



CMA-180-VL

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 (41-65° 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 17-1/2".
- 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.

Available Options:

- Alternative electrical available for export
- Stainless steel dishtables
- Dual power supply connections

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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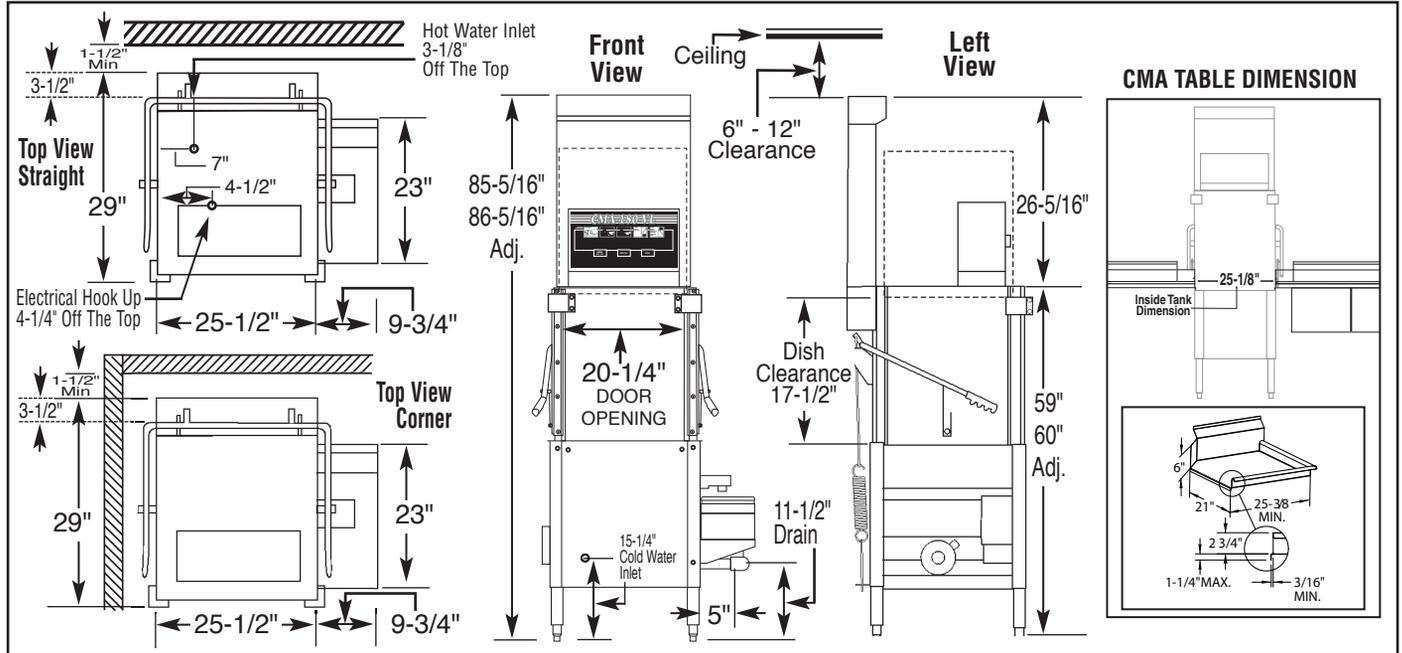


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WARNINGS:

- 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 or less. This will assure maximum results and optimum operation of the dishmachine.



Specifications:

MODEL CMA-180-VL	USA	METRIC	USA	METRIC
WATER CONSUMPTION PER RACK (MAX) PER HOUR	.89 GAL 36 GPH	(3.37 L) (139 L)		
OPERATING CYCLE WASH TIME - SEC. RINSE TIME - SEC. STEAM EVACUATION TOTAL CYCLE	49 12 41 90	49 12 41 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 HOT WATER DRAIN CONNECTION RINSE PRESSURE SET HOT WATER INLET COLD WATER INLET	41-65°F 120°F -140°F 2" 20 ± 5psi 1/2" 1/2"	(5°C-18°C) (49°C - 60°C) (5.1cm) (1.41 kg/cm²) (1.3cm) (1.3cm)		
OPERATING TEMPERATURE WASH-°F (MIN) RINSE-°F (MIN)	155°F-160°F 180°F-195°F	(68°C-71°C) (82°C-90°C)		
HEAT LOAD TO ROOM (BTU/HR)	LATENT 7,986 SENSIBLE 5,005			
WASH PUMP MOTOR HP	1	1		
DIMENSIONS DEPTH WIDTH (OUTSIDE DIMENSION) HEIGHT STANDARD TABLE HEIGHT MINIMUM FAN CLEARANCE MAX CLEARANCE FOR DISHES DRAIN CONNECTION (OFF FLOOR)	29" 25 -1/2" 85-5/16"-86-5/16" 34" 6" 17-1/2" 11-1/2"-12-1/2"	(76.7cm) (65cm) (216-217cm) (86.3cm) (15.2) (44cm) (29-32cm)		
STANDARD DISHRACK DIMENSIONS	1 19-3/4" X 19-3/4"	1 (50X50cm)		
ELECTRICAL RATING	VOLTS 208 240 208 240 480	PHASE 1 1 3 3 3	AMPS 78 88 49 55 25	
APPROXIMATE SHIPPING WEIGHT	528#	(239kg)		
SHIPPING DIMENSIONS	PALLET & WOODEN CRATE @ 41" X 41" X 86"			

Summary Specifications: Model CMA-180-VL

The model CMA-180-VL 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 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 is NSF, UL, CUL 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.



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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