



# AJX-80

Project \_\_\_\_\_  
Item \_\_\_\_\_  
Quantity \_\_\_\_\_  
CSI Section 11400  
Approval \_\_\_\_\_  
Date \_\_\_\_\_

AJX-80

## Models

AJX-80



## Standard Features

- 25" clearance accommodates larger wares, such as sheet pans, mixing bowls, etc.
- Exclusive EnergyGuard™ controls
- Fully automatic, including auto-fill
- Incoming water-pressure regulator
- Electromechanical controls
- Adjust-A-Peak™ adjustable conveyor speed allows machine to extend wash time and rinse contact for heavy soil conditions
- Self-draining stainless steel wash pump
- Front dress panel
- Stainless steel scrap baskets
- Splash shields
- Strikeplate table-limit switch
- Externally operated drain lever
- Adjustable bullet feet
- Stainless steel frame and legs
- Exhaust vent fan control
- 18kW wash tank heater

## Mandatory Specs

Specify:

☐ Electric ☐ Steam

Specify Voltage \_\_\_\_\_

Specify Sanitizing Method:

☐ High Temperature  
☐ Chemical Sanitizing

Specify Direction of Operation:

☐ Left to Right  
☐ Right to Left

## Options

- ☐ Booster Heater
- ☐ 40° F (22.2° C) Rise - 17kW
  - ☐ 70° F (38.9° C) Rise - 30kW
- ☐ Steam Booster Heater
- ☐ 23" (584 mm) Unhooded Side Loader
  - ☐ 23" (584 mm) Hooded Side Loader
  - ☐ 30" (762 mm) Unhooded Side Loader
  - ☐ 30" (762 mm) Hooded Side Loader
  - ☐ Flanged Feet
  - ☐ Blower Dryer
  - ☐ Vent Cowl Collars (set of 2)
  - ☐ Prison Package

## Accessories

- ☐ 36-Compartment Rack
- ☐ 4-1/8" tall (105 mm)
  - ☐ 5 - 5/8" tall (143 mm)
  - ☐ 7" tall (178 mm)
- ☐ Combination Rack
- ☐ Peg Rack
- ☐ Sheet Pan Rack
- ☐ Drain Quench System
- ☐ Scaltrol
- ☐ Water Hammer Arrestor

## Specifications

High-temperature model uses 0.68 gallons (2.57 liters) per rack. Chemical-sanitizing model uses 0.78 gallons (2.95 liters) per rack

High-temperature model cleans 225 racks per hour. Chemical-sanitizing model cleans 209 racks per hour

36" (915 mm) pre-wash section has 3 upper and 2 lower pre-wash arms

8" (203 mm) splash shields on both wash and rinse ends

25" (635 mm) chamber height clearance accommodates larger wares

18" (457 mm) wash section with an 18" (457 mm) separation between wash and rinse

Stainless steel construction

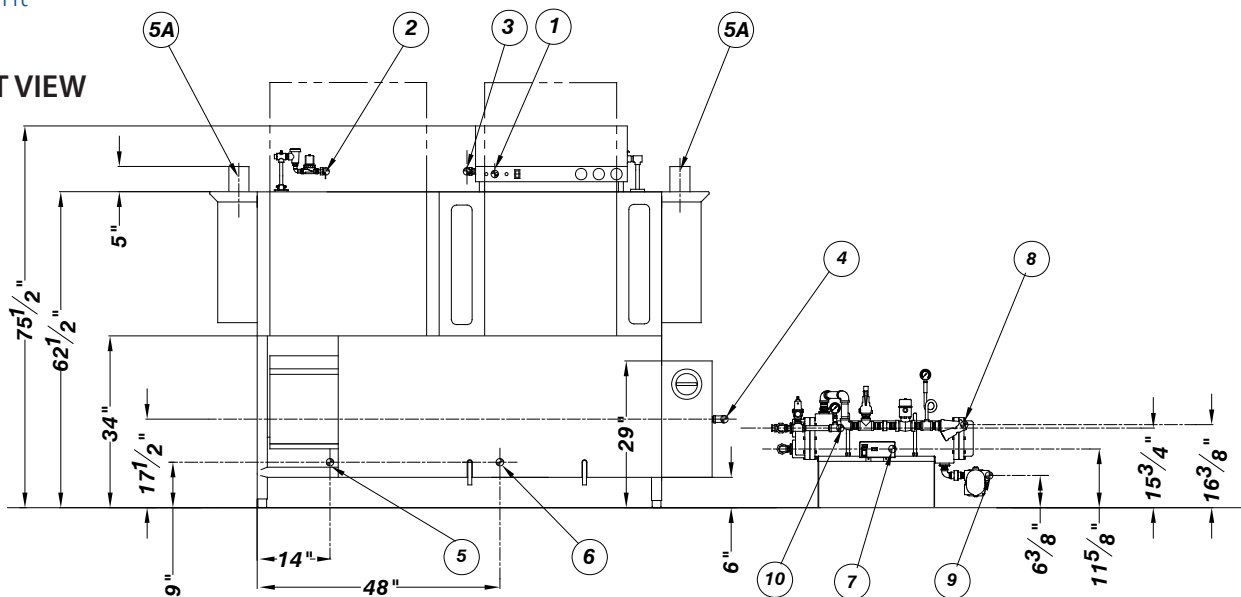


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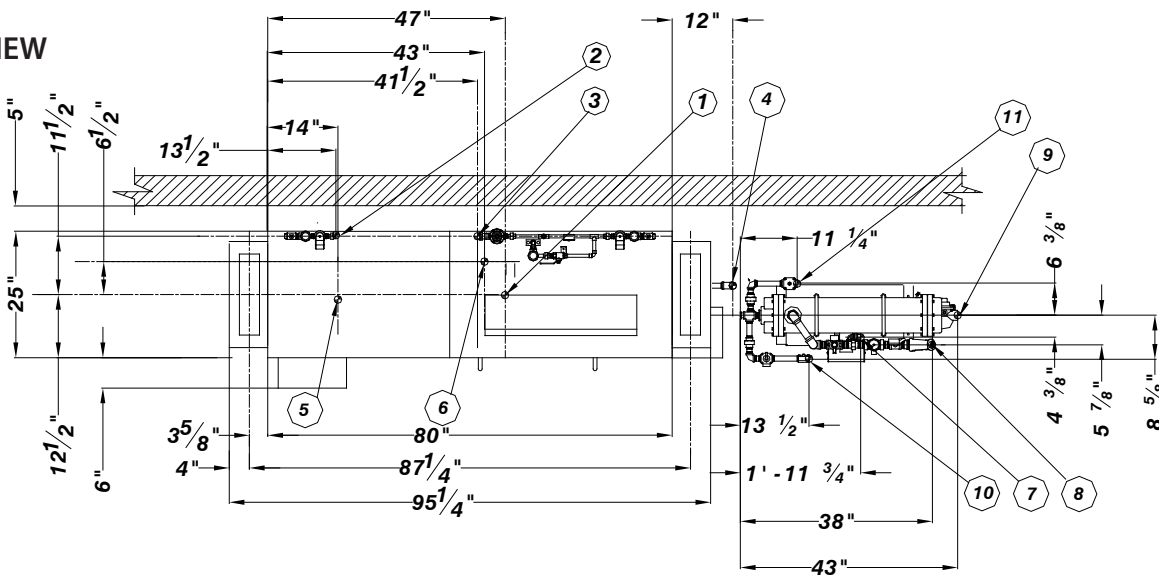
# AJX-80

Left to Right

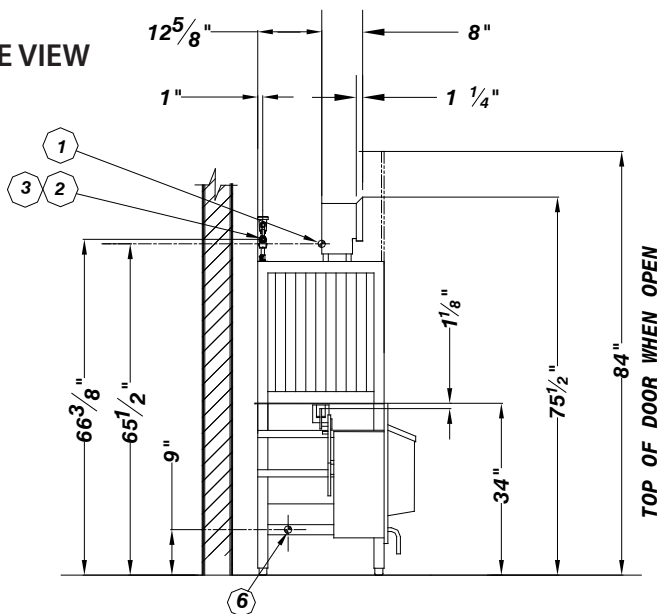
## FRONT VIEW



## TOP VIEW



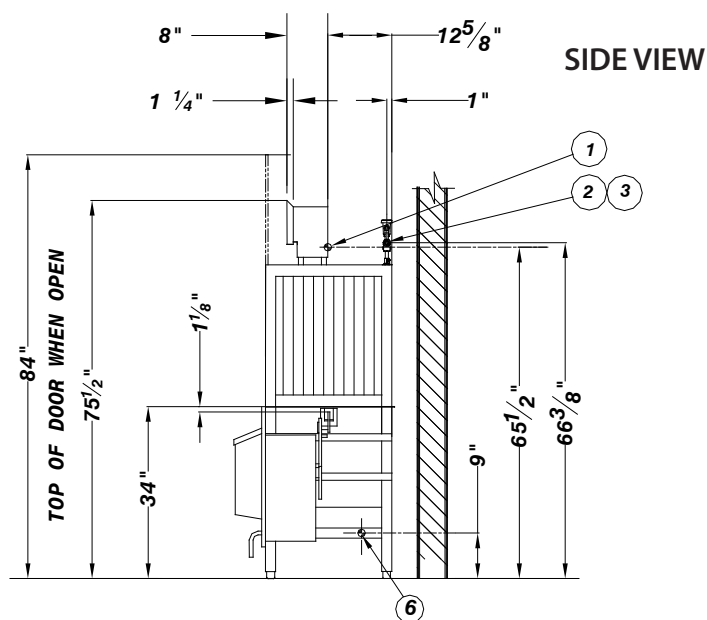
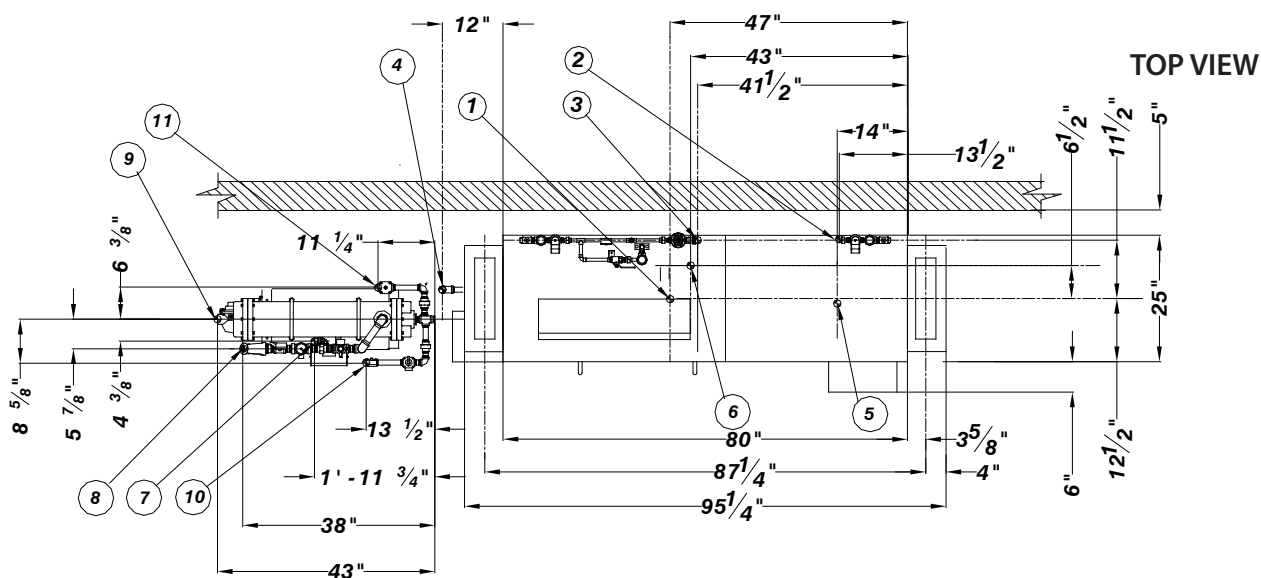
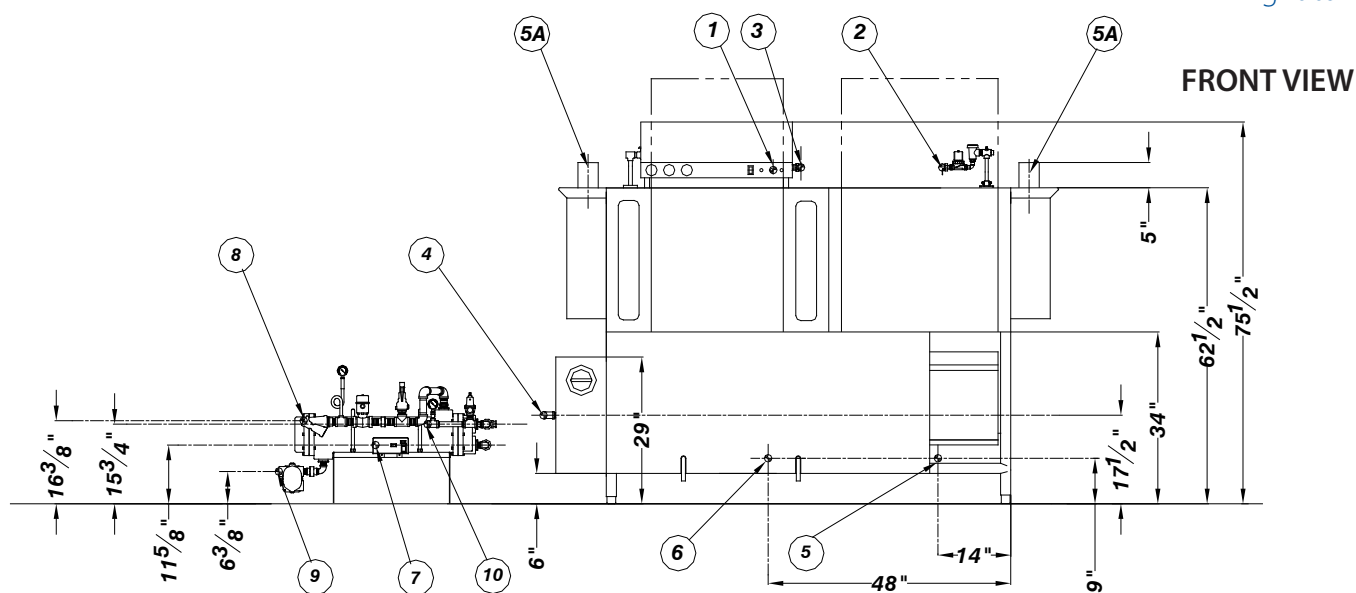
## SIDE VIEW



1. Electrical connection
2. 1/2" NPT 110-140° F water inlet for pre-wash
3. 1/2" NPT 180° F water inlet for wash and final rinse
4. 3/4" NPT steam connection
5. 3/4" NPT condensate return line
- 5a. Vent connection - Includes damper. 2 locations 4" I.D. X 16" I.D.
6. 1-1/2" NPT drain connection

### STEAM BOOSTER CONNECTIONS

7. Electrical connection
8. 1" NPT steam connection
9. 3/4" NPT condensate connection
10. 3/4" NPT incoming 110° F water connection
11. 3/4" NPT 180° water connection to dishmachine



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#### STEAM BOOSTER CONNECTIONS

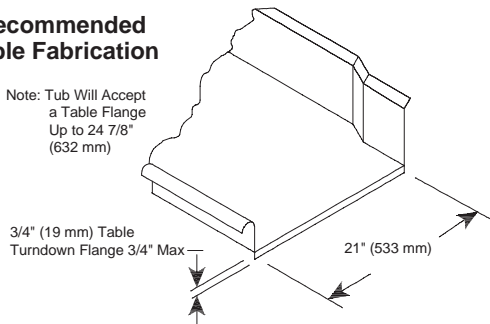
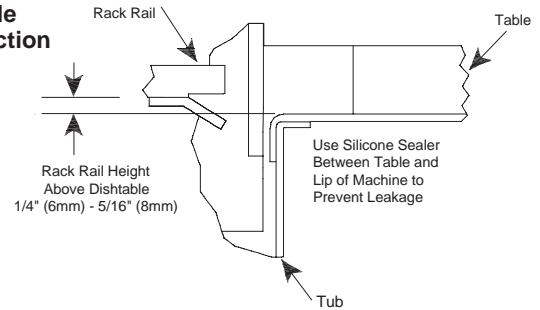
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AJX-80

**Recommended Table Fabrication**

Note: Tub Will Accept a Table Flange Up to 24 7/8" (632 mm)

**Table Connection**

MODEL NO.	MACHINE DIMENSIONS				DRAIN HEIGHT	SHIPPING INFORMATION					
	HEIGHT	HEIGHT WITH DOOR OPEN	LENGTH BETWEEN DISHTABLES	DEPTH		WEIGHT	CLASS	CUBE	HEIGHT	WIDTH	DEPTH
AJX-80	75-1/2" (1919 mm)	84" (2134 mm)	80" (2032 mm)	31" (787 mm)	10-1/4" (260 mm)	954 lbs (433 kg)	92.5	198.6 cu. ft.	78" (1981 mm)	110" (2794 mm)	40" (1016 mm)

**DIMENSION REQUIREMENTS**

Wall Clearance (minimum)	4-1/2" (114 mm)
Standard Table Height	34" (864 mm)
Inside Clearance	25" (635 mm)

**OPERATING CAPACITY**

	High-Temperature	Chemical Sanitizing
Racks per Hour	225	209

**OPERATING TEMPERATURES**

	High-Temperature	Chemical Sanitizing
Pre-Wash Tank	110-140°F (43-60°C)	110-140°F (43-60°C)
Wash (minimum)	160° F (71° C)	140° F (60° C)
Rinse (minimum)	180° F (82° C)	140° F (60° C)

**ELECTRICAL REQUIREMENTS**

Approximate Total Load AMPS		
	Electric	Steam
208V/60HZ/3PH	62.3	12.3
208V/60HZ/1PH	105.3	18.8
230V/60HZ/3PH	57.5	12.3
230V/60HZ/1PH	97.1	18.8
460V/60HZ/3PH	28.8	6.2

**BOOSTER HEATER OPTIONS**

	40° F (22.2° C) Minimum Rise		70° F (38.9° C) Minimum Rise	
	kW	AMPS	kW	AMPS
208V/60HZ/3PH	17.2	47.8	30	83.4
230V/60HZ/3PH	18	45.2	30	75.4
460V/60HZ/3PH	18	22.6	30	37.7

HOW TO SPECIFY: AJX-80

**WATER REQUIREMENTS**

Inlet Temperature (minimum)	
With 40° F (22.2° C) Rise Booster Heater	140° F (60° C)
With 70° F (38.9° C) Rise Booster Heater	110° F (43° C)
Gallons per Hour - High-Temperature	153 gal (579 L)
Gallons per Hour - Chemical Sanitizing	163 gal (617 L)
Gallons per Rack - High-Temperature	.68 gal (2.6 L)
Gallons per Rack - Chemical Sanitizing	.78 gal (3.0 L)
Waterline Size IPS (minimum)	1/2"
Drainline Size IPS (minimum)	1-1/2"
Flow Pressure (PSI)	15
Flow Rate (minimum) - High -Temperature	2.6 GPM (9.8 LPM)
Flow Rate (minimum) - Chemical Sanitizing	2.7 GPM (10.2 LPM)
Pre-Wash Tank Capacity	17.25 gal (65.3 L)
Wash Tank Capacity	21 gal (79.5 L)

**PUMP MOTORS**

Pre-Wash Pump Motor	2 hp
Wash Pump Motor	2 hp
Pre-Wash Pump Capacity	270 GPM (1022 LPM)
Wash Pump Capacity	270 GPM (1022 LPM)

**CONVEYOR**

Conveyor Motor	1/4 hp
Conveyor Speed (feet per minute highest speed)	
High-Temperature	6.2 FPM (1.9 MPM)
Chemical Sanitizing	5.75 FPM (1.75 MPM)

**VENTING REQUIREMENTS**

	Input End	Output End	Total CFM
	200 CFM	400 CFM	600 CFM

**STEAM COIL TANK HEAT (STEAM MODELS ONLY)**

Steam Connection IPS	3/4"
Steam Flow Pressure (PSIG)	10-20
Consumption @ 15 PSIG (lbs/hr)	60

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