



**CMA-180-VL TALL**  
High Temperature  
3- Door Single Rack  
Dishwasher



**New  
“Ventless”  
Heat  
Recovery and  
Condensation  
Removal  
Option**

**Features:**

- **Replaces need for independent vent hood.**
- Final rinse valve receives cold water (45-70° F) that is processed through “heat recovery system”, providing nearly cost free heating capabilities for water supplied to the booster heater, which reduces the recovery time for the booster heater.
- Heat recovery system captures water vapor from the wash & rinse cycle, and condenses it to heat the incoming cold water & evacuate the steam from the wash chamber.
- Door-actuated start.
- Safe-T-Temp feature assures 180°F sanitizing rinse every cycle.
- 12kW electrical booster heater.
- Booster-safety thermostat.
- 6kW wash tank heater.
- Low max. 0.89 US gallons of water usage per rack.
- Minimum 90-second cycle. (60 second wash/rinse & 30 second steam evacuation)
- 40 racks per hour (based on 90-second cycle).
- Fully automatic cycle for easy operation.
- Water level safety control.
- Maximum clearance for dishes is 28".
- All Stainless Steel construction.
- Wash tank screens, which filter recirculating wash water, prevent soil from entering spray arms.
- 3-door feature for straight or corner applications.
- Automatic heat exchange condenser wash-down feature.
- Rinse PRV supplied (Pressure Regulating Valve).
- Field convertible from three phase to single phase.
- Simple, rugged durability that you expect from CMA.
- Door Safety Interlock System (DSI) assures that doors remain locked throughout the entire cycle, allowing the HR system to evacuate the vapor from the machine.

**The “Ventless” option is a Heat Recovery Condensation Removal System:**

Captures and distributes normally exhausted heat from the wash/rinse tank, using this FREE energy to pre-heat cold water prior to feeding the booster heater. Water entering the booster heater has been pre-heated, reducing the energy cost to bring booster temperature to required 180 degrees, potentially saving THOUSANDS of \$ in operational costs.

**NO VENT HOOD REQUIRED: Saves THOUSANDS \$ on installation.**



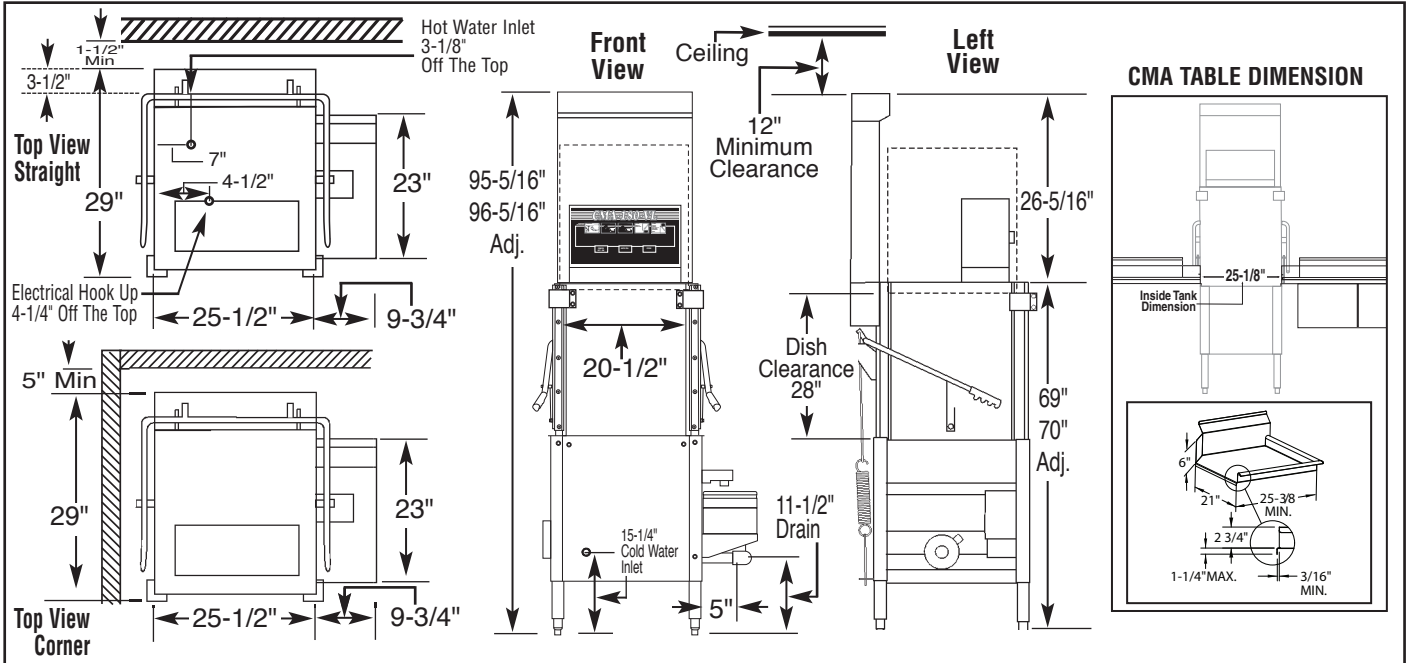


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### WARNINGS:

- Plumbing connections must be made by a qualified service company who will comply with all available Federal, State, and Local Health, Plumbing and Safety codes.
- CMA recommends utilizing a water softening system to maintain water hardness measurements of 3.5 gpg (grains per gallon) or less. This will assure maximum results and optimum operation of the dishwasher.



### Specifications:

	MODEL CMA-180-VL	USA	METRIC		USA	METRIC	
<b>WATER CONSUMPTION</b>				<b>WASH PUMP MOTOR HP</b>	1	1	
PER RACK (MAX)		.89 GAL	(3.37 L)	<b>DIMENSIONS</b>			
PER HOUR		52 GPH	(197 L)	DEPTH	29"	(76.7cm)	
<b>OPERATING CYCLE</b>				WIDTH (OUTSIDE DIMENSION)	25 -1/2"	(65cm)	
WASH TIME - SEC.		49	49	HEIGHT	95-5/16"-96-5/16"	(242-244.6cm)	
RINSE TIME - SEC.		12	12	STANDARD TABLE HEIGHT	34"	(86.3cm)	
STEAM EVACUATION		41	41	MAX CLEARANCE FOR DISHES	28"	(71.1cm)	
TOTAL CYCLE		90	90	DRAIN CONNECTION (OFF FLOOR)	11-1/2"-12-1/2"	(29-32cm)	
<b>OPERATING CAPACITY</b>				<b>STANDARD DISHRACK</b>			
RACKS PER HOUR		40	40	DIMENSIONS	19-3/4" X 19-3/4"	(50X50cm)	
<b>WASH TANK CAPACITY</b>		8 GAL.	(30.3 L)	<b>ELECTRICAL RATING</b>	<b>VOLTS</b>	<b>PHASE</b>	<b>AMPS</b>
<b>PUMP CAPACITY</b>		52 GPM	(197 LPM)		208	1	78
<b>WATER REQUIREMENTS</b>				INCLUDES	240	1	88
COLD WATER		41-65°F	(5°C-18°C)	REQUIRED 12kW	208	3	49
HOT WATER		120°F -140°F	(49°C - 60°C)	BOOSTER	240	3	55
DRAIN CONNECTION		2"	(5.1cm)		480	3	25
RINSE PRESSURE SET		20 ± 5psi	(1.41 kg/cm <sup>2</sup> )	<b>APPROXIMATE SHIPPING WEIGHT</b>			
HOT WATER INLET		1/2"	(1.3cm)		520#		(235.6kg)
COLD WATER INLET		1/2"	(1.3cm)				
<b>OPERATING TEMPERATURE</b>							
WASH-°F (MIN)		155°F-160°F	(68°C-71°C)				
RINSE-°F (MIN)		180°F-195°F	(82°C-90°C)				

### Summary Specifications: Model CMA-180-VL TALL

The model CMA-180-VL TALL single tank, high temperature dishwasher is designed for years of trouble free service, producing sparkling results while conserving energy, water and chemicals. This machine is supplied with a built-in 12 kW booster heater required for "Ventless" feature to function. The CMA-180-VL TALL comes standard with the 3-door feature for straight or corner applications. Unique soil purging system filters wash water and plate debris into an external tray. The CMA-180-VL TALL is NSF, UL, CUL and CE approved. Constructed entirely of stainless steel.

**Advisory:** CMA does NOT endorse "Tankless On-Demand" water heaters for use on CMA Dishmachine products. CMA DOES endorse, and highly recommends, the standard "tank" style water heaters, sized properly to handle each particular facility with their water heating requirements.



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CMA reserves the right to modify specifications or discontinue models without prior notification.

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