

Combi Oven Installation Checklist



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REVISED 08/2024

Combi Oven Site Survey Checklist & Installation Requirements:

#	Requirement	YES	NO	N/A	Notes
1	Adequate clearance/spacing between doors and hallways for movement of combi oven into kitchen				
2	Adequate clearance/spacing between combi oven and heat sources				
3	Suitable & level floor, stand/table or other equipment to position combi oven on				
4	Suitable electric connection at location (within 6 feet of oven)				
	Power cable is properly sized for voltage, phase, and amperage				
	Properly sized breaker or safety switch is installed				
	Amperage draw and voltage at startup for L1, L2, and L3 (3 phase units) and L1 and L2 (1 phase units) is recorded				
5	Suitable inlet water connection at location (within 6 feet of oven)				
	Water supply is cold water?				
	Water quality/hardness test performed?				
	PH >7.5				
	Inlet pressure 150-200 kPa (22-29 psi)				
	Free chlorine <0.1 ppm (mg / L)				
	Hardness 60-90 ppm				
	Chlorides <30ppm				
	Silicia <12 ppm (mg / L)				
	Total dissolved solids (tds) 50-125 ppm				
	Water shutoff valve is installed?				
	2-Stage filtration system installed				
	Water softener installed (if required)				
6	Suitable drainpipe & water discharge at location				
	Drain is at least 1" wide				
	Drainpipe is at least 1" wide				
	Drainpipe has 5% gradient (1/4" per foot)				
	Drainpipe made of suitable material (Iron or Copper)				
	Drainpipe made of suitable material (Iron or Copper)				
7	Proper ventilation according to all applicable codes				
	Combi oven has proper clearance under hood				
	Hood has proper overhang for combi oven				

Installation Checklist



**For detailed information on installation, please refer to the operation manual, specification sheets, site survey checklist, and installation requirements. For questions, please contact the place of purchase. Installation must conform to all specifications, all applicable codes such as the National Electric Code, ANSI/NFPA No. 70, CSA C22.1 (where applicable), ICC International Plumbing Code 2003, IAPMO Uniform Plumbing Code 2003, and any other applicable codes. Each activity must be performed by an authorized and licensed professional in the respective field.*

This field survey and installation has been completed on:

Date (day/month/year): _____

By:

Company: _____

Name: _____

Phone: _____

Address: _____

Confirming the survey and installation have been properly completed.

It is recommended to purchase and use the CPG Basic Electric Control Install Kit for installation of your combi oven.

The Install Kit Includes the Following Components:

The install kit includes the necessary components for a seamless install for most operations. Not all parts are used in every installation

Water Supply

- 1x Push to Connect Fitting 5/16" tube x 3/8"NPT Male Fitting (Used for Connecting Combi Water line to select water filter systems)

Drain Components

- 1x 10ft section of flexible drain tube (1-1/8" ID, 1-1/2" OD)
- 2x Worm-Drive clamps

Power Supply

- 1x 24ft section of 4 AWG THHN Wire, Black
- 1x 8ft section of 4 AWG THHN Wire, Green
- 1x 6ft section of 1" Flexible Metal Conduit
- 1x 1" Straight Flexible Metal Conduit Adapter (1" Female x 1" NPSM Male)
- 2x 1" 90° Flexible Metal Conduit Adapter (1" Female x 1" NPSM Male)

Check Pre-Installation Site

1. Required Door Width:

Item #	With Packaging	Without Packaging
351OCB16I	43-1/4"	37-7/8"
351OCB110I	43-1/4"	37-7/8"
351OCB26I	43-1/4"	37-7/8"
351OCB210I	43-1/4"	37-7/8"

HINTS:

- Door and legs are removable to allow the oven to fit through smaller door ways.

Check Installation Site

2. Required Installation Clearances

Item #	Oven Dimensions		Non-Combustible Surfaces		Combustible Surfaces	
	Width	Depth	Minimum Width with Clearances	Minimum Depth with Clearances	Minimum Width with Clearances	Minimum Depth with Clearances
351OCB16I	37.80"	37.20"	41.80"	39.20"	73.80"	65.20"
351OCB110I	37.80"	37.20"	41.80"	39.20"	73.80"	65.20"
351OCB26I	37.80"	44.78"	41.80"	46.78"	73.80"	72.78"
351OCB210I	37.80"	44.78"	41.80"	46.78"	73.80"	72.78"

- Clearance from non-combustible surfaces: 2" from sides and back of the oven
- Clearance from combustible surfaces: 18" from sides and 28" from back of the oven
- Refer to the isometric drawings on pages 7-10

Requirement	YES	NO	N/A
Fryers or cooking equipment located within 12" of right side of combi oven? (If yes, heat shield must be installed)			
Heat shield installed on right side of combi oven?			

Installation Checklist



3. Positioning & Leveling

Requirement	YES	NO	N/A
Floor Level			
Stand/Table Level			
Combi Oven Level			
Combi Oven Secured			

- Surface and stand/table must be strong enough to support the weight of the Combi Ovens, any installed accessories (pans, plates, etc), and any food product. The minimum recommended weight capacity is 750lb.

4. Electrical Requirements

- All utilities should be within 6 feet of the oven
- Breaker sizes are listed for 3 phase. If using 1 phase, ensure a proper sized breaker and wire are installed.

Item #	Voltage	Phase	Amperage	Breaker Size	Plug-In or Hardwired?	Wire Gauge
351OCB16I	208/240V	3 Phase (Convertible)	26.8A	30A	Hardwired	4/3
351OCB110I	208/240V	3 Phase (Convertible)	39.8A	60A	Hardwired	4/3
351OCB26I	208/240V	3 Phase (Convertible)	31.5A	40A	Hardwired	4/3
351OCB210I	208/240V	3 Phase (Convertible)	47A	60A	Hardwired	4/3

Requirement	YES	NO	Reading/Values
Electrical connections within 6 feet of unit			
Breaker and wire sized appropriate for 3 phase or 1 phase			
Startup amperage draw (L1/2/3 for 3 phase units, L1/2 for 1 phase units)			
Startup voltage draw (L1/2/3 for 3 phase units, L1/2 for 1 phase units)			

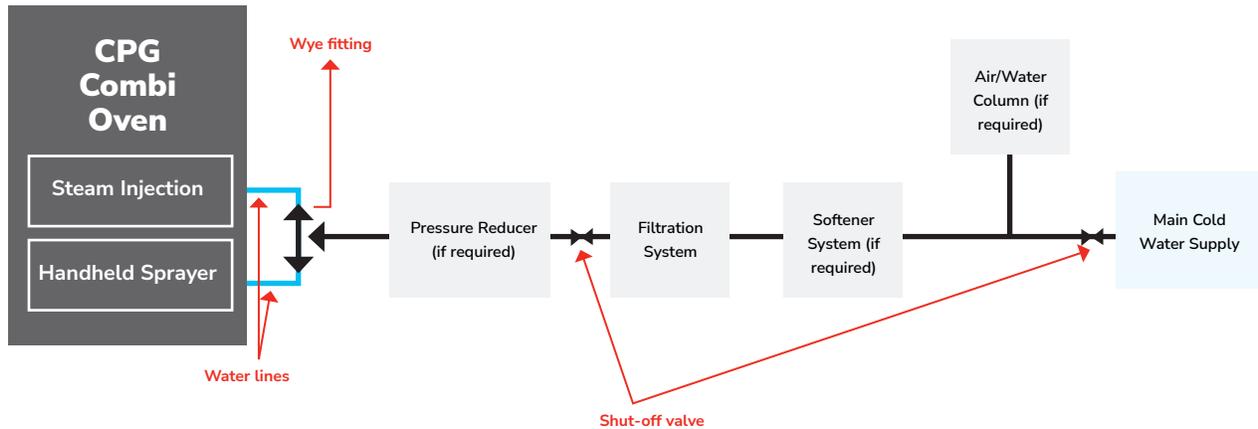
5. Inlet Water Requirements

- All utilities should be within 6 feet of the oven
- Only cold water should be run to the combi oven

Water Quality	Requirement	Reading/Values
PH	>7.5 PH	
Inlet Pressure	150-200 kPA (22-29 psi)	
Free Chlorine	<0.1 ppm (mg / L)	
Hardness	60-90 ppm	
Chloride	<30 ppm	
Silica	<12 ppm (mg / L)	
Total Dissolved Solids (tds)	50-125 ppm	

- A water hardness/quality test should be performed prior to installation, and an appropriate 2-stage filtration system, water softener system, or similar 2-stage system is required to be installed.

Inlet Water Supply Diagram



- Water shut-off valve must be installed at an easy to access location in the event of burst pipe or maintenance to the combi oven

6. Drainpipe & Water Discharge Requirements

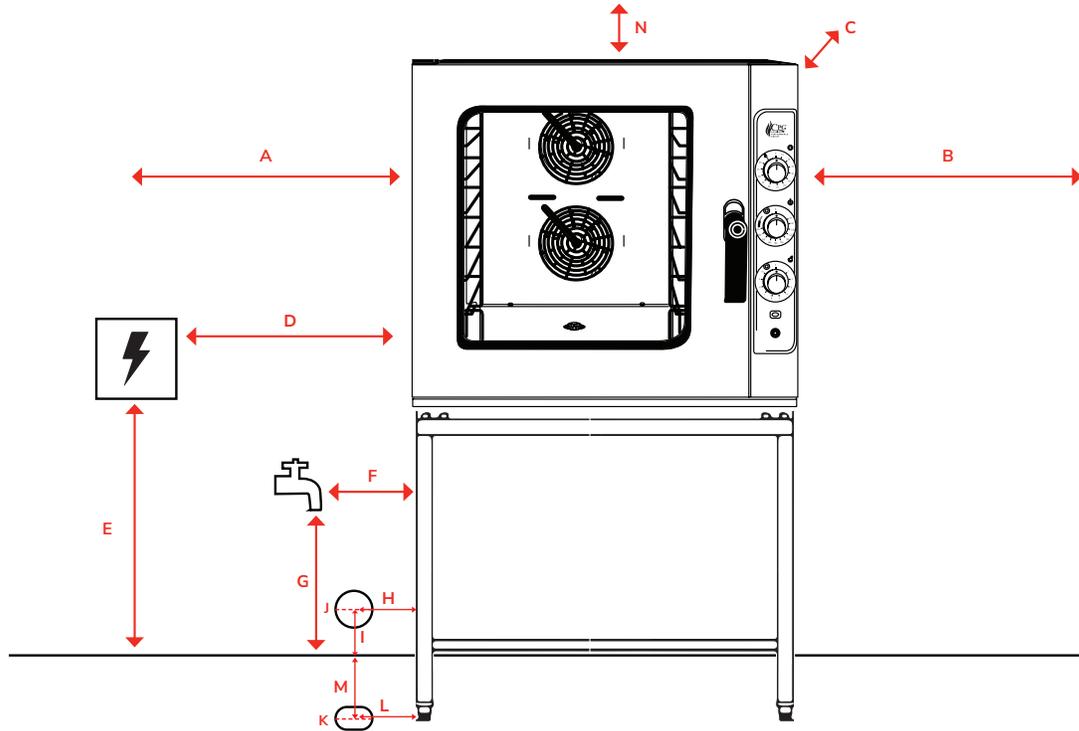
- All utilities should be within 6 feet of the oven
- Drainpipe must have a 5% gradient (1/4" per foot)
- Drainpipe must be at least 1" in diameter and capable withstanding at least 140°F. Copper, gray PVC or using the flexible drain tube included in the Install Kit is required, and a drain tempering kit can be installed if required.
- Drain line should not be more than 10 feet long and should be secured to the floor with pipe brackets.
- Water and drainpipe to comply with ICC International Plumbing Code 2003, IAPMO Uniform Plumbing Code 2003, and any other applicable codes

7. Ventilation

- Exhaust hood must extend over vent pipe of the combi oven
- Exhaust hood should overhang enough at the front of the combi, so that the hood captures most of the steam when the door is opened.
- Exhaust hood must be sized for all appliances under the hood, including the combi oven
- If there is an existing exhaust hood that cannot be used, a new one must be installed over the combi oven
- Hood sizing, including the overhang, should include the dimension of the oven, clearances on sides and back, as well as requirements to conform with all applicable governing codes, National Electric Code, ANSI/NFPA No. 70, and CSA C22.1.

Post-Installation Dimensions

Please fill in the values after the unit has been installed:



- Water shut-off valve must be installed at an easy to access location in the event of burst pipe or maintenance to the Combi Oven

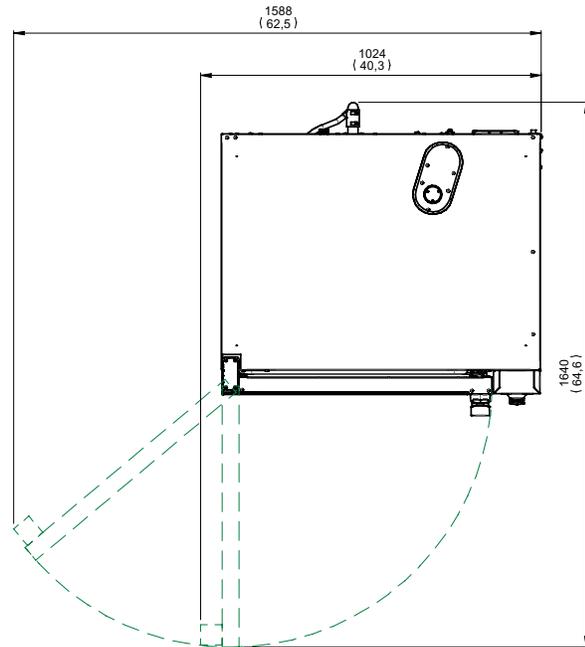
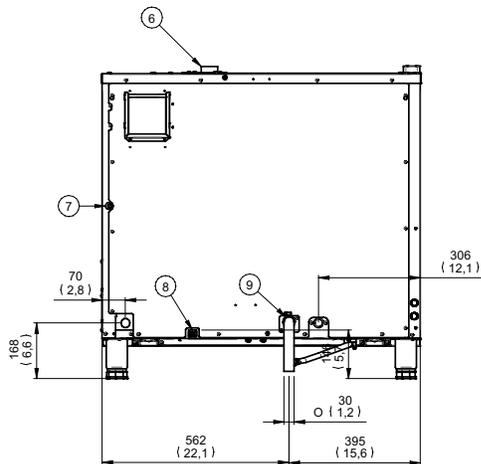
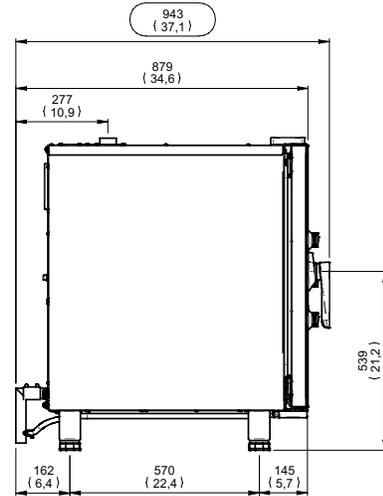
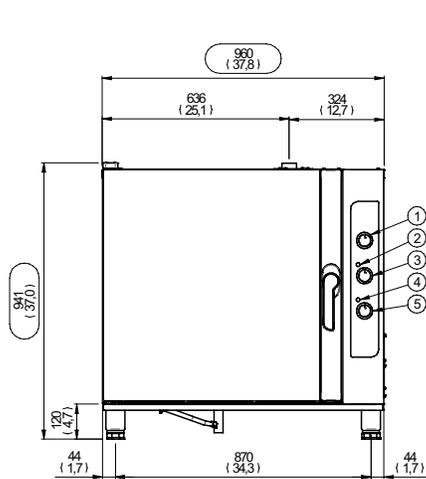
Diagram Reference	Description	Reading/Values
A	Left side of oven to wall or other equipment	
B	Right side of oven to wall or other equipment	
C	Rear of oven to wall	
D	Left side of oven to electrical box	
E	Height from floor to electrical box	
F	Left side of oven to water faucet / filter system / softener	
G	Height of water faucet / filter system / softener	
H	Left side of oven to center of wall drain	
I	Height from floor to center of wall drain	
J	Diameter of wall drain	
K	Diameter of floor drain	
L	Left side of oven to center of floor drain	
M	Rear wall to center of floor drain	
N	Top of Oven to bottom of hood or ceiling	

Installation Checklist



Isometric Drawings

#3510CB16I



Part#	Description
1	Timer Control
2	Thermostat Indicator Light
3	Temperature Control
4	Steam Indicator Light
5	Steam Control

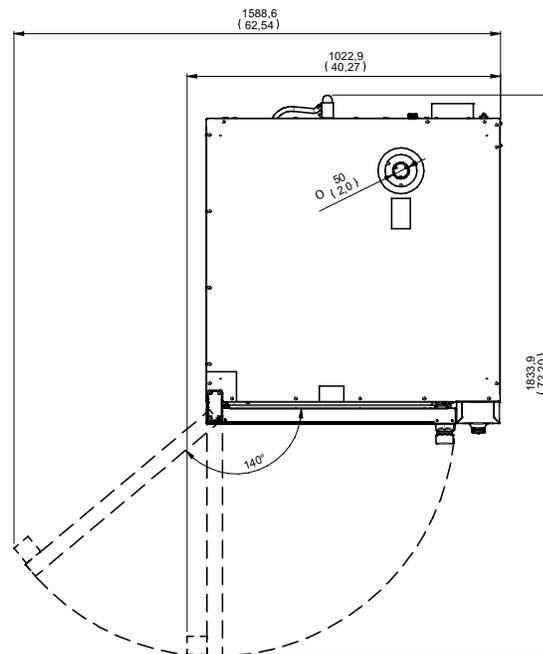
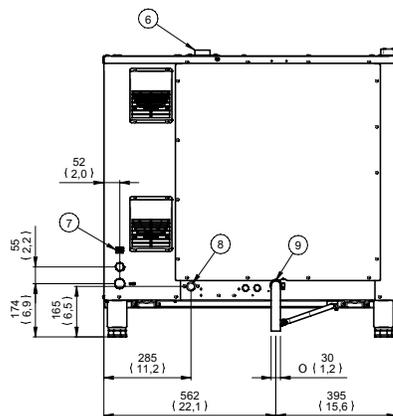
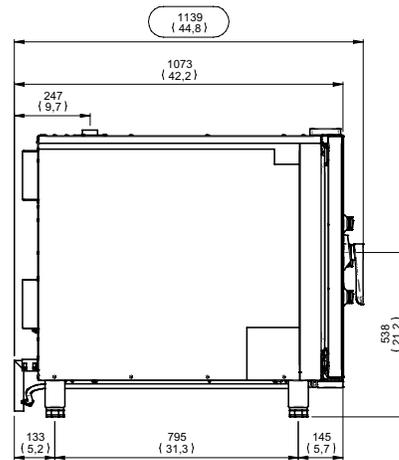
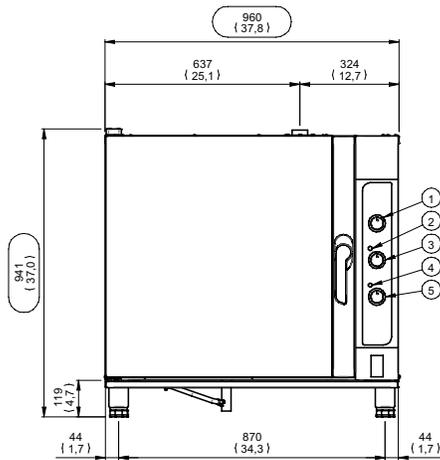
Part#	Description
6	Exhaust Vent
7	High Limit
8	Water Inlet
9	Water Outlet (Drain)

Installation Checklist



Isometric Drawings

#3510CB26I



Part#	Description
1	Timer Control
2	Thermostat Indicator Light
3	Temperature Control
4	Steam Indicator Light
5	Steam Control

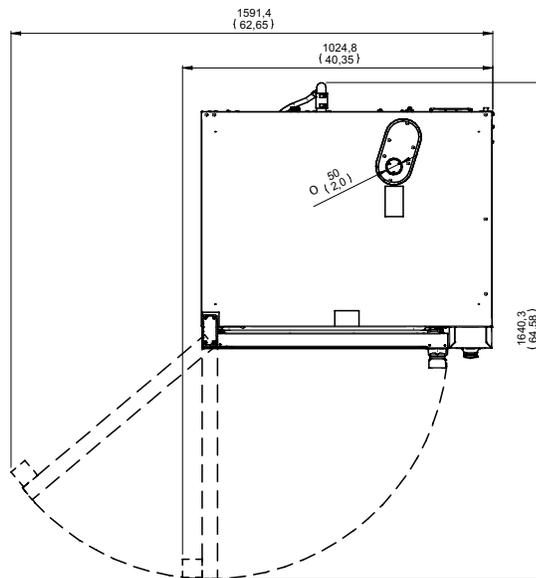
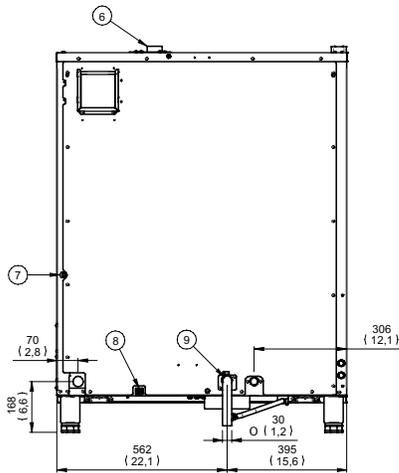
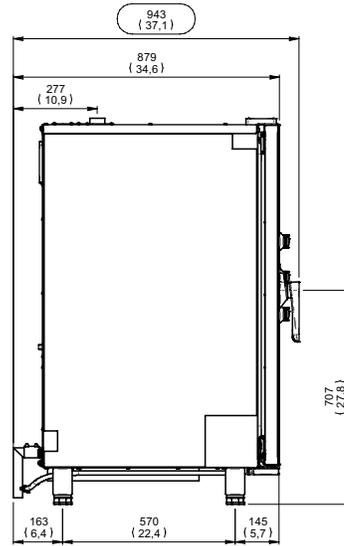
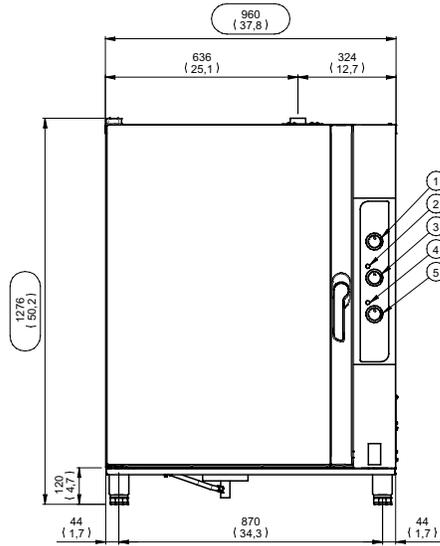
Part#	Description
6	Exhaust Vent
7	High Limit
8	Water Inlet
9	Water Outlet (Drain)

Installation Checklist



Isometric Drawings

#351OCB110I



Part#	Description
1	Timer Control
2	Thermostat Indicator Light
3	Temperature Control
4	Steam Indicator Light
5	Steam Control

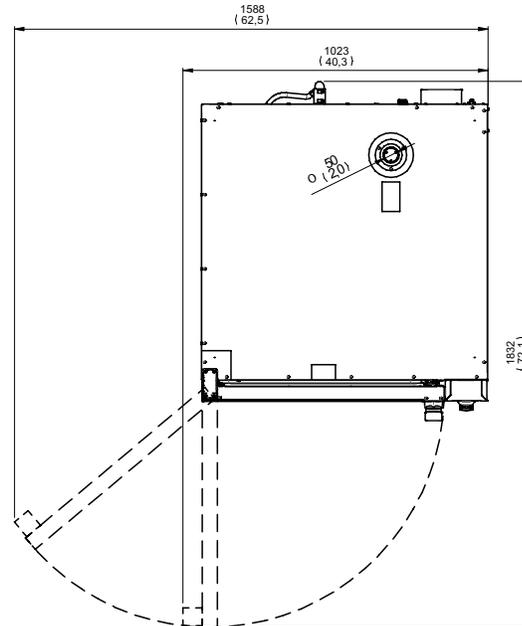
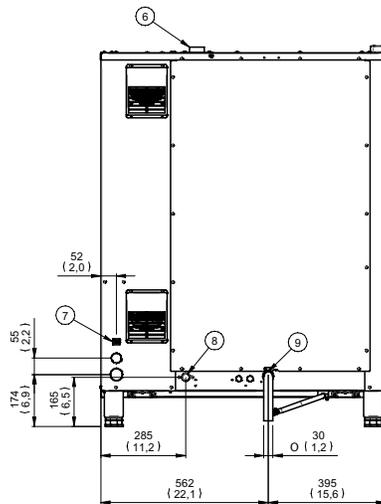
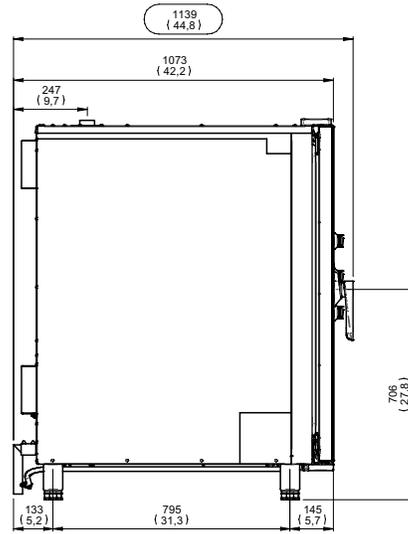
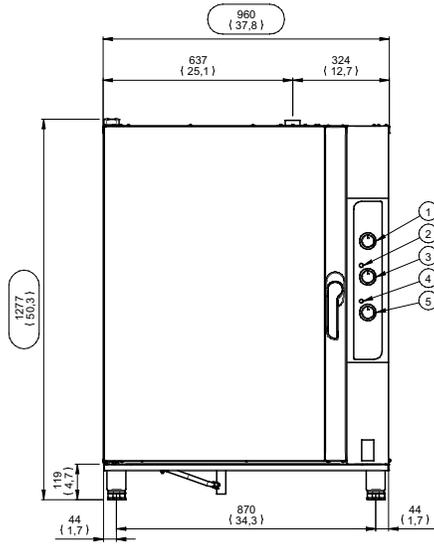
Part#	Description
6	Exhaust Vent
7	High Limit
8	Water Inlet
9	Water Outlet (Drain)

Installation Checklist



Isometric Drawings

#3510CB210I



Part#	Description
1	Timer Control
2	Thermostat Indicator Light
3	Temperature Control
4	Steam Indicator Light
5	Steam Control

Part#	Description
6	Exhaust Vent
7	High Limit
8	Water Inlet
9	Water Outlet (Drain)