HIGH TEMPERATURE 3-DOOR VENTLESS SINGLE RACK DISHWASHER

180-VL TALL

High Temperature
Ventless Dishwasher



CMA MODEL: 180-VL TALL

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 $dollars$ in operating costs.

NO VENT HOOD REQUIRED: Saves THOUSANDS $ on installation.

FEATURES

- Replaces need for independent vent hood.
- Final Rinse Valve receives cold water (41-65°F) that is processed through a "Heat Recovery System" providing nearly cost-free heating capabilities for water supplied to the Booster Heater, which reduces the heat 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.
- 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.

Note: Some US States may require Energy Star ratings for Commercial Dishwashers. The specifier or installer is responsible for knowing their local codes, standards, and regulatory requirements. This product was certified and met the requirements of previous Energy Star Version 2.0 for commercial dishwashers as required by some states.

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CMA Dishmachines 12700 Knott Street Garden Grove, CA 92841 • 800-854-6417 • 714-898-8781 • Fax: 714-895-2141 • www.cmadishmachines.com

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

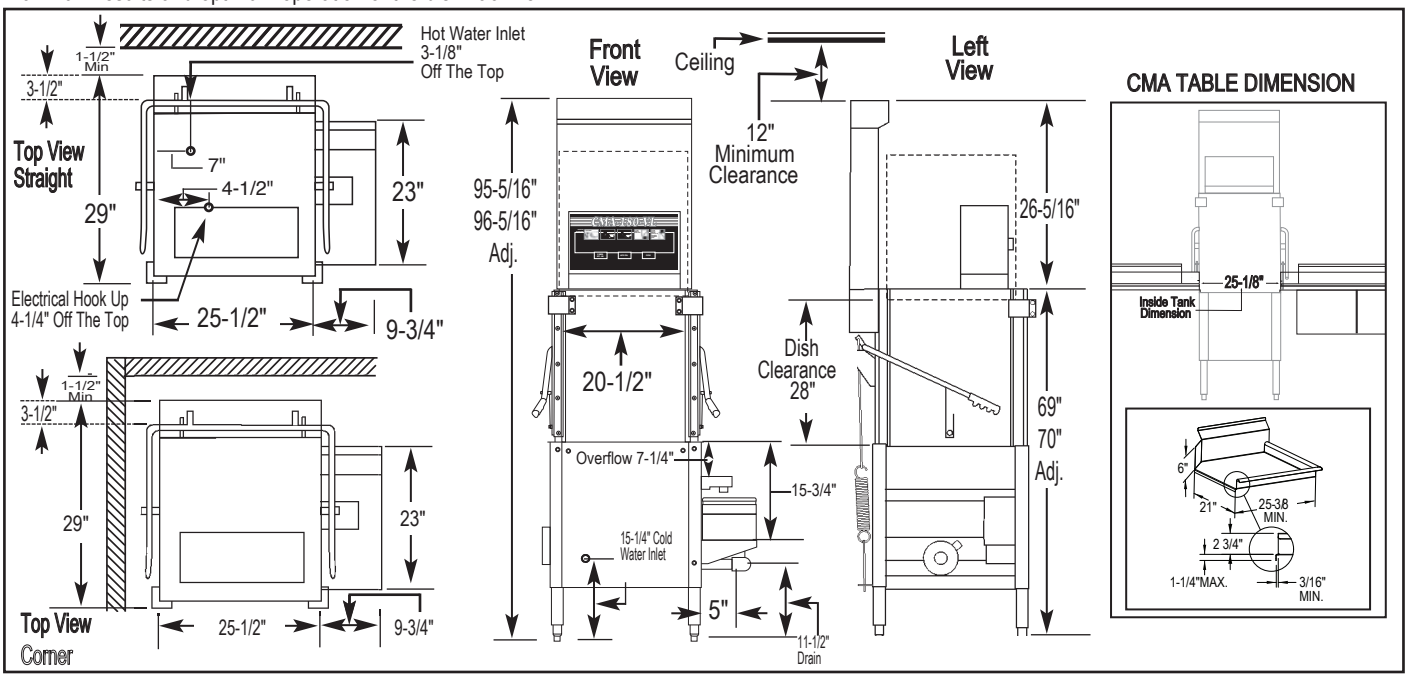
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CMA-180-VL TALL

High Temperature
3- Door Ventless
Single Rack Dishwasher

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 dishmachine.



Specifications:

MODEL CMA-180-VL	USA	METRIC
WATER CONSUMPTION		
PER RACK (MAX)	.89 GAL	(3.37 L)
PER HOUR	36 GPH	(136 L)
OPERATING CYCLE		
WASH TIME - SEC.	49	49
RINSE TIME - SEC.	12	12
STEAM EVACUATION	41	41
TOTAL CYCLE	90	90
OPERATING CAPACITY		
RACKS PER HOUR	40	40
WASH TANK CAPACITY	8 GAL.	(30.3 L)
PUMP CAPACITY	52 GPM	(197 LPM)
WATER REQUIREMENTS		
COLD WATER	41-65°F	(5°C-18°C)
HOT WATER	120°F -140°F	(49°C - 60°C
DRAIN CONNECTION	2"	(5.1cm)
RINSE PRESSURE SET	20 ±5psi	(1.41 kg/cm²)
HOT WATER INLET	1/2"	(1.3cm)
COLD WATER INLET	1/2"	(1.3cm)
OPERATING TEMPERATURE		
WASH-°F (MIN)	155°F-160°F	(68°C-71°C)
RINSE-°F (MIN)	180°F-195°F	(82°C-90°C)

	USA	METRIC
WASH PUMP MOTOR HP	1	1
DIMENSIONS		
DEPTH	29"	(76.7cm)
WIDTH (OUTSIDE DIMENSION)	25 -1/2"	(65cm)
HEIGHT	95-5/16"-96-5/16"	(242-244.6cm)
STANDARD TABLE HEIGHT	34"	(86.3cm)
MINIMUM FAN CLEARANCE	6"	(15.2cm)
MAX CLEARANCE FOR DISHES	28"	(71.1cm)
DRAIN CONNECTION (OFF FLOOR)	11-1/2"-12-1/2"	(29-32cm)
STANDARD DISHRACK	1	1
DIMENSIONS	20" x 20"	(50.8 X 50.8cm)

ELECTRICAL RATING	VOLTS	PHASE	AMPS
INCLUDES REQUIRED 12kW BOOSTER	208	1	78
	240	1	88
	208	3	49
	240	3	55
	480	3	25

APPROXIMATE SHIPPING WEIGHT	625#	(238kg)
SHIPPING DIMENSIONS	PALLET & WOODEN CRATE @ 45" X 46" X 96"	

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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