



## CMA-180-ES

High Temperature  
Straight Rack Dishwasher and a  
Single Tank Pre-washing Station

**New**



P/N 01613.00

### Introducing the New CMA-180-ES

The CMA-180-ES eliminates the manual overhead pre-rinse system by utilizing the wash water that is normally lost down the drain. With the velocity (35 gallons per minute) of hot, soapy water bombarding your dish rack from all angles (that can only be accomplished in an enclosed chamber), you will experience effortless, thorough pre-rinsing. The CMA-180-ES has the unique soil purging system that sends 40% of the floating soil into an external scrap trap.

### Features:

- Replaces manual pre-rinsing with an Automatic Pre-Rinse System (APRS) providing consistent results.
- Wash water, that normally discharges to drain system, becomes the primary source of water feeding the APRS (3/4 of a gallon of recycled soapy hot water per rack, equates to 30 gallons per hour savings). **Saves on energy, soap and water.**
- Replacing pre-rinse station eliminates the following:  
1.4 gallons per rack of dishes (avg. 150 racks per day = savings of 76,650 gallons per year), inconsistent pre-rinse results, need for a soiled table and pre-rinse assy. Spare your staff 55,000 repetitive manual pre-rinsing movements. Environmental impact is improved with less splashing, reducing the need of water changes during the day and saving up to 8000 kWh per year (if you have been using warm or hot water to pre-rinse).
- **Free recycled soapy hot water** entering the APRS, is recirculated, rinsing dishes at a rate of 35 gallons per minute.
- If the load is light (glasses, silverware), the pre-rinse machine can simply be by-passed.
- APRS has a self purging system, that purges floating soil from the machine, reducing soil volume captured within the pre-rinse chamber.
- A complete, fully automatic Pre-Rinsing/Washing System, built with unibody construction (constant controlled results, reducing the possibility of human error).
- Door actuated auto-start.
- Safe-T-Temp feature assures 180°F sanitizing rinse every cycle.
- 12kW electrical booster heater.
- Booster-safety thermostat.
- 6kW wash tank heater.
- 60-second cycle (or 60 racks per hour).
- Fully automatic cycle for easy operation.
- Water level safety control.
- Maximum clearance for dishes is 17-1/2".
- All Stainless Steel construction.
- Scrap screens, which filter recirculating wash water, prevent soil from entering spray arms.

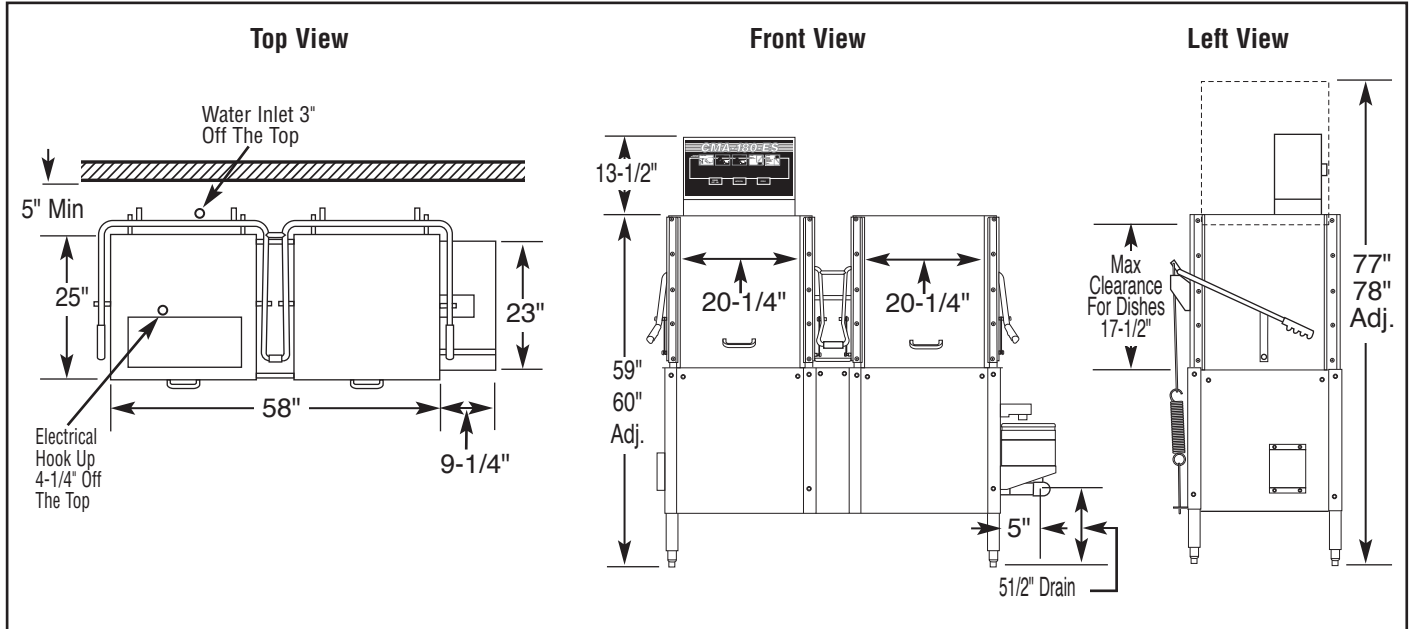




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**WARNING:** Plumbing connections must be made by a qualified service company who will comply with all available Federal, State, and Local Health, Plumbing and Safety codes.



## Specifications:

MODEL CMA-180-ES	USA	METRIC	USA	METRIC
<b>WATER CONSUMPTION</b>				
PER RACK	.96 GAL	(3.6 L)		
PER HOUR	52 GPH	(197 L)		
<b>OPERATING CYCLE</b>				
WASH TIME - SEC.	49	49		
RINSE TIME - SEC.	12	12		
TOTAL CYCLE	61	61		
<b>OPERATING CAPACITY</b>				
RACKS PER HOUR	60	60		
<b>WASH TANK CAPACITY</b>	8 GAL.	(30.3 L)		
<b>PUMP CAPACITY</b>	52 GPM	(197 LPM)		
<b>WATER REQUIREMENTS</b>				
WITHOUT BOOSTER HEATER	180°F	(82°C)		
WITH BOOSTER HEATER	140°F	(60°C)		
WATER INLET	3/4"	(1.9cm)		
DRAIN CONNECTION	2"	(5.1cm)		
RINSE PRESSURE SET	20 ± 5psi	(1.41 kg/cm <sup>2</sup> )		
<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)		
<b>WASH PUMP MOTOR HP</b>	1	1		
<b>DIMENSIONS</b>				
DEPTH	25"	(63.5cm)		
WIDTH	58"	(147cm)		
HEIGHT	77"-78"	(195.5-198cm)		
STANDARD TABLE HEIGHT	34"	(86.3cm)		
MAX CLEARANCE FOR DISHES	17-1/2"	(44cm)		
DRAIN CONNECTION (OFF FLOOR)	11-1/2"-12-1/2"	(29-32cm)		
<b>STANDARD DISHRACK</b>	1	1		
DIMENSIONS	19-3/4" X 19-3/4"	(50X50cm)		
<b>ELECTRICAL RATING</b>	<b>VOLTS</b>	<b>PHASE</b>	<b>AMPS</b>	
(SINGLE POINT CONNECTION)	208	3	56	
	240	3	62	
<b>APPROXIMATE SHIPPING WEIGHT</b>				
WITHOUT BOOSTER	338#		(151kg)	
WITH BOOSTER	351#		(170kg)	

## Summary Specifications: Model CMA-180-ES

The model CMA-180-ES single tank, high temperature dishwasher and a single tank pre-washing station is designed for years of trouble free service, producing sparkling results while conserving energy, water and chemicals. This machine is available with an optional "built in" booster heater, assuring a continuous supply of 180°F hot water. Unique soil purging system filters wash water and plate debris into an external tray. The CMA-180-ES is NSF, UL, CUL approved. Constructed entirely of stainless steel.

