



**NEW CMA**  
"Low Temp  
Ventless"  
Heat Recovery  
and Condensation  
Removal Option



### Model EST 3-Door Ventless Door-Type Machine:

The Ventless process eliminates the installation cost of a hood/fan, annual operational cost of the hood/fan, and hood ventilation system cost. Water entering the booster heater has been pre-heated, reducing the energy cost to bring booster temperature to required 120 degrees, potentially saving THOUSANDS of \$ in operation costs. **NO VENT HOOD REQUIRED: Saves THOUSANDS of \$ on installation.**



**CMA**  
**LOW TEMP-VENTLESS**  
**EST ENERGY SAVER**  
Chemical Sanitizing  
Single Rack Dishwasher

#### Features:

- **Energy Star® Qualified.**
- The HR System (Waste Air Heat Recovery) removes heat and water vapor that normally would be released when opening the dishmachine doors, utilizing that energy to preheat the incoming water; this saves energy while creating a safer and more comfortable environment.
- High tech condensation method converts the vapor to water, which evacuates the wash chamber at the end of the cycle.
- Three-door system for straight-thru or corner applications.
- Built-in "booster heater" assures proper wash and rinse temperatures (does not "tax" facilities' hot water supply).
- Auto Start System.
- Programmable (three-product) Dispensing System.
- Water Saving (1.09 gallons of water per rack of dishes).
- Automatic HR Condenser Cleaning System for daily coil wash-down.
- 30 racks per hour (90-second cycle and 30-second chamber purge).
- Top mounted controls.
- 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:

- Sanitizer Alarm
- Stainless steel dishtables and slant shelves

**CMA**  
**MIZER®**  
Registered Trademark

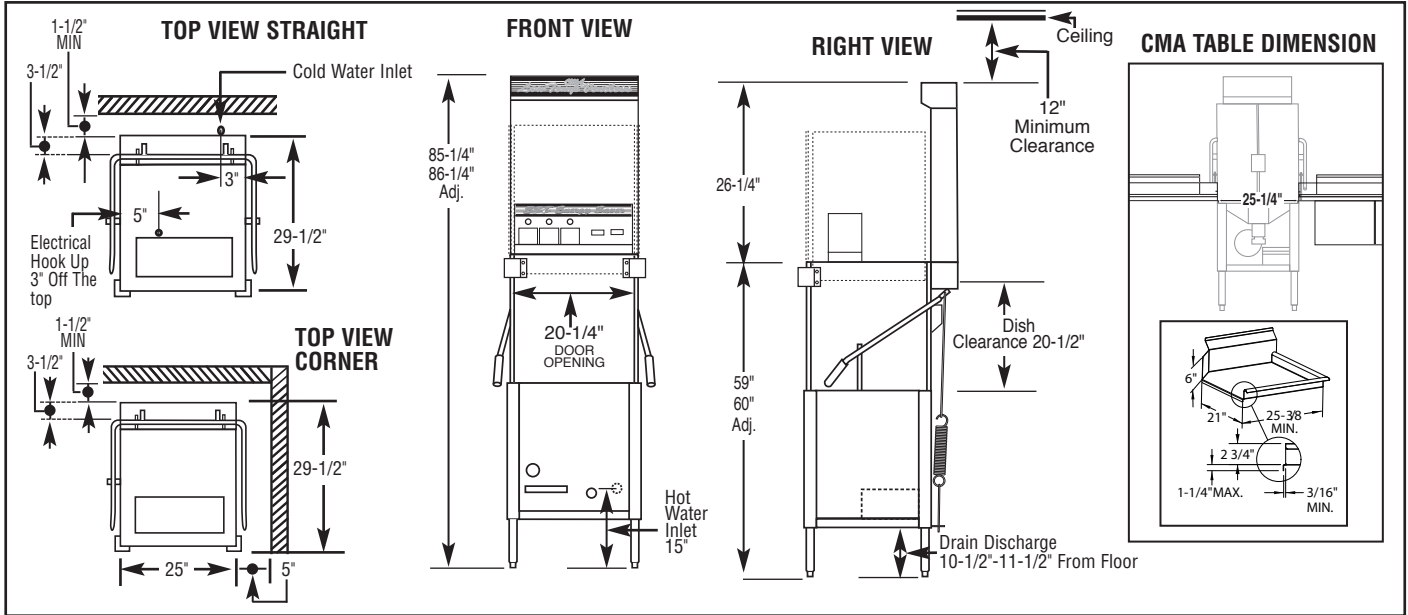




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**WARNINGS:**

- 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 LOW TEMP EST-VENTLESS	USA	METRIC		USA	METRIC
<b>WATER CONSUMPTION</b> PER RACK PER HOUR	1.09 GAL. 33 GPH	(4.12L) (125 L)	<b>FRAME DIMENSIONS</b>		
<b>OPERATING CYCLE</b>			DEPTH	29-1/2"	(79.2cm)
WASH TIME - SEC.	53	53	WIDTH	25"	(64cm)
RINSE TIME - SEC.	30	30	HEIGHT	85-5/19"-86-5/16"	(216-217cm)
DWELL - SEC.	7	7	STANDARD TABLE HEIGHT	34"	(86cm)
VENT FAN	30	30	EST MAXIMUM CLEARANCE HEIGHT FOR DISHES	20-1/2"	(52cm)
TOTAL CYCLE	120	120	<b>STANDARD DISHRACK</b>		
<b>OPERATING CAPACITY</b> RACKS PER HOUR	30	30	DIMENSIONS	19-3/4"X19-3/4"	(50X50cm)
<b>WASH TANK CAPACITY</b>	1.09 GAL.	(4.12 L)	<b>WASH PUMP MOTOR HP</b>	1	1
<b>PUMP CAPACITY</b>	52 GPM	(197 LPM)	<b>ELECTRICAL RATING</b>	<b>VOLTS</b>	<b>AMPS</b>
<b>WATER REQUIREMENTS</b>			<b>DISHMACHINE</b>	115 (1 PHASE)	16
COLD WATER	40-65°F	(5°C-18°C)	<b>BOOSTER HEATER</b>	208/240 (3 PHASE)	25/29
HOT WATER	140°F	(60°C)		208/240 (1 PHASE)	43/50
DRAIN CONNECTION	2"	(5.1cm)	<b>SHIPPING WEIGHT</b>		
HOT WATER INLET	1/2"	(1.3cm)	APPROXIMATE	400#	(182 kg)
COLD WATER INLET	1/2"	(1.3cm)			
<b>OPERATING TEMPERATURE</b>					
REQUIRED	120°F	(49°C)			
RECOMMENDED	140°F	(60°C)			
<b>HEAT LOAD TO ROOM (BTU/HR)</b>					
	LATENT 5,900				
	SENSIBLE 2,400				

**Summary Specifications: Model LOW TEMP EST-VENTLESS**

The Energy Miser Model EST Ventless low temperature, chemical sanitizing commercial dishwasher, meets UL Electrical and ETL Sanitation (NSF Standard 3) standards. Model EST Low Temp Ventless is constructed of stainless steel. Each unit automatically washes, rinses and sanitizes food service utensils in standard 20" x 20" racks. Unit comes with upper and lower stainless steel wash arms.

**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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