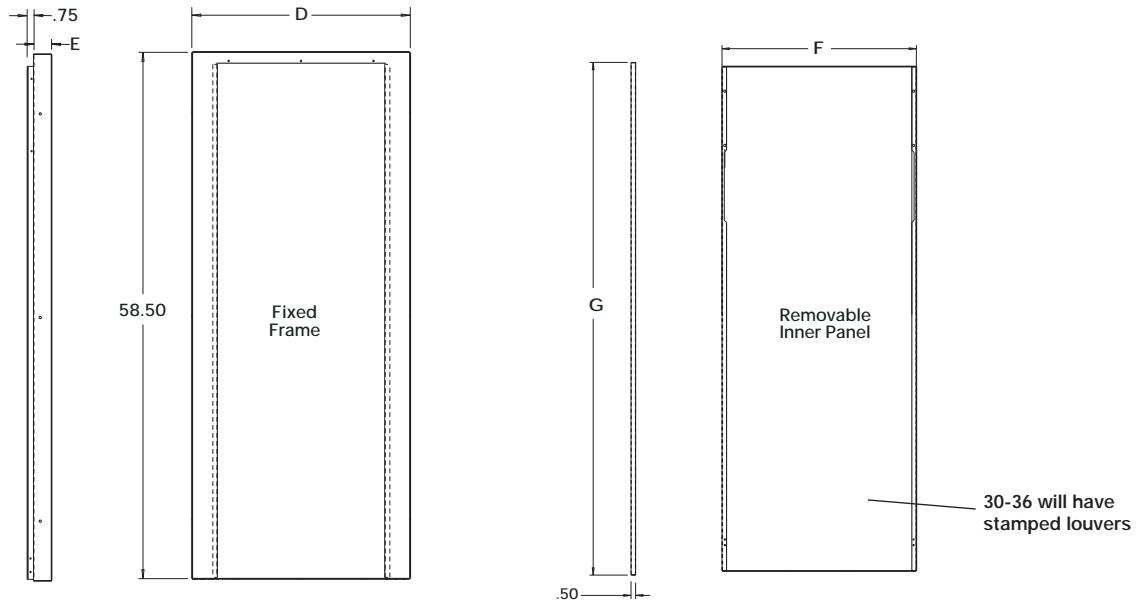
1. Remove cabinet protection and clean cabinet of any debris.
2. Make sure chassis has been installed and tested per IOM.
3. Check cabinet inner panel and filter are installed.
4. To install panel - Set panel into frame, rest bottom of panel support on bottom of frame with the top angled slightly outward. Align the bottom latches of the frame and panel, then press in on the bottom section to engage bottom latches. Pivot top inward until top latches engage and snap in. Panel is now secure.
5. To remove panel – disengage top latches (see image below) first by pulling outward on the top section of the panel. Once the top is unlatched, slide hands down toward bottom section and pull out to disengage bottom latches. Set panel aside.



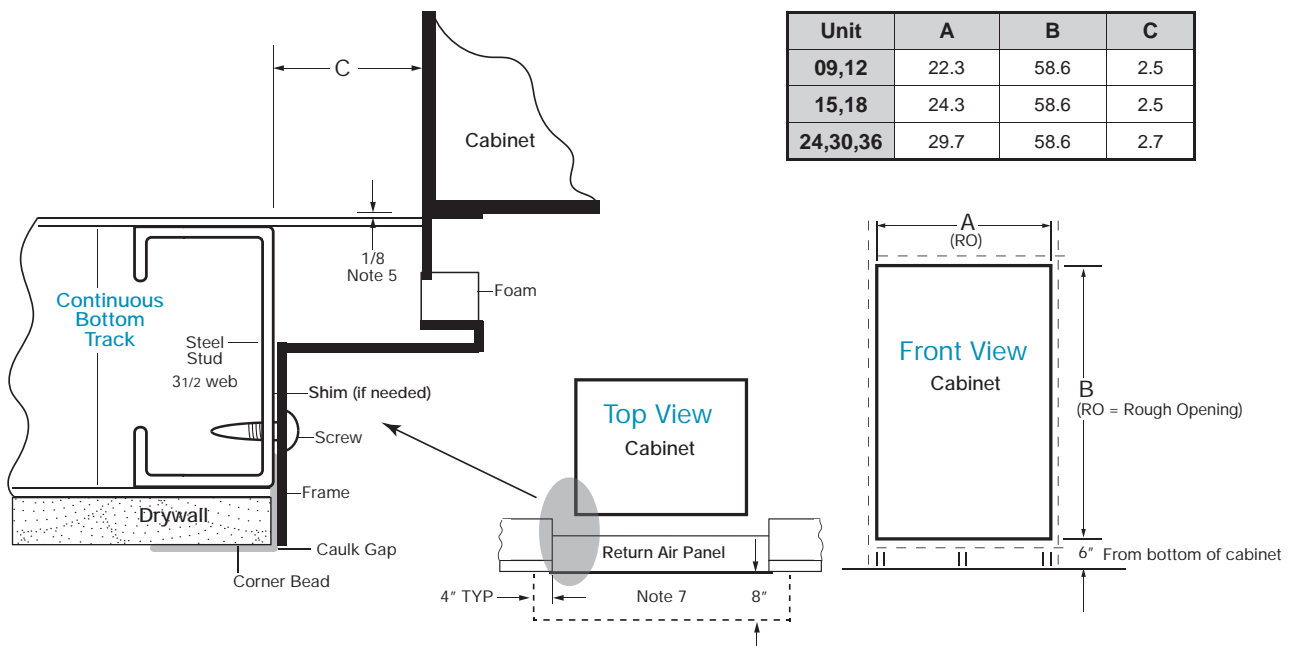
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Unit	AVHRL Digit 6	D	E	F	G
09,12	1	22.1	2.0	19.5	55.8
15,18	2	24.1	2.0	21.5	55.8
24	3	29.6	2.0	26.5	55.9
30,36	4	29.6	2.0	26.5	55.9



Installation Drawings



Unit	A	B	C
09,12	22.3	58.6	2.5
15,18	24.3	58.6	2.5
24,30,36	29.7	58.6	2.7

Notes:

1. Dimensions are in inches.
2. Frame and panel painted.
3. Panel is removable for filter replacement or chassis removal.
4. Frame ships with cabinet—must be installed while framing.

# CLIMATEMASTER WATER-SOURCE HEAT PUMPS

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### Revision History

Date:	Item:	Action:
09/26/18	All	Updated Dim drawing tables
1/22/18	All	Created



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