



PREMIER  SERIES

Project _____
Item _____
Quantity _____
CSI - 11400 _____
Approval _____
Date _____

CX20

High Temperature Single Tank Extra High Door Type Dishwasher

STANDARD FEATURES

- Capacity is 60 (20" x 20") racks per hour or 1080 dishes per hour
- 0.65 gallons per rack
- Quad-Arm Wash System—washes faster with better results!
- **INDUSTRY FIRST!** Submerged booster recaptures radiant heat, saving energy and money
- Oversized strainers collect twice the waste compared to traditional strainers
- Energy Conservation Drain Overflow reduces energy consumption
- Gas springs for smooth motion and safe removal
- Foot-operated drain pedal eliminates back strain
- Ergo-Grip door handle provides multiple options for hand placement and eliminates the need to modify dishtable for corner installation
- Vertically mounted pump motor ensures consistent wash pressure
- Hinged dishrack support swings up for tank and scrap screen access—makes cleaning a breeze!
- RackAware automatic rack sensing system only runs a cycle when a rack is in the machine—no wasted cycles
- Swing out control panel—all components & 24V controls are accessible from the front of the machine
- IP67 controls with anti-vandal push buttons for durability & water resistance
- Multiple cycles: standard wash (1), extended wash (2), heavy soil (3)
- Dishrack guides nest & lock for storage
- Front mounted wash tank for easy cleaning
- Tank heat: electric immersion heater or steam injectors
- Single point electrical connection: motor, controls, heater and optional built-in booster (when selected as an option)
- Door safety switch
- Low water protection
- De-lime program for easy cleaning
- Easy-glide door
- Detergent connection provision
- S/S frame, legs and feet
- Wash arms with secured caps/pipe plugs to prevent loss
- Front mounted controls



CX20 Extra High

OPTIONS

- VaporGuard 2.0 Condensation Removal System (Ventless)
- False panel kit for corner installation
- Steam coil
- Steam booster
- Security package
- Plastic 20" x 20" racks (plate or silver)
- Drain quench system



Intertek



| | |
|--|---|
| Capacity Per Hour | 60 racks 1080 dishes 2160 glasses |
| Tank Capacity | 17.5 gallons |
| Booster Capacity | 2.3 gallons |
| Motor Size | 1.5 HP |
| Steam Consumption at 20 psi min. | 11 lbs./hour tank 22 lbs./hour booster 40° rise 43 lbs./hour booster 70° rise |
| Final Rinse Peak Flow at 20 psi. min. | 3.9 gallons/minute |
| Final Rinse Consumption at 20 psi min. | 38.4 gallons/hour |
| Exhaust Hood Requirement | 9 gallons/minute |
| Peak Rate Drain Flow | 35 gallons/minute |
| Water Inlet Temperature | 110°F |
| Time Cycle | Cycle 1: Wash Time: 49 sec Rinse Time: 10 sec Total Cycle Time: 59 sec Cycle 2: Wash Time: 80 sec Rinse Time: 10 sec Total Cycle Time: 90 sec Cycle 3: Wash Time: 170 sec Rinse Time: 10 sec Total Cycle Time: 180 secnf |
| Shipping Weight | 450 lbs. |

SPECIFICATIONS

CONSTRUCTION- Hood and tank constructed of 16 gauge type 304 S/S. Hood unit of all welded seamless construction. S/S frame, legs and feet. All internal castings are non-corrosive lead free nickel alloy or bronze.

DOOR- Single piece construction operating doors have finger tip control, balanced by externally mounted gas springs.

PUMP- Centrifugal type “packless” pump with a brass petcock drain. Construction includes ceramic seal and a balanced stainless steel impeller on a precision ground stainless steel shaft, extension or sleeve. All working parts mounted as an assembly and removable as a unit without disturbing pump housing. One 1.5 hp motor, standard horizontal C-face frame, drip proof, internally cooled with ball-bearing construction.

CONTROLS- Front mounted controls for easy access.

SPRAY SYSTEM- Wash and rinse spray systems made of type 304 stainless steel pipe threaded into cast hub assemblies. Upper and lower wash and rinse spray assemblies are removable without the use of tools.

WASH- Quad-Arms upper and lower with teflon sleeve bearing. Arms are precision designed for maximum wash coverage of ware.

FINAL RINSE- Rinse arms upper and lower with precision design pattern for maximum coverage of ware.

DRAIN- Foot pedal operated with auto-sense to indicate when drain is open.

See additional pages of this specification document for detailed electrical requirements.

NOTE: Due to product improvement we reserve the right to change information and specifications without notice.



CX20

High Temperature Single Tank Door Type Dishwasher

OPERATING CAPACITY

| | |
|-------------------|------|
| Racks per Hour: | 59 |
| Dishes per Hour: | 1080 |
| Glasses per Hour: | 2160 |

STANDARD OPERATING CYCLES

| | |
|-------------------|--------|
| CYCLE 1: | |
| Wash Time: | 49 sec |
| Rinse Time: | 10 sec |
| Total Cycle Time: | 59 sec |

| | |
|-------------------|--------|
| CYCLE 2: | |
| Wash Time: | 80 sec |
| Rinse Time: | 10 sec |
| Total Cycle Time: | 90 sec |

| | |
|-------------------|---------|
| CYCLE 3: | |
| Wash Time: | 170 sec |
| Rinse Time: | 10 sec |
| Total Cycle Time: | 180 sec |

VG2 OPERATING CYCLES

| | |
|-------------------|--------|
| CYCLE 1: | |
| Wash Time: | 20 sec |
| Rinse Time: | 10 sec |
| Vent Time: | 30 sec |
| Total Cycle Time: | 60 sec |

| | |
|-------------------|---------|
| CYCLE 2: | |
| Wash Time: | 80 sec |
| Rinse Time: | 10 sec |
| Vent Time: | 30 sec |
| Total Cycle Time: | 120 sec |

| | |
|-------------------|---------|
| CYCLE 3: | |
| Wash Time: | 170 sec |
| Rinse Time: | 10 sec |
| Vent Time: | 30 sec |
| Total Cycle Time: | 210 sec |

ELECTRIC LOADS

| | |
|--------------------------|-----|
| Wash Motor HP: | 1.5 |
| Wash Heater kW: | 9.0 |
| Rinse Booster Heater kW: | 9.0 |

STEAM REQUIREMENTS

| | |
|------------------------------|------------|
| Steam Flow Pressure: | 10-20 psig |
| Steam Consumption @ 15 psig | 45 lbm/hr |
| Steam Inlet Connection | 1/2" NPT |
| Steam Condensate Connection: | 1/2" NPT |

WATER REQUIREMENTS

| | |
|------------------------------------|-------------|
| Water Consumption | 38.4 gal/Hr |
| Wash Temperature (Minimum): | 160° F |
| Rinse Temperature (Minimum): | 180° F |
| Inlet Water Temperature (Minimum): | 110° F |
| Water Flow Pressure: | 20 ± 5 psig |
| Water Line Size: | 1/2" NPT |
| Drain Line Size: | 1-1/2" NPT |

TANK CAPACITIES

| | |
|---------------------|--------------|
| Wash Tank: | 17.5 gallons |
| Rinse Booster Tank: | 2.3 gallons |

VENTLESS OPTION REQUIREMENTS

| | |
|---------------------|--------------|
| Latent Heat Load: | 4046 BTU/Hr |
| Sensible Heat Load: | 8224 BTU/Hr |
| Total Heat Load: | 12270 BTU/Hr |

| | |
|--------------------------------|-------|
| Inlet Water Temperature (Max): | 75° F |
|--------------------------------|-------|



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High Temperature Single Tank Door Type Dishwasher

| ELECTRICALLY HEATED / SINGLE POINT CONNECTION | | | | | | | | | |
|---|-------|------|------------|-------------|--------------|---------|------------|-------|-------|
| VOLTS | PHASE | FREQ | WASH MOTOR | WASH HEATER | RINSE HEATER | CONTROL | TOTAL LOAD | MCA | MOP |
| 208 | 1 | 60 | 9.2 A | 43.3 A | 43.3 A | 0.27 A | 96.1 A | 125 A | 125 A |
| 240 | 1 | 60 | 9.1 A | 37.5 A | 37.5 A | 0.24 A | 84.3 A | 110 A | 110 A |
| 208 | 3 | 60 | 4.7 A | 25.0 A | 25.0 A | 0.27 A | 54.0 A | 70 A | 70 A |
| 240 | 3 | 60 | 4.2 A | 21.7 A | 21.7 A | 0.24 A | 47.8 A | 60 A | 60 A |
| 480 | 3 | 60 | 2.1 A | 10.8 A | 10.8 A | 0.12 A | 23.8 A | 30 A | 30 A |

| ELECTRICALLY HEATED / DUAL POINT CONNECTION | | | | | | | | | | | | | | | |
|---|----|------|------------|-------------|---------|------------|------|------|---------------|----|------|--------------|------------|------|------|
| CONNECTION #1 | | | | | | | | | CONNECTION #2 | | | | | | |
| VOLTS | PH | FREQ | WASH MOTOR | WASH HEATER | CONTROL | TOTAL LOAD | MCA | MOP | VOLTS | PH | FREQ | RINSE HEATER | TOTAL LOAD | MCA | MOP |
| 208 | 1 | 60 | 9.2 A | 43.3 A | 0.27 A | 52.8 A | 70 A | 70 A | 208 | 1 | 60 | 43.3 A | 43.3 A | 60 A | 60 A |
| 240 | 1 | 60 | 9.1 A | 37.5 A | 0.24 A | 46.8 A | 60 A | 60 A | 240 | 1 | 60 | 37.5 A | 37.5 A | 50 A | 50 A |
| 208 | 3 | 60 | 4.7 A | 25.0 A | 0.27 A | 30.0 A | 40 A | 40 A | 208 | 3 | 60 | 25.0 A | 25.0 A | 35 A | 35 A |
| 240 | 3 | 60 | 4.2 A | 21.7 A | 0.24 A | 26.1 A | 35 A | 35 A | 240 | 3 | 60 | 21.7 A | 21.7 A | 30 A | 30 A |
| 480 | 3 | 60 | 2.1 A | 10.8 A | 0.12 A | 13.0 A | 20 A | 20 A | 480 | 3 | 60 | 10.8 A | 10.8 A | 15 A | 15 A |

| ELECTRICALLY HEATED (NO BOOSTER) - SINGLE POINT CONNECTION | | | | | | | | | |
|--|----|------|------------|-------------|---------|------------|------|------|--|
| VOLTS | PH | FREQ | WASH MOTOR | WASH HEATER | CONTROL | TOTAL LOAD | MCA | MOP | |
| 208 | 1 | 60 | 9.2 A | 43.3 A | 0.27 A | 52.8 A | 70 A | 70 A | |
| 240 | 1 | 60 | 9.1 A | 37.5 A | 0.24 A | 46.8 A | 60 A | 60 A | |
| 208 | 3 | 60 | 4.7 A | 25.0 A | 0.27 A | 30.0 A | 40 A | 40 A | |
| 240 | 3 | 60 | 4.2 A | 21.7 A | 0.24 A | 26.1 A | 35 A | 35 A | |
| 480 | 3 | 60 | 2.1 A | 10.8 A | 0.12 A | 13.0 A | 20 A | 20 A | |

| STEAM HEATED / SINGLE POINT CONNECTION | | | | | | | | |
|--|----|------|-----------|---------|------------|------|------|--|
| VOLTS | PH | FREQ | WASH PUMP | CONTROL | TOTAL LOAD | MCA | MOP | |
| 208 | 1 | 60 | 9.2 A | 0.31 A | 9.5 A | 15 A | 15 A | |
| 240 | 1 | 60 | 9.1 A | 0.26 A | 9.4 A | 15 A | 15 A | |
| 208 | 3 | 60 | 4.7 A | 0.31 A | 5.0 A | 15 A | 15 A | |
| 240 | 3 | 60 | 4.2 A | 0.26 A | 4.5 A | 15 A | 15 A | |
| 480 | 3 | 60 | 2.1 A | 0.13 A | 2.2 A | 15 A | 15 A | |



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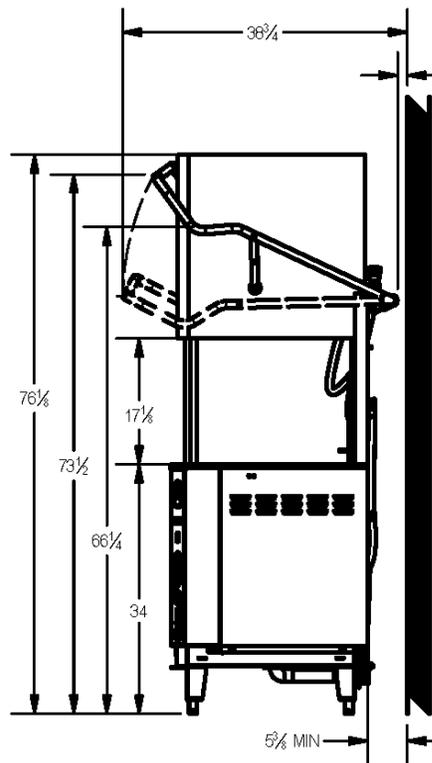
High Temperature Single Tank Door Type Dishwasher

| ACCESS & CONNECTION POINTS | | |
|----------------------------|-----------------------------|-------------|
| ITEM | DESCRIPTION | SIZE |
| W | WATER INLET | 1/2 NPT |
| D | DRAIN | 1-1/2 NPT |
| E1 | MAIN ELECTRICAL | 1-3/8" Hole |
| E2 | AUX ELECTRICAL (DUAL POINT) | 1-3/8" Hole |
| C1 | CHEMICAL LINE ACCESS #1 | 1/2" Hole |
| C2 | CHEMICAL LINE ACCESS #2 | 1/2" Hole |
| C3 | CHEMICAL SIGNAL WIRES | 1/2" Hole |
| CP1 | CONDUCTIVITY PROBE WIRE | 1/2" Hole |
| CP2 | CONDUCTIVITY PROBE | 7/8" Hole |
| DET | DETERGENT INSERSION PT. | 7/8" Hole |
| RA | RINSE AID INSERSION PT. | 1/4 NPT |

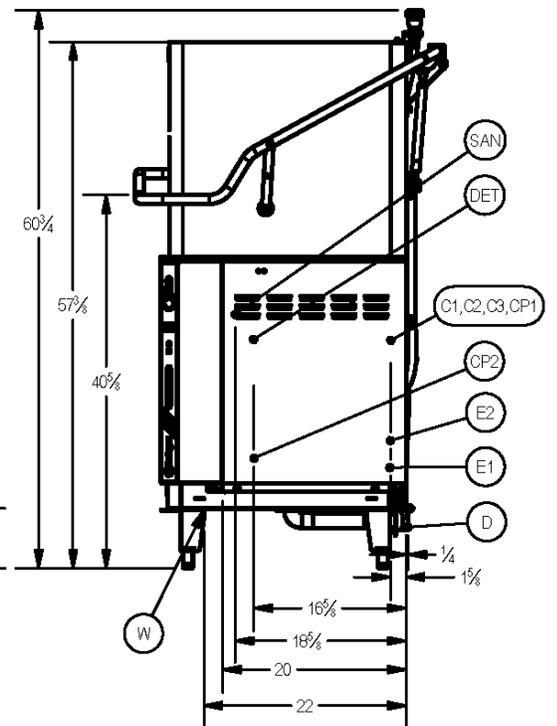
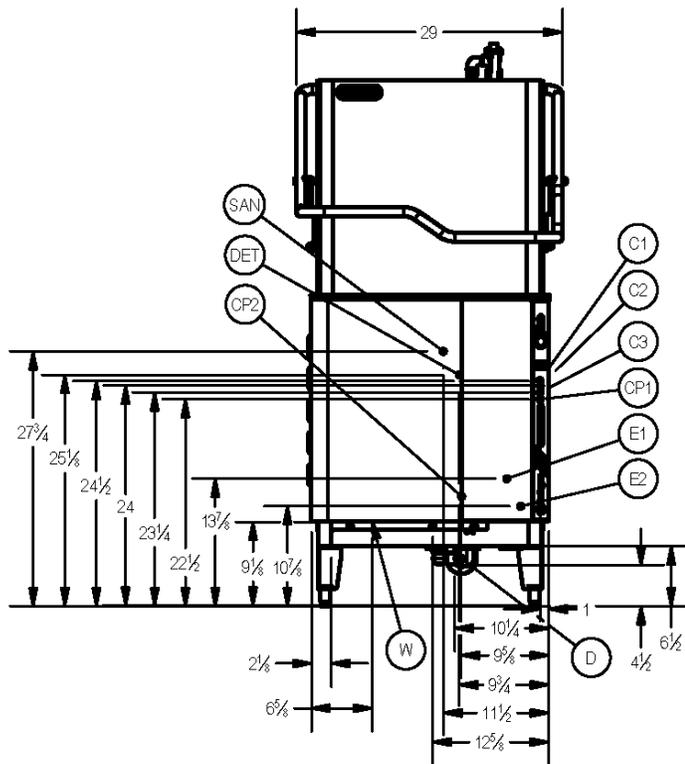
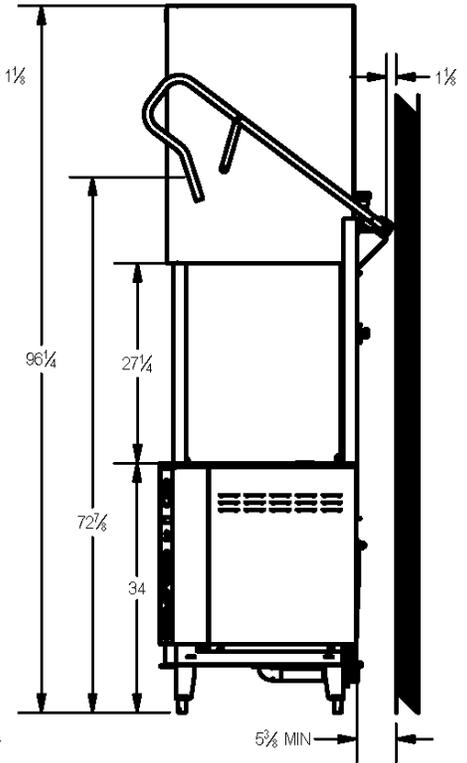
ALL CONNECTION POINTS SHOWN APPLY TO BOTH THE STANDARD AND HIGH HOOD UNITS

NOTE: ALL VERTICAL DIMENSIONS ARE +/- 1/2" DUE TO ADJUSTABLE BULLET FEET

STANDARD HOOD



HIGH HOOD

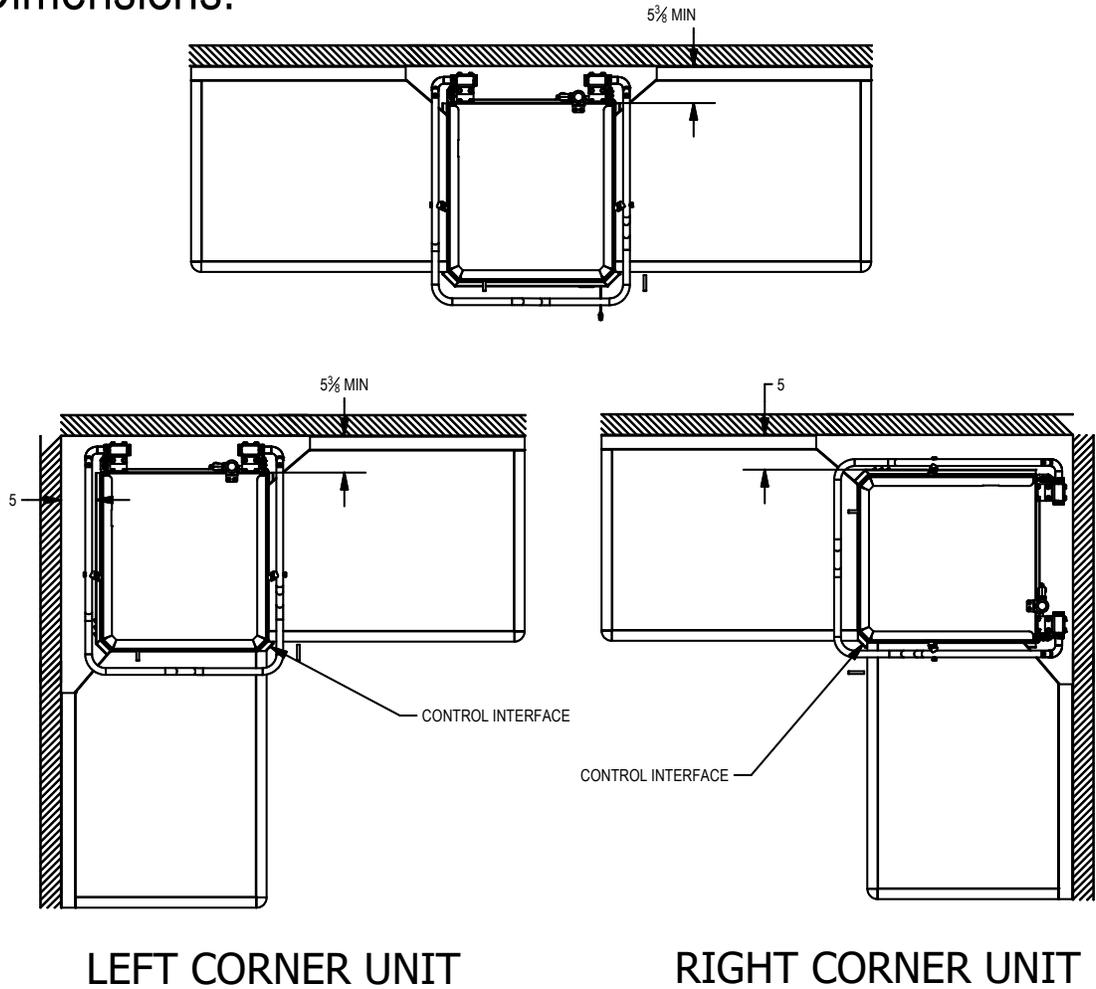




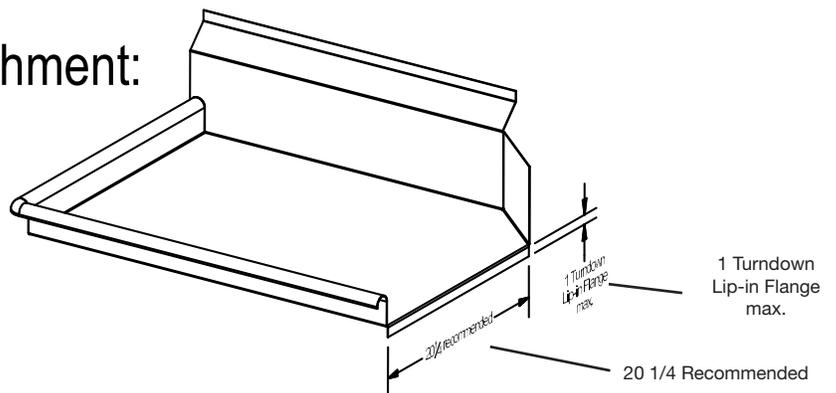
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High Temperature Single Tank Door Type Dishwasher

Table Dimensions:



Tabling Attachment:



We reserve the right to change specifications in this bulletin without incurring any obligation for equipment previously or subsequently sold.