



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER:  
**COR61331**

PAGE:  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**BUYER 32**  
**304-558-0492**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

**Douglas Equipment**  
**301 North Street**  
**Bluefield, WV 24701**  
**(304) 327-0149 1-(800) 962-8618**

**DIVISION OF CORRECTIONS**  
**617 LEON SULLIVAN WAY**  
**CHARLESTON, WV**  
**25301 304-558-8045**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/16/2007				

BID OPENING DATE: **02/13/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<b>REQUEST FOR QUOTATION</b> THE PURCHASING DIVISION IS SOLICITING BIDS FOR THE DIVISION OF CORRECTIONS TO PROVIDE ONE (1) COMMERCIAL CONVEYOR STYLE DISHWASHER INSTALLED IN THE NORTHERN CORRECTIONAL FACILITY, MOUNDSVILLE, WV. ATTACHMENTS: 1. SPECIFICATIONS 2. AFFIDAVIT *MANDATORY ON-SITE PRE-BID: JANUARY 31, 2007; 1:00 PM *NOTE: ALL INTERESTED BIDDERS SHALL CONTACT ESTRALITA GILLIES AT LEAST TWO DAYS PRIOR TO THE PRE-BID DATE - MORE NOTICE IS APPRECIATED. PLEASE CALL (304) 843-4067.						
0001	1	LS		165-29	\$ 42,080 <sup>00</sup>	\$42,080 <sup>00</sup>
COMMERCIAL CONVEYOR DISHWASHER INSTALLED EXHIBIT 5 NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 90 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. UNLESS OTHERWISE SPECIFIED, THE FULLY EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED. CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS OR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM						

**RECEIVED**

2007 FEB 14 A 11: 05

PURCHASING DIVISION  
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE Ray Wilson TELEPHONE (800) 962-8618 DATE 2-12-07

TITLE Bid Specialist FEIN 550585890 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
14. **HIPAA Business Associate Addendum -** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

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**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

**SIGNED BID TO:**

Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130



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VENDOR

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 (304) 327-0149 1-(800) 962-8618**

SHIP TO

**DIVISION OF CORRECTIONS  
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<p>WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HERE IN.</p> <p>WAGE RATES: THE CONTRACTOR OR SUBCONTRACTOR SHALL PAY THE HIGHER OF THE U.S. DEPARTMENT OF LABOR MINIMUM WAGE RATES AS ESTABLISHED FOR MARSHALL COUNTY, PURSUANT TO WEST VIRGINIA CODE 21-5A, ET, SEQ. (PREVAILING WAGE RATES APPLY TO THIS PROJECT)</p> <p>ARBITRATION: ANY REFERENCES MADE TO ARBITRATION OR INTEREST FOR PAYMENTS DUE (EXCEPT FOR ANY INTEREST REQUIRED BY STATE LAW) CONTAINED IN THIS CONTRACT OR IN ANY AMERICAN INSTITUTE OF ARCHITECTS DOCUMENTS PERTAINING TO THIS CONTRACT ARE HEREBY DELETED.</p> <p>WORKERS' COMPENSATION: VENDOR IS REQUIRED TO PROVIDE A CERTIFICATE FROM WORKERS' COMPENSATION IF SUCCESSFUL.</p> <p>ALL OF THE ITEMS CHECKED BELOW WILL BE A REQUIREMENT OF THIS CONTRACT:</p> <p>(XX) INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF COMMERCIAL GENERAL LIABILITY INSURANCE PRIOR TO ISSUANCE OF CONTRACT. UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS, THE MINIMUM AMOUNT OF INSURANCE COVERAGE REQUIRED IS \$250,000.</p> <p>( ) BUILDERS RISK INSURANCE: SUCCESSFUL VENDOR SHALL FURNISH PROOF OF BUILDERS RISK - ALL RISK INSURANCE IN AN AMOUNT EQUAL TO 100% OF THE AMOUNT OF THE CONTRACT.</p> <p>(XX) BONDS: FIVE PERCENT (5%) OF THE TOTAL AMOUNT OF THE BID PAYABLE TO THE STATE OF WEST VIRGINIA, SHALL BE SUBMITTED WITH EACH BID AS A BID BOND. THE SUCCESSFUL BIDDER SHALL ALSO FURNISH A PERFORMANCE BOND AND LABOR/MATERIAL BOND FOR 100% OF THE AMOUNT OF THE CONTRACT.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ray Sullivan</i>	TELEPHONE (800) 962-8618	DATE 2-12-07
TITLE Bid Specialist	FEIN 550585890	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>BONDS MAY BE PROVIDED IN THE FORM OF A CERTIFIED CHECK, IRREVOCABLE LETTER OF CREDIT, OR BOND FURNISHED BY A SOLVENT SURETY COMPANY AUTHORIZED TO DO BUSINESS IN THE STATE OF WEST VIRGINIA. A LETTER OF CREDIT SUBMITTED IN LIEU OF A PERFORMANCE AND LABOR &amp; MATERIAL BOND WILL ONLY BE ALLOWED FOR PROJECTS UNDER \$100,000. PERSONAL OR BUSINESS CHECKS ARE NOT ACCEPTABLE IN LIEU OF THE 5% BID BOND, PERFORMANCE BOND, OR LABOR AND MATERIAL BOND.</p> <p>( ) MAINTENANCE BOND: A TWO (2) YEAR MAINTENANCE BOND COVERING THE ROOFING SYSTEM WILL BE A REQUIREMENT OF THE SUCCESSFUL VENDOR.</p> <p>REV. 11/00</p> <p>EXHIBIT 7</p> <p>DOMESTIC ALUMINUM, GLASS &amp; STEEL IN PUBLIC WORKS PROJECTS</p> <p>IN ACCORDANCE WITH WEST VIRGINIA CODE 5-19-1 ET., SEQ., EVERY CONTRACT FOR CONSTRUCTION, RECONSTRUCTION, ALTERATION, REPAIR, IMPROVEMENT OR MAINTENANCE OF PUBLIC WORKS, WHERE THE COST IS MORE THAN \$50,000 AND, IN THE CASE OF STEEL ONLY, WHERE THE COST OF STEEL IS MORE THAN \$50,000 OR WHERE MORE THAN 10,000 POUNDS OF STEEL ARE REQUIRED, THE STATE WILL ACCEPT ONLY ALUMINUM GLASS, OR STEEL PRODUCTS PRODUCED IN THE UNITED STATES IN ADDITION, ITEMS OF MACHINERY OR EQUIPMENT PURCHASED FOR USE AT THE SITE OF PUBLIC WORKS SHALL BE MADE OF DOMESTIC ALUMINUM, GLASS OR STEEL, UNLESS THE COST OF THE PRODUCT IS LESS THAN \$50,000 OR LESS THAN 10,000 POUNDS OF STEEL ARE USED IN PUBLIC WORKS PROJECTS.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ray Ellison</i>	TELEPHONE <b>(800) 962-8618</b>	DATE <b>2-12-07</b>
TITLE <b>BID SPECIALIST</b>	FEIN <b>550585890</b>	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>FOREIGN MADE ALUMINUM, GLASS OR STEEL PRODUCTS MAY BE ACCEPTED ONLY IF THE COST OF DOMESTIC PRODUCTS IS FOUND TO BE UNREASONABLE. SUCH COST IS UNREASONABLE IF IT IS 20% OR MORE HIGHER THAN THE BID PRICE FOR FOREIGN MADE PRODUCTS. IF THE DOMESTIC ALUMINUM, GLASS OR STEEL PRODUCTS TO BE SUPPLIED OR PRODUCED IN A "SUBSTANTIAL LABOR SURPLUS AREA", AS DEFINED BY THE UNITED STATES DEPARTMENT OF LABOR, FOREIGN PRODUCTS MAY BE SUPPLIED ONLY IF DOMESTIC PRODUCTS ARE 30% OR MORE HIGHER IN PRICE THAN THE FOREIGN MADE PRODUCTS.</p> <p>IF, PRIOR TO THE AWARD OF A CONTRACT UNDER THE ABOVE PROVISIONS, THE SPENDING OFFICER OF THE SPENDING UNIT DETERMINES THAT THERE EXISTS A BID FOR LIKE FOREIGN ALUMINUM, GLASS OR STEEL THAT IS REASONABLE AND LOWER THAN THE LOWEST BID DOMESTIC PRODUCTS, THE SPENDING OFFICE MAY REQUEST, IN WRITING, A REEVALUATION AND REDUCTION IN THE LOWEST BID FOR SUCH DOMESTIC PRODUCTS ALL VENDORS MUST INDICATE IN THEIR BID IF THEY ARE SUPPLYING FOREIGN ALUMINUM, GLASS OR STEEL.</p> <p>REV. 3/88</p> <p>EXHIBIT 9</p> <p>NOTICE FOR ISSUANCE &amp; ACKNOWLEDGEMENT OF CONSTRUCTION PROJECT ADDENDA</p> <p>THE ARCHITECT/ENGINEER AND/OR AGENCY SHALL BE REQUIRED TO ABIDE BY THE FOLLOWING SCHEDULE IN ISSUING CONSTRUCTION PROJECT ADDENDA FOR STATE AGENCIES:</p> <p>(1) THE ARCHITECT/ENGINEER SHALL PREPARE THE ADDENDUM AND A LIST OF ALL PARTIES THAT HAVE PROCURED DRAWINGS AND SPECIFICATIONS FOR THE PROJECT. THE ADDENDUM</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ray Ellison</i>	TELEPHONE <b>(800) 962-8618</b>	DATE <b>2-12-07</b>
TITLE <b>Bid Specialist</b>	FEIN <b>550585890</b>	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>AND LIST SHALL BE FORWARDED TO THE BUYER IN THE STATE PURCHASING DIVISION. THE ARCHITECT/ENGINEER SHALL ALSO SEND A COPY OF THE ADDENDUM TO THE STATE AGENCY FOR WHICH THE CONTRACT IS ISSUED.</p> <p>(2) THE BUYER SHALL SEND THE ADDENDUM TO ALL INTERESTED PARTIES AND, IF NECESSARY, EXTEND THE BID OPENING DATE. ANY ADDENDUM SHOULD BE RECEIVED BY THE BUYER WITHIN FOURTEEN (14) DAYS PRIOR TO THE BID OPENING DATE.</p> <p>(3) ALL ADDENDA SHOULD BE FORMALLY ACKNOWLEDGED BY ALL BIDDERS AND SUBMITTED TO THE STATE PURCHASING DIVISION AND THE STATE AUDITOR'S OFFICE. THE SAME RULES AND REGULATIONS THAT APPLY TO THE ORIGINAL BIDDING DOCUMENT SHALL ALSO APPLY TO AN ADDENDUM DOCUMENT. THE ONLY EXCEPTION MAY BE FOR AN ADDENDUM THAT IS ISSUED FOR THE SOLE PURPOSE OF CHANGING A BID OPENING TIME AND/OR DATE.</p> <p>REV. 11/96</p> <p>EXHIBIT 10</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NOS.:</p> <p>NO. 1 ..... ✓</p> <p>NO. 2 ..... ✓</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE Ray Ellison TELEPHONE (800) 962-8618 DATE 2-12-07

TITLE Bid Specialist FEIN 550585890 ADDRESS CHANGES TO BE NOTED ABOVE

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**25301**      **304-558-8045**

DATE PRINTED <b>01/16/2007</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **02/13/2007**      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
NO. 3		✓				
NO. 4						
NO. 5						
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS.</p> <p>..... <i>Ray Ellison</i> ..... SIGNATURE</p> <p>..... <b>DOUGLAS EQUIPMENT</b> ..... COMPANY</p> <p>..... <b>2-12-2007</b> ..... DATE</p> <p>REV. 11/96</p> <p>CONTRACTORS LICENSE</p> <p>WEST VIRGINIA STATE CODE 21-11-2 REQUIRES THAT ALL PERSONS DESIRING TO PERFORM CONTRACTING WORK IN THIS STATE MUST BE LICENSED. THE WEST VIRGINIA CONTRACTORS LICENSING BOARD IS EMPOWERED TO ISSUE THE CONTRACTORS LICENSE. APPLICATIONS FOR A CONTRACTORS LICENSE MAY BE MADE BY CONTACTING THE WEST VIRGINIA DIVISION OF LABOR CAPITOL COMPLEX, BUILDING 3, ROOM 319, CHARLESTON, WV 25305. TELEPHONE: (304) 558-7890.</p> <p>WEST VIRGINIA STATE CODE 21-11-11 REQUIRES ANY PROSPECTIVE BIDDER TO INCLUDE THE CONTRACTORS LICENSE NUMBER ON THEIR BID.</p> <p>BIDDER TO COMPLETE:</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ray Ellison</i>	TELEPHONE <b>(800) 962-8618</b>	DATE <b>2-12-07</b>
TITLE <b>Bid Specialist</b>	FEIN <b>550585890</b>	ADDRESS CHANGES TO BE NOTED ABOVE

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<p>CONTRACTORS NAME: ..... <b>DOUGLAS EQUIPMENT</b> .....</p> <p>CONTRACTORS LICENSE NO.: <b>WV 0087122</b> .....</p> <p>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FURNISH A COPY OF THEIR CONTRACTORS LICENSE PRIOR TO ISSUANCE OF A PURCHASE ORDER/CONTRACT</p> <p>APPLICABLE LAW</p> <p>THE WEST VIRGINIA STATE CODE, PURCHASING DIVISION RULE AND REGULATIONS, AND THE INFORMATION PROVIDED IN THE "REQUEST FOR QUOTATION" ISSUED BY THE PURCHASING DIVISION IS THE SOLE AUTHORITY GOVERNING THIS PROCUREMENT.</p> <p>ANY INFORMATION PROVIDED IN SPECIFICATION MANUALS, OR ANY OTHER SOURCE, VERBAL OR WRITTEN, WHICH CONTRADICTS OR ALTERS THE INFORMATION PROVIDED FROM THE SOURCES AS DESCRIBED IN THE ABOVE PARAGRAPH IS VOID AND OF NO EFFECT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>REV. 1/2005</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <b>Ry Ellison</b>	TELEPHONE <b>(800) 962-8618</b>	DATE <b>2-12-07</b>
TITLE <b>Bid Specialist</b>	FEIN <b>550585890</b>	ADDRESS CHANGES TO BE NOTED ABOVE

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<b>PURCHASING DIVISION            BUILDING 15            2019 WASHINGTON STREET, EAST            CHARLESTON, WV 25305-0130</b>						
THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:						
<b>SEALED BID</b>						
<b>BUYER: JOHN ABBOTT</b>						
<b>REQ. NO.: COR61331</b>						
<b>BID OPENING DATE: FEBRUARY 13, 2007</b>						
<b>BID OPENING TIME: 1:30 PM</b>						
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
<b>(304) 325-3848</b>						
PLEASE PRINT OR TYPE NAME OF PERSON TO CONTACT CONCERNING THIS QUOTE:						
<b>Roy Ellison</b>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Roy Ellison</i>	TELEPHONE <b>(800) 962-8618</b>	DATE <b>2-12-07</b>
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***** THIS IS THE END OF RFQ COR61331 ***** TOTAL:						<u>\$ 42,080.00</u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Roy Ellison</i>	TELEPHONE <i>(800) 962-8618</i>	DATE <i>2-12-07</i>
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**COR61331 – Northern Correctional Facility – Commercial Conveyor Dishwasher Specifications**

The West Virginia Division of Corrections is soliciting bids for the Northern Correctional Facility, Moundsville, WV, to provide one commercial conveyor type dishwasher installed in the kitchen area of the facility.

The below specifications are the minimum requirements for the dishwasher:

Hobart, Model CRS66A-ELEOAX or EQUAL.  
 208/60/03 Electric Heat  
 22" Pre-Wash Section, single tank, 202 racks/hour, 128 gallons/hour w/Opti-Rinse, auto fill, auto timer, top mount controls, s/s front panel frame & legs  
 Electric Tank Heat 15KW  
 W/O single point electric connection  
 W/O condenser  
 W/O steam dryer  
 W/O electric dryer  
 30 KW electric booster  
 Right to Left Operation  
 6" Taller than standard chamber height  
 W/O vent stack & damper in rs  
 Conveyor for 20 X 20 racks  
 W/conveyor dwell  
 Std. thermometers  
 W/vent fan control  
 Straight loading  
 W/O power un-loader  
 W/O power un-loader hood  
 W/lower pre-wash arm  
 W/O direct drive un-loader  
 W/transformer  
 Std. feet  
 W/O pre-wash temp control  
 W/O low temp rinse arm  
 Common water connection  
 Vent hood with 4 X 16 vent and damper (load or unload end)  
 Vent hood, short  
 3/4" brass pressure regulators  
 Direct drive un-loader rl

For clarification purposes of the above items W/ indicates with and W/O indicates without.

**Quantity 1**

Soiled Dishtable – Aerowerks or equal. Custom Fabricated L shaped 12'4" X 8'5½" long X 30" wide X 34" high 14 ga. Stainless steel top. Table shall be formed with 9" backsplash along all walls and vertical and horizontal corners coved to a 3/4" radius. Provide pre-rinse sink 22" X 22" X 6" deep complete with a perforated scrap basket.

Unit shall be 14 ga. stainless steel construction and shall form integral part of soiled dish table. Furnish table with wall mounted retractable hose station. Support table on 1 5/8" diameter stainless steel legs with adjustable bullet feet. Legs shall be positioned to align up front-to-back for maximum access for cleaning. Legs shall be supported with 14 ga. stainless steel leg channels. All cross-rails shall be fully welded to legs with all welds polished and ground smooth.

**Quantity 1**

Clean Dish table – Aerowerks or equal. Custom Fabricated 14 ga. stainless steel clean dish table. Unit shall be 8'10" long X 29" wide and 34" high. Support table on 1 5/8" diameter stainless steel legs with adjustable bullet feet. Legs shall be positioned to align up front-to-back for maximum access for cleaning. Legs shall be supported with 14 ga. stainless steel leg channels. All cross-rails shall be fully welded to legs with all welds polished and ground smooth. Furnish table with pre-wired limit switch.

Contractor shall include all warranty periods for each item listed.

The Northern Correctional Facility will dismantle and remove current equipment and prepare and restore area prior to contract installation. Successful vendor will work closely with Northern Correctional Facility staff for timeline.

All bidders must submit detailed specification of bidding other than models listed above.

A mandatory pre-bid meeting will be held on January 31, 2007 at 1:00 PM, at the Northern Correctional Facility. All interested vendors should contact Estralita Gillies at 304-843-4067 at least two days in advance.



# A F F I D A V I T

**West Virginia Code §5A-3-10a states:**

No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**EXCEPTION:**

The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**LICENSING:**

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3); it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: DOUGLAS EQUIPMENT

Authorized Signature:  Date: 2-12-07



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER: **COR61331**

PAGE: **1**

ADDRESS: CORRESPONDENCE TO ATTENTION OF:  
**BUYER 32**  
**304-558-0492**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

**Douglas Equipment**  
**301 North Street**  
**Bluefield, WV 24701**  
**(304) 327-0149 1-(800) 962-8618**

**DIVISION OF CORRECTIONS**  
**617 LEON SULLIVAN WAY**  
**CHARLESTON, WV**  
**25301 304-558-8045**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/18/2007				

BID OPENING DATE: **02/13/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
THIS ADDENDUM HAS BEEN ISSUED TO RE-SCHEDULE THE MANDATORY ON-SITE PRE-BID FROM JANUARY 31, 2007 AT 1:00 PM TO FEBRUARY 1, 2007 AT 2:00 PM.						
***** END OF ADDENDUM NO. 1 *****						
0001	1	LS		165-29	\$42,080 <sup>00</sup>	\$42,080 <sup>00</sup>
COMMERCIAL CONVEYOR DISHWASHER INSTALLED						
***** THIS IS THE END OF RFQ COR61331 ***** TOTAL:						\$42,080 <sup>00</sup>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ray Sullivan</i>	TELEPHONE (800) 962-8618	DATE 2-12-07
TITLE Bid Specialist	FEIN 550585890	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
14. **HIPAA Business Associate Addendum** - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

---

**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

**SIGNED BID TO:**

Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130





State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
**COR61331**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**JOHN ABBOTT**  
**304-558-2544**

VENDOR

**Douglas Equipment**  
**301 North Street**  
**Bluefield, WV 24701**  
**(304) 327-0149 1-(800) 962-8618**

SHIP TO

**DIVISION OF CORRECTIONS**  
**617 LEON SULLIVAN WAY**  
**CHARLESTON, WV**  
**25301 304-558-8045**

DATE PRINTED <b>02/04/2007</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE: <b>02/13/2007</b> BID OPENING TIME <b>01:30PM</b>				

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<b>ADDENDUM #02</b>						
THIS ADDUENUM IS ISSUED TO MODIFY, ADD TO, OR DELETE CERTAIN REQUIREMENTS OF THE ORIGINAL SPECIFICATIONS. THE CHANGES ARE AS FOLLOWS:						
1. TABLES ARE TO BE FLANGED STAINLESS STEEL LEGS AND BOLTED TO THE FLOOR SO THE TABLES CAN NOT BE LIFTED AND REMOVED WITHOUT THE AID OF HAND TOOLS.						
2. A BID SHALL BE SUBMITTED FOR TWO DIFFERENT WORKING HOURS FOR THE INSTALLATION. OPTION A = 8:00 AM TO 5:00 PM; OPTION B = 7:00 PM TO 3:00 AM.						
***** END OF ADDENDUM # 02 *****						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *[Signature]* TELEPHONE **(800) 962-8618** DATE **2-12-07**  
 TITLE **Bid Specialist** FEIN **550585890** ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

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10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller
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---

**INSTRUCTIONS TO BIDDERS**

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**SIGNED BID TO:**

Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
**COR61331**

PAGE  
**1**

ADDRESS: CORRESPONDENCE TO ATTENTION OF:  
**JOHN ABBOTT**  
**304-558-2544**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

**Douglas Equipment**  
**301 North Street**  
**Bluefield, WV 24701**  
**(304) 327-0149 1-(800) 962-8618**

SHIP TO

**DIVISION OF CORRECTIONS**  
**617 LEON SULLIVAN WAY**  
**CHARLESTON, WV**  
**25301 304-558-8045**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
02/08/2007				

BID OPENING DATE: **02/15/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<b>ADDENDUM #03</b>						
THIS ADDENDUM IS ISSUED TO ADD THE REQUIREMENT OF A SPECIFIC RETRACTABLE HOSE STATION; AND TO EXTEND THE BID OPENING DATE.						
THE ADDITIONAL REQUIREMENT AND CHANGE ARE AS FOLLOWS:						
1. RETRACTABLE HOSE STATION SHALL BE A FISHER MODEL # 2985 OR EQUAL - SEE ATTACHED SPECIFICATION PAGE						
2. EXTEND THE BID OPENING DATE TO 2/15/2007; 1:30 PM						
***** END OF ADDENDUM #03 *****						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ray Sollerion</i>	TELEPHONE <i>(800) 962-8618</i>	DATE <i>2-12-07</i>
TITLE <i>Bid Specialist</i>	FEIN <i>55085890</i>	ADDRESS CHANGES TO BE NOTED ABOVE

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---

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**SIGNED BID TO:**

Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130



701 S Ridge Avenue, Troy, OH 45374  
1-888-4HOBART • www.hobartcorp.com

**CRS66A/CRS66AW  
DISHWASHER**

**HOBART**

**STANDARD FEATURES**

- 202 racks per hour – CRS66A
- 126 racks per hour – CRS66AW
- Opti-RinSe™ system
- Ball detent clutch conveyor drive mechanism
- Top mounted controls
- Stainless steel anti-clogging wash arms
- Stainless front panel, frame and legs
- Automatic fill
- Auto-timer
- Scrap screen and deep basket system
- Stainless steel self-draining pump and impeller
- Fixed pump intake screen
- Door actuated drain closure
- Door interlock switch on all doors
- Vent fan control
- Convertible hot water or low temp final rinse
- Booster heater control

**MODEL**

- CRS66A – Dishwasher
- CRS66AW – Dishwasher  
(12% lower water use)

**ACCESSORIES**

- Stainless steel vent hoods
- Direct drive unloader
- Side loader

Specifications, Details and Dimensions on Inside and Back.



**DIRECTION OF OPERATION**

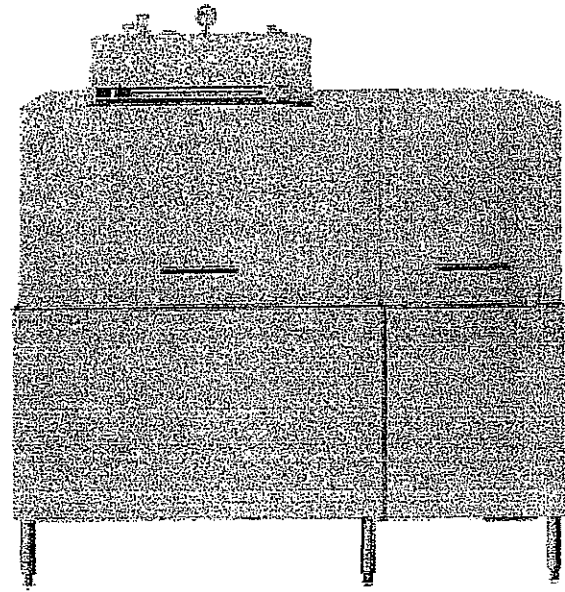
- Right to Left
- Left to Right

**VOLTAGE**

- 208/60/1       208/60/3
- 240/60/1       240/60/3
- 480/60/3

**OPTIONS AT EXTRA COST**

- Stainless steel pressureless 15 kw or 30 kw booster heater
- Single point electrical connection (does not include booster heater)
- 6" higher than standard chamber
- Conveyor dwell
- Side loader
- Blower-dryer
- Lower pre-wash arm
- Pre-wash temperature control



**CRS66A/CRS66AW DISHWASHER**

# CRS66A/CRS66AW DISHWASHER

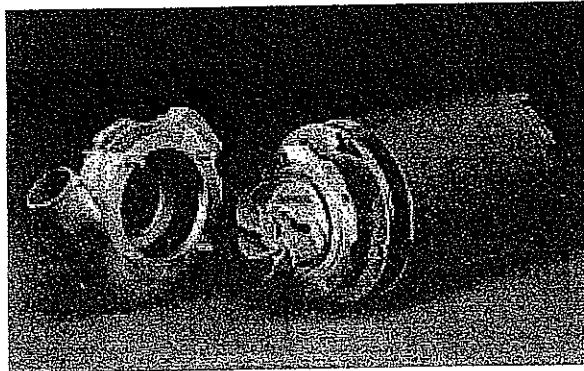
## HOBART

701 S Ridge Avenue, Troy, OH 45374  
1-888-4HOBART • www.hobartcorp.com

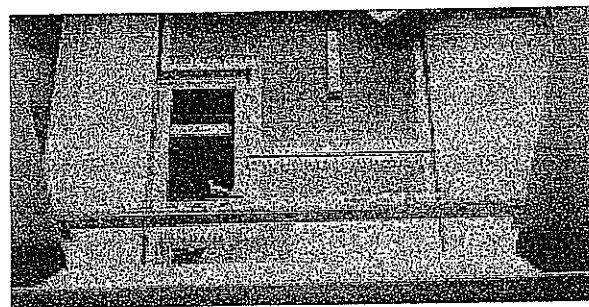
P13

### C-LINE DISHWASHER NOW STANDARD WITH MORE PRODUCTIVE FEATURES THAN EVER . . .

Inside and out the C-Line Hobart dishwashers are packed with standard components and design innovations that make them the biggest value in the dishwasher industry.

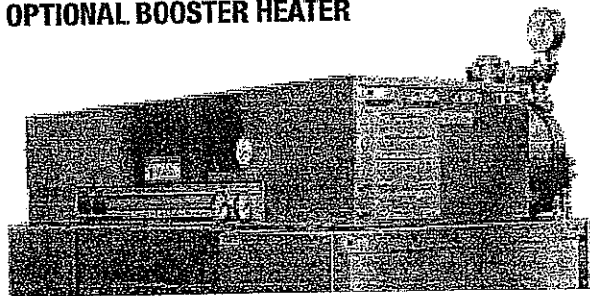


**Stainless Steel Self-Draining Pump and Impeller.** Pump and impeller are stainless steel for maximum durability. A fixed pump intake screen prevents debris from entering into the pump.

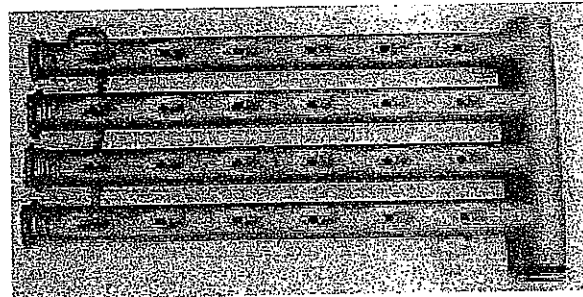


**Lift-Out Scrap Basket.** Screen design sheds soil more easily than flat screens, reduces frequency of cleaning – easy to empty large soil particles . . . Just lift out scrap basket under screens.

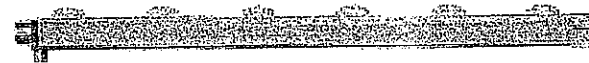
### OPTIONAL BOOSTER HEATER



**Built-in Pressureless Stainless Steel Booster Heater.** Interwired and interplumbed. Saves on installation and saves floor space. Simplifies operation with just one switch to power dishmachine and booster.



**Wash Arms.** Computer-designed prewash and wash arms resist clogging, easily removed for cleaning (CRS-66A shown).



**Opti-RinSe™.** Hobart's exclusive patent pending Opti-RinSe™ significantly reduces operating cost by reducing rinse water and the energy required to heat the water. The unique spray pattern uses large droplets to more efficiently sanitize the ware.

### OTHER STANDARD FEATURES . . .

- **Low-Temp Convertibility In Field.** Order your C-Line with hot water sanitizing or energy-saving low temperature chemical sanitizing – then, if requirements change, convert from one mode to the other in the field. An exclusive feature – standard from Hobart.
- **Auto-Fill.** One button automatic fill ensures optimum tank level, and the simplest operation.
- **Auto-Timer.** Automatically activates the warewasher when a rack enters the machine, and after the last rack has passed, shuts off the pump and conveyor while maintaining tank heat temperature. Extends machine life, requires less operator attention and promotes significant energy savings.
- **Door Actuated Drain Closures.** Closing the door automatically actuates drain closures, eliminates extra manual steps, insures that closures are in the correct position.
- **Vent Fan Control and Booster Heater Control.** Allows for interconnection to dishwasher.

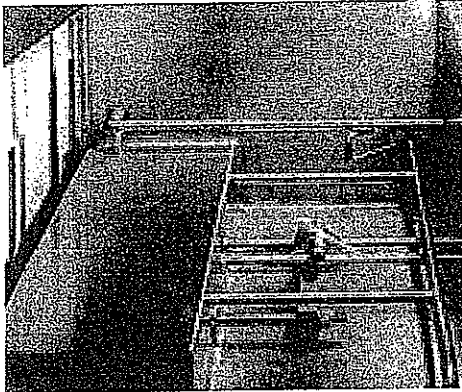
**HOBART**

701 S Ridge Avenue, Troy, OH 45374  
1-888-4HOBART • www.hobartcorp.com

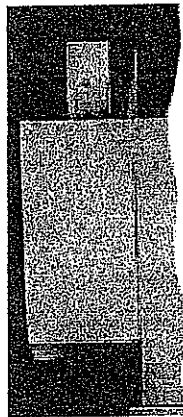
**CRS66A/CRS66AW** PH 4  
**DISHWASHER**

**AVAILABLE OPTIONS . . .**

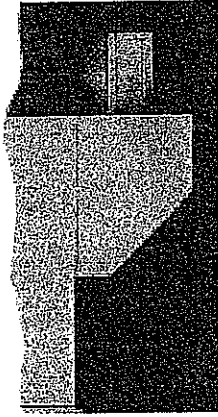
Flexibility is synonymous with Hobart C-Line dishwashers. If your operation demands a dishwasher with a vent hood, an extended hood . . . a recirculating prewash, just specify the combination of options that suit your needs.



**Side Loader.** Save up to 20 square feet in the dishroom layout with an optional C-Line Side Loader. Racks are indexed 90° into the dishwasher automatically – a feature that cuts space and reduces labor dramatically. Your dishroom team will appreciate this feature.



**Extended Hood**



**Vent Hood**

C-Line Dishwashers are available with vent hoods or extended hoods, each with vent stack and locking-type damper, and both designed to fit either end of the dishwasher.

**OTHER AVAILABLE OPTIONS . . .**

Condenser, blower-dryer, conveyor dwell, steam booster heater, and a single-point electrical connection for 3 phase electric heat machines.

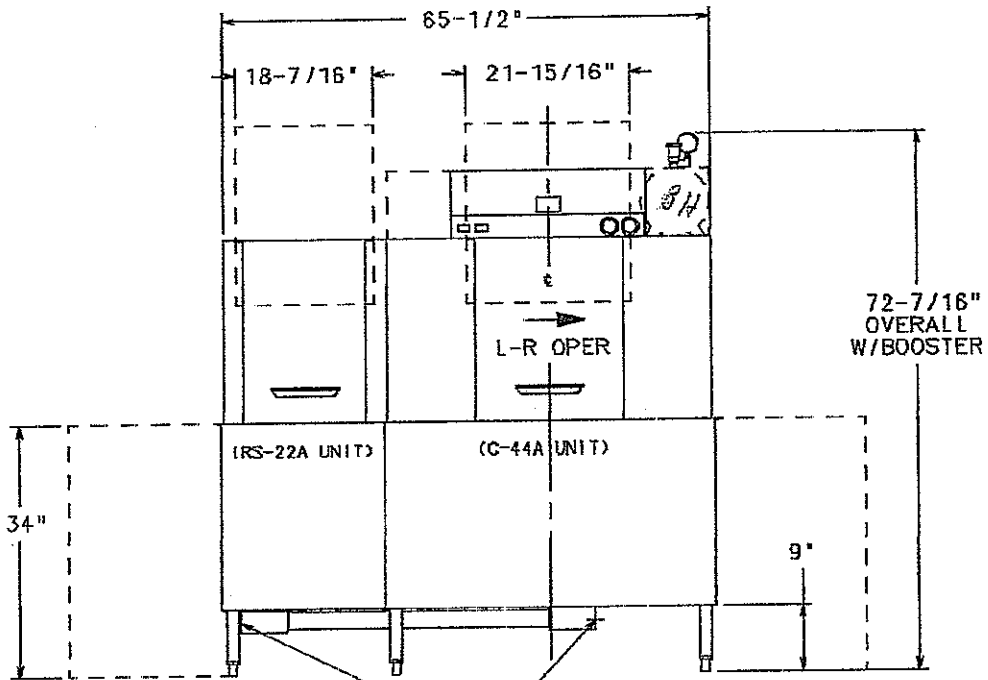
	CRS66A	CRS66AW
<b>Machine Ratings (Mechanical)</b>		
Racks per hour (19" x 19")	202	126
Conveyor Speed - feet per minute	5.6 max.	3.5 max.
Dishes per Hour (Average 25 per rack)	5,025	3,150
Glasses per Hour (Average 45 per rack)	9,045	5,670
<b>Floor Space - Table to Table (Inches)</b>	← 66 →	
<b>Overall Dimensions - H x W x D (Inches)</b>	← 70 1/4 x 67 3/8 x 30 1/4 →	
<b>Motor H.P.</b>	← Prewash 1 Wash 2 →	
<b>Conveyor Drive H.P.</b>	← 1/4 →	
<b>Blower-Dryer - Motor H.P. (if used)</b>	← 2 →	
<b>Electric Blower Dryer Heating Coils (if used)</b>	← 42.0 KW →	
<b>Blower-Dryer - Based on 20 PSI Flowing Steam if used (25 PSIG MAX.)</b>	← 110 →	
<b>Number of Tanks</b>	← 2 →	
<b>Tank Capacity - Gallons</b>	← Prewash 17 - Wash 23.0 →	
<b>Pump Capacity - Gallons per Minute - Weir Test</b>	Combined 204	Combined 159
<b>Heating Equipment - (For keeping power wash hot) Gas Burners (with Natural Gas) - BTU per hr.</b>	← 78,000 →	
<b>Steam Injectors</b>	← Regulated 3/4" →	
<b>Electric Heating Unit - Size Used</b>	← Regulated 15 KW →	
<b>Optional Booster Heater / Final Rinse</b>	← 15 KW / 30 KW →	
<b>Rinse - Minutes operated during hour of maximum operation</b>	← 60 →	
<b>Final Rinse Flow - Gals. per min. At 15 PSI Flow Pressure</b>	1.83	1.19
<b>At 20 PSI Flow Pressure</b>	2.19	1.36
<b>Final Rinse Flow - Gals. per hr. - MAXIMUM At 15 PSI Flow Pressure</b>	110	71
<b>At 20 PSI Flow Pressure</b>	128	82
<b>Rinse 20 PSI Flow Pressure Gal./Rack</b>	Hot Water Sanitizing - Chemical Sanitizing .64 - 180°F - .64 - 140°F   .65 - 180°F - .65 - 140°F	
<b>Steam Consumption - Pounds per hr. - MAXIMUM Approx. 30 lbs. per hr. = 1 boiler H.P. (BHP) Dishwasher, based on 20 PSI steam and on customer supplying final rinse water at 180°F maximum</b>	← 65 →	
<b>Steam Booster, if used on 20 PSI steam - 20 PSI water flowing - 130°F entering water raised to 180°F min.</b>	60	37
<b>Exhaust Requirements - Cubic Feet per minute</b>		
Entrance End	← 200 →	
Discharge End	← 400 →	
Discharge End w/Blower Dryer	← 1400 →	
<b>Peak Rate of Drain Flow - Gallons per minute. (Initial rate with full tank)</b>	← 38 →	
<b>Shipping Weight Crated - Approximate lbs.</b>	← 865 →	

**CRS66A/CRS66AW  
DISHWASHER**

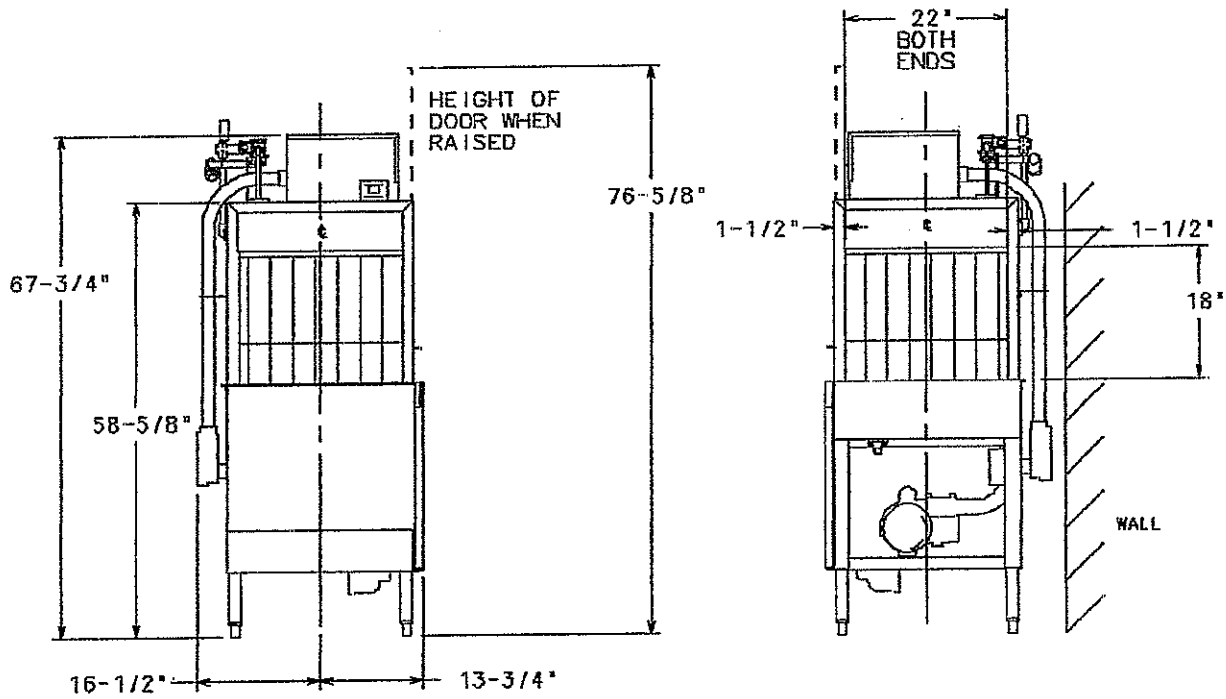
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P15



MAY BE DRAINED TO  
EITHER SIDE, PLUG  
OPPOSITE SIDE.

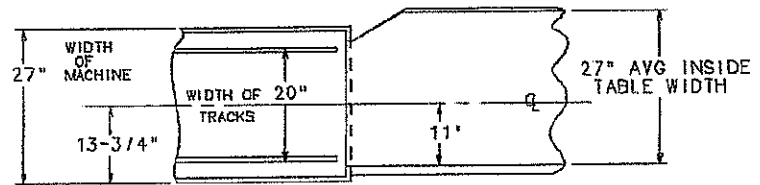
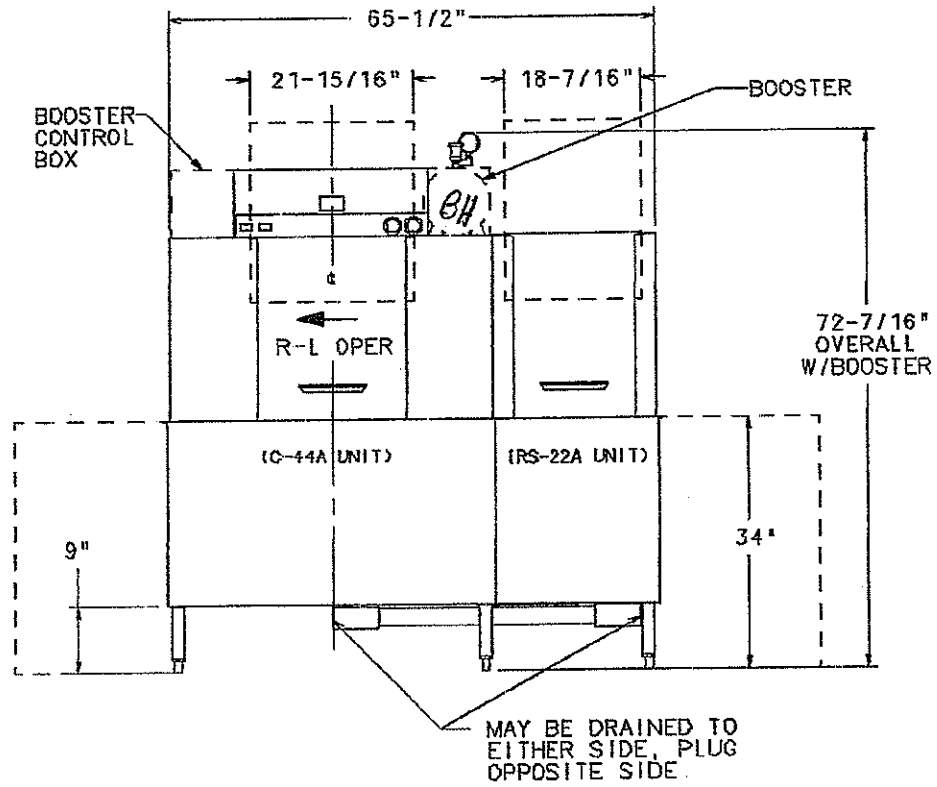




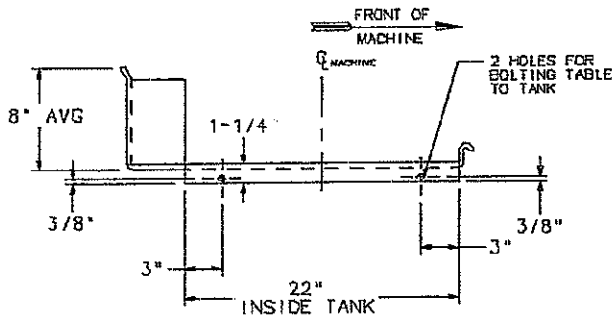
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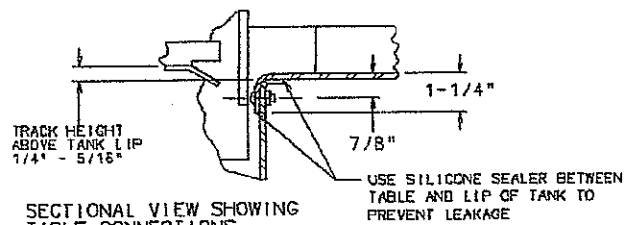
**CRS66A/CRS66AW** P16  
**DISHWASHER**



SUGGESTED TRACK AND TABLE LAYOUT



VIEW SHOWING HOLE LOCATIONS IN  
TURNED DOWN PORTION OF TABLE



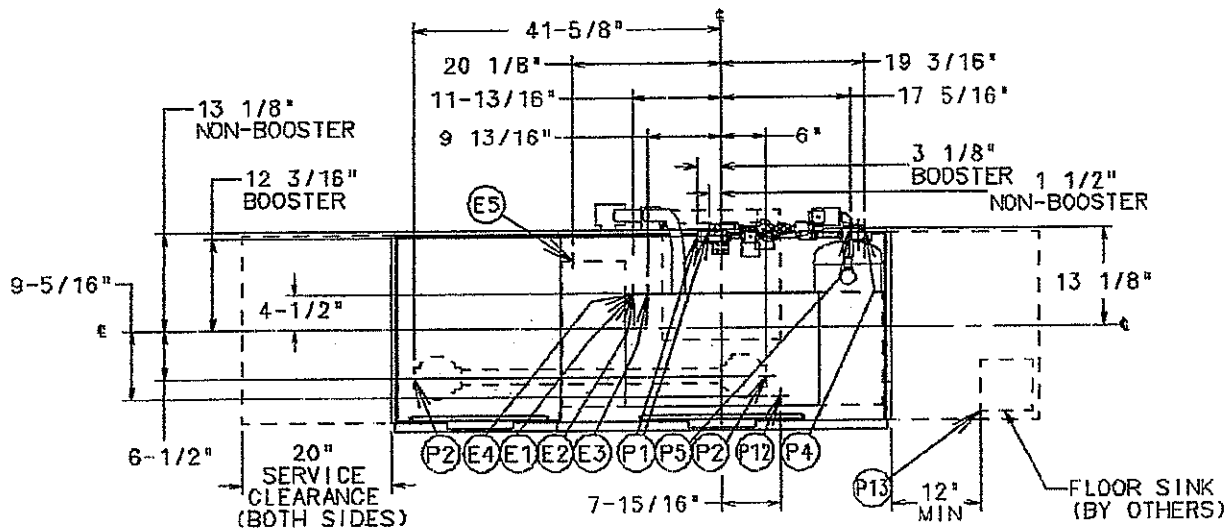
SECTIONAL VIEW SHOWING  
TABLE CONNECTIONS

# CRS66A/CRS66AW ELECTRIC L-R

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MODEL: CRS-66A/CRS-66AW  
L-R OPERATION  
D-435276/D-328074  
REV. K/REV. J

### PLUMBING NOTES:

- WATER HAMMER ARRESTOR (MEETING ASSE-1010 STANDARD OR EQUIVALENT) TO BE SUPPLIED (BY OTHERS) IN COMMON WATER SUPPLY LINE AT SERVICE CONNECTION.
- RECOMMENDED WATER HARDNESS TO BE 4-6 GRAINS FOR BEST RESULTS.
- RECOMMENDED BUILDING FLOWING WATER PRESSURE TO THE DISHWASHER IS 20-25 PSI. IF PRESSURES HIGHER THAN 25 PSI ARE PRESENT, A PRESSURE REGULATING VALVE WITH INTERNAL THERMAL EXPANSION BY PASS, MUST BE SUPPLIED (BY OTHERS) IN THE WATER LINE TO THE DISHWASHER.
- FOR CONVENIENCE WHEN CLEANING, WATER TAP SHOULD BE INSTALLED NEAR MACHINE WITH HEAVY DUTY HOSE AND SQUEEZE VALVE.
- DISHWASHER MUST BE INSTALLED AND OPERATED ONLY WITH CHEMICAL SANITIZING FEEDER THAT IS LISTED BY NSF INTERNATIONAL.
- WHEN REQUIRED, INSTALL FLOOR SINK OUTSIDE THE PERIMETER OF THE DISHWASHER

**CAUTION:** CERTAIN MATERIALS INCLUDING SILVER, ALUMINUM, AND PEWTER ARE ATTACKED BY SODIUM HYPOCHLORITE (LIQUID BLEACH).

### MISCELLANEOUS NOTES:

- WHEN VENT HOODS OR EXTENDED HOODS ARE ORDERED, REFER TO C-LINE VENTS AND HOODS SPECIFICATION SHEET (FORM F-7841) FOR DETAILS AND CONNECTIONS.
- EXHAUST REQUIREMENTS: 200 CFM ENTRANCE END  
400 CFM EXIT END
- ALL DIMENSIONS TAKEN FROM FLOOR LINE MAY BE INCREASED APPROXIMATELY 3/4" OR DECREASED 1/2".
- 66" INSIDE TANK (AT TABLE CONNECTION)
- 65-25/32" TABLE TO TABLE.
- NET WEIGHT OF MACHINE: 785 LBS.
- DOMESTIC SHIPPING WEIGHT: 885 LBS.

### WARNING

- ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.
- PLUMBING CONNECTIONS MUST COMPLY WITH APPLICABLE SANITARY, SAFETY, AND PLUMBING CODES.

### SEPARATE SERVICE CONNECTION FOR ELEC. HEAT

ELEC. HEAT 15 KW (WASH)			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM PROTECTIVE DEVICE
208/60/1	77.9	100	100
240/60/1	74.1	100	100
208/60/3	44.9	60	50
240/60/3	42.8	60	50
480/60/3	21.4	30	30

### MOTORS: 1/6 HP CONVEYDR 2 HP WASH 1 HP PREWASH

ELECTRIC SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM PROTECTIVE DEVICE
208-240/60/1	22.1	30	30
208-240/60/3	14.5	20	20
480/60/3	8.4	15	15

### SINGLE POINT ELECTRICAL CONNECTION (3 PH ONLY) MOTORS AND ELECTRIC TANK HEAT

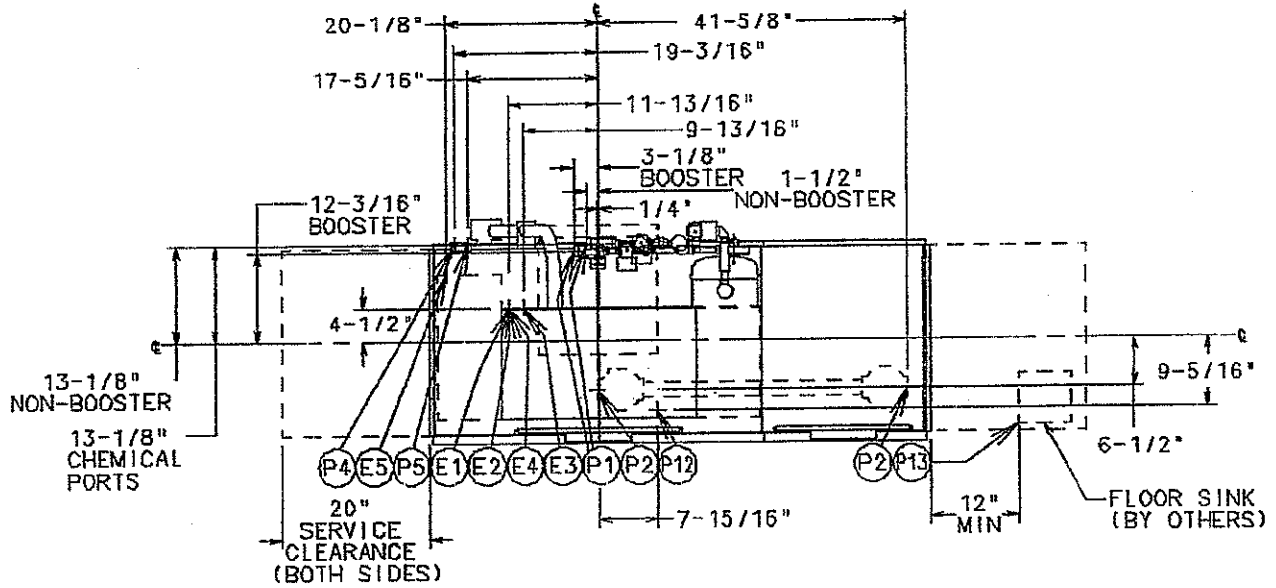
ELECTRIC SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM PROTECTIVE DEVICE
208/60/3	59.4	80	80
240/60/3	57.3	80	80
480/60/3	29.8	40	40

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## CRS66A/CRS66AW P 8

### ELECTRIC R-L



MODEL: CRS-66A/CRS-66AW  
R-L OPERATION  
D-435275/D-328073  
REV. K/REV. J

BOOSTER HEAT 15 KW			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM PROTECTIVE DEVICE
200-240/50/3	40.1	50	50
380-415/50/3	26.6	30	30
200/50/3	43.3	60	60
208-240/60/3	40.1	50	50
208/60/3	45.0	60	60
240/60/3	40.1	50	50
380/60/3	21.3	30	30
380-415/60/3	23.2	30	30
480/60/3	20.0	25	25
600/60/3	13.5	20	20

BOOSTER HEAT 30 KW			
ELEC. SPECS.	RATED AMPS	MINIMUM SUPPLY CIRCUIT CONDUCTOR AMPACITY	MAXIMUM PROTECTIVE DEVICE
200-240/50/3	80.2	90	90
380-415/50/3	53.2	50	50
200/50/3	80.8	90	90
208-240/60/3	80.2	90	90
208/60/3	83.9	90	90
240/60/3	80.2	90	90
380/60/3	42.5	60	60
380-415/60/3	46.4	60	60
480/60/3	40.1	50	50
600/60/3	33.7	40	40

- CONNECTION INFORMATION:  
(\*AFF-ABOVE FINISHED FLOOR)
- LEGEND:
- (E1) ELECTRICAL CONNECTION (EXCEPT ELECTRIC HEAT): 3/4" CONDUIT HOLE 63-1/2" AFF.
  - (E2) ELECTRICAL HEAT: 15,000 WATTS; WASH TANK, 1' CONDUIT HOLE, 63-5/8" AFF.
  - E3 ELECTRICAL CONNECTION-DETERGENT/RINSE AGENT/SANITIZER FEEDERS: 1/2" CONDUIT HOLE, 65-1/2" AFF.
  - E4 SINGLE POINT ELECTRICAL CONNECTION: (ELECTRIC HEAT ONLY), 1" CONDUIT HOLE, 63-5/8" AFF.
  - (E5) ELECTRICAL CONNECTION: BOOSTER. 15KW/30KW, 1-1/4" CONDUIT HOLE, 63-5/8" AFF.
  - P1 COMMON WATER CONNECTION: HIGH TEMP OPERATION - 180°F WATER MIN. WITHOUT BUILT-IN BOOSTER HEATER, 110°F WATER MIN. WITH BUILT-IN BOOSTER HEATER; LOW TEMP OPERATION - 140°F WATER MIN. 3/4" FPT, 63-7/8" AFF.
  - P2 DRAIN: 2" FPT, 7-5/16" AFF TWO CONNECTIONS.
  - P4 RINSE AGENT FEEDER: REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE. 54-9/16" AFF. (54-9/16" AFF. (LOW TEMP.))
  - P5 SANITIZER FEEDER: REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE. 54-9/16" AFF. (LOW TEMP.)
  - P12 DETERGENT PROBE SENSOR: REMOVE CAP AND STUD ASSEMBLY TO ACCESS 7/8" HOLE, 12" AFF.
  - P13 INDIRECT DRAIN-FLOOR SINK: BY OTHERS, 0" AFF.

# CRS66A/CRS66AW DISHWASHER

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**SPECIFICATIONS:** Meets requirements of A.S.S.E. Standard No. 1004.

**DESIGN:** Fully automatic, high-temperature single-tank, rack-type dishwasher with flexible strip curtains at ends of chambers and between prewash, wash and final rinse compartments. Large inspection doors located in front of machine provide easy access to wash arms, rinse arms, rinse pan strainer, strainer baskets, front and rear strainers, and pump intake screens. Doors guided for ease of operation and long life. Length of machine inside tank (at table connection) 66". Machine designed to clean and sanitize with hot water 180°F wash and 180°F (minimum) final rinse. Water hardness must be controlled to 4-8 gr. for best results. Automatic interlocks shut off pump and conveyor if a door is opened when machine is in operation.

**CONSTRUCTION:** Tank and chambers constructed of #16 gauge stainless steel, arc-welded. Unitized, welded stainless steel tank, frame and stainless steel legs. Chambers, control box, door, and front trim panels are polished, satin finish.

**PUMPS:** Recirculating stainless steel pumps with stainless steel impellers and face seals with stainless steel metal components and ceramic seats. Readily removable motor/impeller assemblies permit quick inspection. The pumps are self-draining. All piping distributing water to the upper and lower wash arms is stainless steel tubing.

**PUMP MOTORS:** Built for Hobart: wash motor, 2 horsepower; prewash motor, 1 horsepower; grease-packed ball bearings, splashproof, ventilated with manual resettable inherent overload protection in each motor. Available in electrical specifications of 208-240/60/1, 208-240/60/3, 480/60/3. Also available are 200-240/50/1, 200-240/50/3, and 380-415/50/3, not submitted for UL Listing.

**CONTROLS:** A stainless steel control center with power "on/off" and "start/stop" switches is mounted on top of machine. Machine control circuitry components will be operated from a 120 volt control circuit transformer. Auto-timer is standard equipment. An "auto/manual" switch is located on the left side of control box for bypassing the auto-timer feature. Electrical components are completely wired with 105°C, 600V thermoplastic insulated wire with stranded conductors routed through listed electrical conduit or covered wireway built into the front and rear of the machine above tank water level. Control circuit protected by 3 AMP overload protector.

**CONVEYOR:** Dual rack drive, with stainless steel pawls both sides of conveyor, designed to eliminate interference with wash and rinse spray patterns. Racks conveyed automatically through prewash, wash and rinse sections and onto clean dish table. Factory set overload mechanism on conveyor drive prevents damage to machine or racks, should movement of racks be obstructed. Rack tracks, conveyor structure, and drive units of stainless steel for 19 3/4" x 19 3/4" racks as standard. Conveyor speed: 5.6 FPM, CRS66A; 3.5 FPM, CRS66AW.

**DRIVE MOTOR:** Built for Hobart, 1/2 horsepower gearmotor, sealed, ventilated with manual, resettable overload protection. Available in electrical specifications of 208-240/60/1, 208-240/60/3, 480/60/3. Also available, but not submitted for UL Listing, are 200-240/50/1, 200-240/50/3, and 380-415/50/3.

**PREWASH:** CRS66A prewash tank is equipped with an upper stainless steel wash arm with specially shaped nozzles having large openings and arranged to effectively scrap all types of tableware. An optional lower arm is available for increased scrapping action. Prewash arm(s) and arm end caps are easily removable for cleaning without use of tools. Removable perforated stainless steel strainer pans support a deep perforated stainless steel basket. Basket and strainer pans (3) can be removed without optional lower wash arm removal.

**POWER WASH:** Wash tank is equipped with upper and lower stainless steel wash arms with specially shaped nozzles having large openings and arranged to effectively direct water jets to all ware surfaces. Both upper and lower wash arms, along with wash arm end caps, are easily removable for cleaning without use of tools. Removable perforated stainless steel strainer pans support a deep perforated stainless steel basket. Basket and strainer pans (2) can be removed without lower wash arm removal.

**FINAL RINSE:** Upper and lower rinse arms have single rows of nozzles. Rinse is automatically activated by racks in passing. Final rinse water line is equipped with vacuum breaker on downstream side of electrically operated solenoid valve in common piping system. Design provides for collection and division of final rinse water after use to wash tank and common drain. Rinse agent dispenser injection port provided in final rinse piping above chamber. Final rinse flow rate: 2.13 GPM. CRS66A; 1.36 GPM, CRS66AW.

**FILL:** Fill water line is equipped with vacuum breaker on downstream side of electrically operated solenoid valve in common piping system, for automatic maintenance of tank level. Fill is interrupted whenever a door is opened.

**DRAIN AND OVERFLOW:** Large bell-type automatic overflow and drain valve in prewash tank controlled from inside of machine. Prewash overflows to drain. Wash tank drain, controlled from inside of machine, overflows to prewash through large internally mounted stainless steel tubing. Drain seals are large diameter, high temperature o-rings. Stainless steel drain seat. Common drain utilizes a removable large diameter stainless steel tube sealed by rubber bushings at each drain casting; can be removed for easy clearing. Drains can be plumbed from load or unload end of machine.

**STANDARD EQUIPMENT:** Sealed dial-type thermometers indicate temperatures of wash and final rinse water. Positive low water protection for tank heat. Plastic strip curtains throughout machine. Stainless steel control box. Built-in wireways. Drains are automatically closed when inspection doors are closed. Stainless steel adjustable feet. Stainless steel hang-on/drop-in-place front trim panels. Automatic tank fill. Door interlocks. Auto-timer. Vent fan and booster heater controls.

#### WASH TANK HEATING SELECTIONS (must choose one):

**ELECTRIC:** One electric incoloy sheathed immersion heater (15 KW) removable from inside tank. Tank water temperature is controlled by solid-state thermostat with positive low-water protection and magnetic contactors. (Disconnect switches not furnished.) Heating element is additionally protected by a high limit device mounted on the surface of the element.

**STEAM:** One-inch stainless steel steam injectors or one-inch stainless steel steam coils (for contaminated steam). Tank water temperature controlled by solid-state thermostat with positive low-water protection. Steam supplied to machine through high temperature steam solenoid valve and line strainer.

**GAS:** Regulated power immersion tube gas burner system. Tank water temperature is controlled by solid-state thermostat and a blower with a centrifugal switch. Positive low water protection is provided. Immersion tube is additionally protected by a high limit device mounted on the surface of the tube. A solid-state ignitor board controls the gas valve and provides flame ignition. A transformer steps the control circuit voltage down from 120 volts to 24 volts to power the ignitor board and gas valve.

For natural gas, gas pressure to burner (customer connection) not to exceed 7" W.C.

For liquified petroleum, gas pressure to burner (customer connection) not to exceed 11" W.C.

If gas pressure is higher than 7" W.C. natural or 11" W.C. LP, a pressure regulating valve must be supplied (by others) in the gas line to the dishwasher.

#### OPTIONAL EQUIPMENT AT EXTRA COST:

Stainless steel pressureless booster heater. Stainless steel vent hoods with vent stack and locking-type damper. Stainless steel extended hoods with vent stack and locking-type damper. SL-23 or SL-30 without hood. Six inches higher than standard. Steam or electric blower-dryer (3-phase only). Floor-mounted steam booster. Low-temp final rinse system. Single condenser. Prewash temperature control. RS-22A lower wash arm 19 3/4" x 19 3/4" peg and combination and miscellaneous racks

Single-point electrical connection for electric heat machines (3-phase only, does not include booster heater). Conveyor dwell.

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Douglas Food Stores, Inc. DBA Douglas Equipment  
of 301 North Street Bluefield, WV 24701 as Principal and Contractors Bonding and Insurance  
Company of 1213 Valley Street, Seattle, WA, a corporation organized and existing under the laws of the State of WV  
with its principal office in the City of Seattle, WA as Surety, are held and firmly bound unto the State  
of West Virginia, as Obligee in the penal sum of 5% of Bid Amount (\$ 5% of Bid Amount ) for the payment of which,  
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the  
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for  
Job/Bid No. RFQ COR61331 - Delivery and installation of commercial dish machine, dish tables, etc. at Northern Correctional  
Facility at Moundsville, WV

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal attached  
hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform the  
agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in full  
force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event,  
exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no  
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby  
waive notice of any such extension.

IN WITNESS WHEREOF, Principal and Surety have hereunto set their hands and seals, and such of them as are corporations  
have caused their corporate seals to be affixed hereunto and these presents to be signed by their proper officers, this  
12th day of February, 2007

Principal Corporate Seal

Douglas Food Stores, Inc DBA Douglas Equipment

(Name of Principal)

By Patricia K Douglas

(Must be President or  
Vice President)

Vice  
President

PATRICIA K. DOUGLAS, V.P.  
(Title)

Surety Corporate Seal

Contractors Bonding and Insurance Company

(Name of Surety)

Brende H. Sturgill  
Attorney-in-Fact

**IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance. Raised corporate seals must be affixed, a power of attorney must be attached.**

LIMITED POWER OF ATTORNEY - READ CAREFULLY

CONTRACTORS BONDING AND INSURANCE COMPANY IS RESPONSIBLE ONLY FOR THE BOND DESCRIBED AND UP TO THE AMOUNT SET FORTH IN THIS LIMITED POWER OF ATTORNEY. ANY ERASURE WILL VOID THIS POWER OF ATTORNEY IF YOU HAVE ANY QUESTIONS ABOUT OR WANT TO VERIFY THIS POWER OF ATTORNEY CALL CONTRACTORS BONDING AND INSURANCE COMPANY TOLL FREE AT 1(800)765-2242

Penal Sum : \$ \$2,104.00 Attorney No : WV059 Power Number : E04674 Bond No : BID

Limited Power of Attorney Expires: 5/12/2007 Date Approved : 2/12/2007

Approved by : [Signature] Don Sirkin  
(Signature) (Print Name)

Name of Principal: DOUGLAS FOOD STORES, INC. DBA DOUGLAS EQUIPMENT

Name of Oblige: STATE OF WEST VIRGINIA

Descriptions(s): JOB/BID NO. RFQCOR61331-DELIVERY AND INSTALLATION

OF COMMERCIAL DISH MACHINE, DISH TABLES, ETC. AT

NORTHERN CORRECTIONAL FACILITY AT MOUNDSVILLE, WV

Location (if applicable): MOUNDSVILLE, WV

KNOW ALL MEN BY THESE PRESENTS that CONTRACTORS BONDING AND INSURANCE COMPANY, a corporation duly organized and existing under the laws of the State of Washington and having its principal office in Seattle, King County, Washington does by these presents make, constitute and appoint BRENDA G. STURGILL OF PRINCETON, WV its true and lawful Attorney-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver the bond(s) and/or other documents incidental thereto described above; and to bind the Company thereby as fully and to the same extent as if each such bond, or other documents incidental thereto was signed by the President, sealed with the corporate seal of the Company and duly attested by its Secretary; hereby ratifying and confirming all that the said Attorney-In-Fact may do in the premises. Said appointment is made under and by the authority of the following resolutions adopted by the Board of Directors of CONTRACTORS BONDING AND INSURANCE COMPANY on September 10, 2001

RESOLVED that the Chief Executive Officer, President, Chief Financial Officer, Secretary or any Vice President of the Company is authorized to appoint Attorneys-In-Fact for and on behalf of the Company with the power and authority to sign on behalf of the Company those surety bonds or undertakings of suretyship which may from time to time be approved by the Chief Executive Officer, President, Chief Financial Officer, Secretary or any Vice President of the Company; provided, however, that no Attorney-In-Fact shall be authorized to execute and deliver any bond or undertaking that shall obligate the Company for any portion of the penal sum thereof in excess of \$15,000,000, and provided, further, that no Attorney-In-Fact shall have the authority to issue a bid or proposal bond for any project where, if the contract is awarded, any bond or undertaking would be required with a penal sum in excess of \$15,000,000. An Attorney-In-Fact may also be authorized by Power of Attorney to execute any consent or other document incidental to said bond or undertaking, provided such document does not obligate the Company in excess of the limit set forth above. In no event shall any Attorney-In-Fact have any authority to sign any document or otherwise bind the Company in any way in connection with a claim on a surety bond or undertaking

RESOLVED FURTHER that each Power of Attorney must set forth the specific description of the surety bond or undertaking to which it applies, the name of the principal, the name of the obligee, the penal sum, the bond number (except for a bid bond where there is no number), the identifying number of the Attorney-In-Fact, and the identifying number of the Power of Attorney. The Attorney-In-Fact shall not be authorized to obligate Company for surety bond or undertaking specified in the Power of Attorney (including any consents or other documents incidental to the surety bond or undertaking) for more than the penal sum specified in the Power of Attorney

RESOLVED FURTHER that the Chief Executive Officer, President, Chief Financial Officer, Secretary or any Vice President of the Company is authorized to establish a specific expiration date for the Power of Attorney and to modify that date from time to time as the Chief Executive Officer, President, Chief Financial Officer, Secretary or any Vice President of the Company deems necessary in his/her sole discretion; the applicable expiration date is to be clearly set forth in any written Power of Attorney

RESOLVED FURTHER that all previous resolutions by the Board of Directors authorizing the Chief Executive Officer, President, Chief Financial Officer, Secretary or any Vice President of the Company to appoint Attorneys-In-Fact for and on behalf of the Company remain in full force and effect; and that if a Power of Attorney based on this resolution is attached to a bond (for example, a bid bond), and a Power of Attorney based on another Board of Directors resolution is attached to another bond (for example, a performance and payment bond), it shall not affect the validity of either Power of Attorney or Bond

RESOLVED FURTHER that this Limited Power of Attorney containing this and the foregoing resolutions and the signatures of the President, Secretary, and Notary Public, and the corporate and Notary seals appearing hereon, are generated, stored and transmitted electronically, and therefore appear in printed form only at recipient's fax machine. This fax printed Limited Power of Attorney document and the signatures and seals appearing hereon therefore are, and shall be deemed originals in all respects

RESOLVED FURTHER that the Company acknowledges the applicability of the Electronic Signatures in Global and National Commerce Act to this Limited Power of Attorney and that the signatures of the President, Secretary and Notary Public and the corporate and Notary seals appearing on any Limited Power of Attorney containing this and the foregoing resolutions as well as the Limited Power of Attorney itself and its transmission may be, or may be by facsimile or other means of electronic or electro-mechanical transmission or reproduction; and any such Limited Power of Attorney shall be deemed an original in all respects.

IN WITNESS WHEREOF CONTRACTORS BONDING AND INSURANCE COMPANY has caused these presents to be signed by Don Sirkin, its President, and its corporate seal to be hereto affixed 9/9/2002

[Signature]

CONTRACTORS BONDING AND INSURANCE COMPANY



By: [Signature]  
Don Sirkin, President

STATE OF WASHINGTON - COUNTY OF KING

On 9/9/2002, personally appeared DON SIRKIN to me known to be the representative of the corporation that executed the foregoing Limited Power of Attorney and acknowledged said Limited Power of Attorney to be free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he is authorized to execute the said Limited Power of Attorney

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written



Brenda J. Scott  
Notary Public in and for the State of Washington, residing at Seattle

The undersigned acting under authority of the Board of Directors of CONTRACTORS BONDING AND INSURANCE COMPANY, hereby certifies, as or in lieu of Certificate of the Secretary of CONTRACTORS BONDING AND INSURANCE COMPANY, that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Company, and does hereby further certify that the said Power of Attorney is still in force and effect.

GIVEN under my hand at Davidson, NC this 12 day of FEB 2007

[Signature] R Kirk Eland, Secretary

<b>PRODUCER</b> Murphy Insurance Agency, Inc. 1330 Mercer St., P O Box 5069 Princeton WV 24740 Phone: 304-425-8793 Fax: 304-425-4083		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
<b>INSURED</b> Douglas Food Stores, Inc. dba Douglas Equipment, Super Clean Coin Laundry A-1 Leasing Laurence & Patricia Douglas 301 North Street Bluefield WV 24701		<b>INSURERS AFFORDING COVERAGE</b>	<b>NAIC #</b> 25127
		INSURER A: State Auto Insurance Companies	
		INSURER B:	
		INSURER C:	
		INSURER D:	
		INSURER E:	

**COVERAGES**

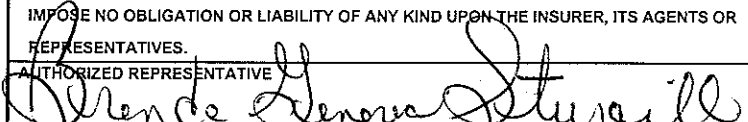
THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	PBP9581467 07	03/20/06	03/20/07	EACH OCCURRENCE \$ 1000000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100000 MED EXP (Any one person) \$ 5000 PERSONAL & ADV INJURY \$ 1000000 GENERAL AGGREGATE \$ 2000000 PRODUCTS - COMP/OP AGG \$ 2000000
A		AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Drive Other Car	BAP 9581468 07	03/20/06	03/20/07	COMBINED SINGLE LIMIT (Ea accident) \$ 1000000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
A		EXCESS/UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 0	PBP9581467 07	03/20/06	03/20/07	EACH OCCURRENCE \$ 2000000 AGGREGATE \$ 2000000 \$ \$ \$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	PBP 9581467 07 EMPLOYERS LIABILITY ONLY	03/20/06	03/20/07	WC STATUTORY LIMITS <input checked="" type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1000000 E.L. DISEASE - EA EMPLOYEE \$ 1000000 E.L. DISEASE - POLICY LIMIT \$ 1000000
		OTHER				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS  
 Office Equipment Fixture or Supplies - For Bars, Hotels, Offices, Restaurants or Stores

**CERTIFICATE HOLDER**

**CANCELLATION**

State of WV, Dept. of Admin. Purchasing Division 2019 Washington Street East PO Box 50130 Charleston WV 25301-0130	DEPA001	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT. BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.
AUTHORIZED REPRESENTATIVE 		

## **IMPORTANT**

If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s)

If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s)

## **DISCLAIMER**

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.



**RFQ # COR61331**

**PROPOSAL FOR DIVISION OF CORRECTIONS**

**KITCHEN EQUIPMENT CONTRACTOR:**

**DOUGLAS EQUIPMENT  
301 NORTH STREET  
BLUEFIELD, WV 24701**

**(304) 327-0149      PHONE  
(304) 325-3848      FAX**

2/12/2007

**Quotation**

To: State of West Virginia  
 RFQ # COR61331  
 Attention: John Abbott  
 2019 Washington Street East  
 PO Box 50130  
 Charleston, WV 25305-0130

From: Douglas Equipment  
 Roy Ellison  
 301 North St.  
 Bluefield, WV 24701-4048  
 Phone: (304) 327-0149

Item	Qty	Description	Sell Each	Sell Total
1	1	ea <b>DISHWASHER, CONVEYOR TYPE</b> Champion Model No 66DR-PW Class: 92.5 E-Series Dishwasher, rack conveyor type, high temp., 44" single tank w/22" prewash, 208 racks/hr., auto-fill, dual rinse, common utility connections, enclosure panels (frt & sides unload), s/s constr'n, (2)dish racks (peg) & (1)flat rack(open), door safety switch, door activated drain closure, one pair SST splash sheilds, SST front and end enclosure panels, energy sentinel (idle pump shut off), rinse saver device, splash proof top-mounted controls, NSF and UL approved, 2HP wash/rinse pump motor(s)	42,080.00	42,080.00
	1	ea <b>One year limited warranty, std.</b>		
	1	ea <b>Right to left operation</b>		
	1	ea <b>Electric tank heat w/thermostat &amp; low-water cutoff, std.</b>		
	1	ea <b>Vent fan control switch</b>		
	1	ea <b>Table limit switch (unmounted)(recommended on all conveyor models)</b>		
	1	ea <b>MRC90-UL Motorized Rack, 90°, curve for UNLOADING, (must be used with roller conveyor table - model RCT)</b>		
	1	ea <b>Southern Eqmt. Fabricators CUSTOM Custom fabricated pantleg vent duct with vent stack and locking damper on both loading and unloading ends of dishwasher. Vent to be tied into existing ductwork above ceiling and to be used in conjunction with existing exhaust fan.</b>		
		Weight: 950 lbs total		
		<b>Extended Total for Item No. 1: 42,080.00</b>		
2	1	ea <b>BOOSTER HEATER, ELECTRIC</b> Hatco Model No. C-27 Class: 85 Compact Booster Heater, Electric, 6-gallon storage capacity, electric operation, 27-KW, stainless steel front, Castone tank		
	1	ea <b>NOTE: Includes 24/7 parts &amp; service assistance, call 800-558-0607</b>		
	1	ea <b>208v, 3-ph</b>		
		Weight: 142 lbs. total		
3	1	ea <b>CUSTOM</b> Southern Fabco Model No. SOIL TABLE Custom Stainless Soiled Dishtable L shaped 148" x 101 1/2" x 30" wide x 35" high. 14 gauge 304 stainless construction top, 14 gauge stainless underbracing. 1 5/8" stainless legs with adjustable bullet feet. Includes prerinse sink 22" x 22" x 6" deep, perforated scrap basket with rack, flanged legs to be bolted to the floor.		

2/12/2007

State of West Virginia

Item	Qty	Description	Sell Each	Sell Total
4	1	ea <b>HOSE REEL ASSEMBLY</b> Fisher Model No. 2985 Hose Reel Assembly, wall mount, stainless steel covered reel rinse w/spray valve, 30 feet of 3/8" ID, 3 ply, 2 braid hose, pressure of 200 PSI, 1/2" NPT female inlet		
		Weight: 35 lbs. total		
5	1	ea <b>CUSTOM</b> Southern Fabco Model No. CLEAN TABLE Custom Clean Dishtable 30" wide x 106" long. 14 gauge 304 stainless top, 1 5/8" stainless legs with adjustable bullet feet. Includes flanged legs to be bolted to floor.		
***		PRICING INCLUDES FREIGHT, APPLICABLE BID BOND(S), AND PREVAILING WAGE RATES FOR ALL LABOR.		
		Total		42,080.00
		Grand Total		42,080.00

**Champion**<sup>®</sup>

The Dishwashing Machine Specialists

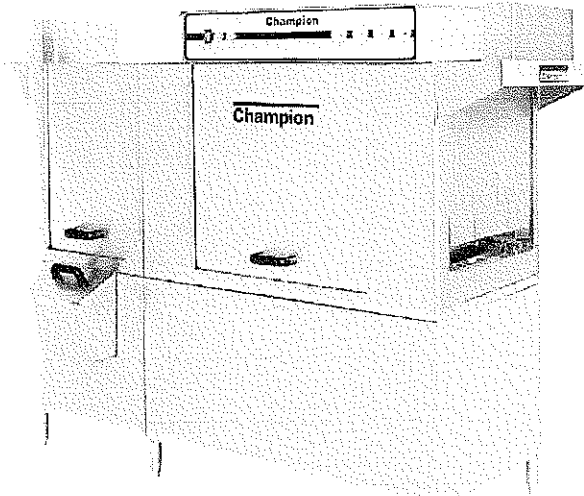
Project \_\_\_\_\_  
 Item No \_\_\_\_\_  
 Quantity \_\_\_\_\_

**STANDARD FEATURES**

- Exclusive DualRinse Technology
- Dual-pawl cradle drive system
- One-piece cast stainless steel upper & lower spray arm assemblies
- Internal removable scrap basket with two-piece scrap screen
- Standard vertical opening accommodates 18" x 26" sheet pans
- Wide 15-1/2" and 26" leakproof doors, internally-fitted
- Anti-jam conveyor drive system
- Energy Sentinel (Idle pump shut-off)
- Convenient top-mounted controls
- Automatic tank fill
- Common utility connections
- Door safety switch
- Door activated drain closures
- Enclosure panels (front and sides)
- Splash shields
- Low-water tank heat protection
- Rinse-saver device
- Stainless steel heavy-gauge construction, including base and feet
- Electric tank heat
- Prewash pump 1 Hp motor
- External prewash scrap basket
- Wash pump 2 Hp motor
- Stainless steel pump and impellers
- Single-point electrical connection

*DualRinse*<sup>×</sup>  
**MODEL 66 DRPW**

44" Single Tank with 22" Prewash  
 High Temperature Rack Conveyor  
 Dishwashing Machine with  
 Dual Stage Rinse



Shown with Vent Cowl  
 and Damper Option

**SPECIFIER STATEMENT**

Specified unit will be Champion Model 66 DRPW high temperature dual rinse rack conveyor dishwashing machine. Constructed of Type 304 stainless steel and measuring 66" long with 20-3/4" vertical opening. Features top mounted control cabinet; upper and lower one-piece stainless steel spray arm assemblies removable internal scrap basket with two-piece scrap screen, external prewash scrap basket. Large 15-1/2" prewash and 26" wash front access doors with double-hook safety latches. Anti-jam conveyor drive system. 1 year parts and labor warranty

*The DualRinse feature offers the  
 Lowest Water/Utility/Chemical Consumption  
 while circulating a generous 300+ gallons  
 of water for Consistently  
 Good Results*



Champion Industries, Inc.  
 2674 N. Service Road,  
 Jordan Station, Ontario, Canada L0R 1S0  
 Tel: 800/263-5798 Fax: 905/562-4618

Champion Industries, Inc.  
 P O Box 4149, Winston-Salem, NC 27115  
 Tel: 800/532-8591 Fax: 336/661-1979  
[www.championindustries.com](http://www.championindustries.com)

CH071

(1M) 2/05 Printed in U.S.A



MODEL 66 DRPW RACK CONVEYOR

# Champion®

The Dishwashing Machine Specialists

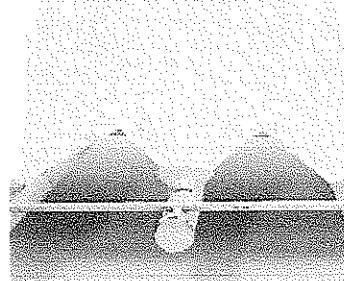
## MODEL 66 DRPW

44" Single Tank with 22" Prewash  
High Temperature Rack Conveyor  
Dishwashing Machine with  
*Dual Stage Rinse*

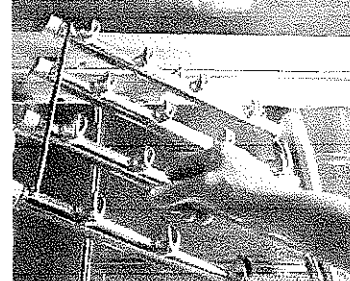
### EFFICIENT NEW SPRAY SYSTEM DESIGN

To make the E-Series more efficient and more forgiving we designed a new spray arm system that includes:

- Wall-of-water spray pattern via stainless steel fluted directional spray jets for quick and efficient washing
- Easily removable spray arm assembly for ease of cleaning
- Stainless steel pump housing and impeller
- Larger tanks hold more water for better washing results



Wall-of-Water Spray Pattern

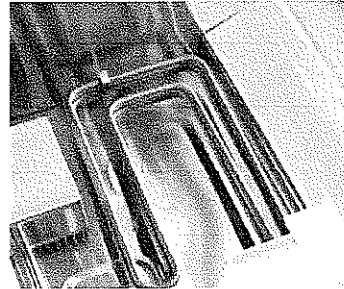


One-Piece Cast Stainless Steel Spray Assembly

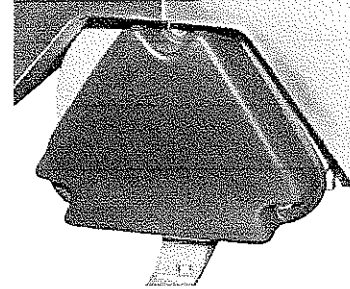
### INTEGRATED BOOSTER HEATER

As well as the E-Series performs, we created a way to make it perform even better. The electric booster heater may be optional, but it is an exceptional value — engineered within the E-Series footprint to offer a variety of advantages over other booster designs, such as:

- Inter-plumbed and inter-wired
- One control shuts off washer and booster
- 12 kW for 40°F rise
- 22 kW for 70°F rise
- Conductive heat transfer to wash tank
- Stainless steel booster heater lasts the life of the machine
- Integrated design saves floor space



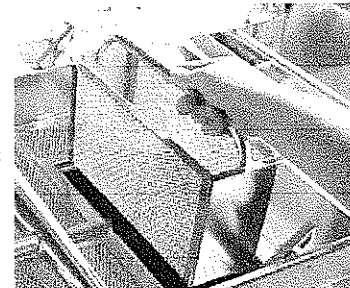
Large Heating Element



Stainless Steel Built-in Nested Booster



Two-Piece Scrap Screen



Built-in Scrap Basket

### LESS IS MORE WITH CHAMPION'S DUAL RINSE MODEL 44 DR

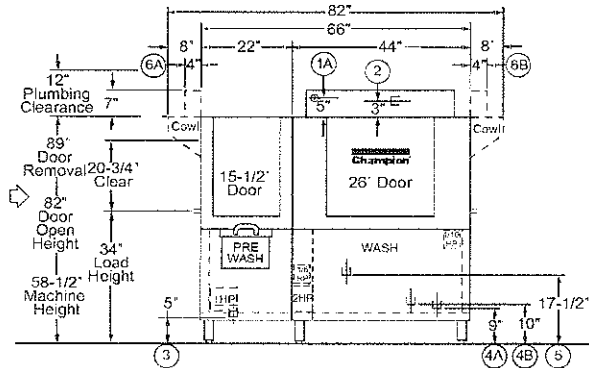
Check our NSF listings and you'll see the 44 DR offers the lowest water consumption in its class with less than .54 US gallons per rack. Water consumption this low means energy savings too. Our 40°F rise booster only requires 12 kW and 70°F rise is only 22 kW.

What the numbers don't show you is the advantage that our Dual Rinse technology provides by making sure all wares are fully rinsed with more than 300 gallons per hour while actual fresh water consumption is only 112 gallons per hour.

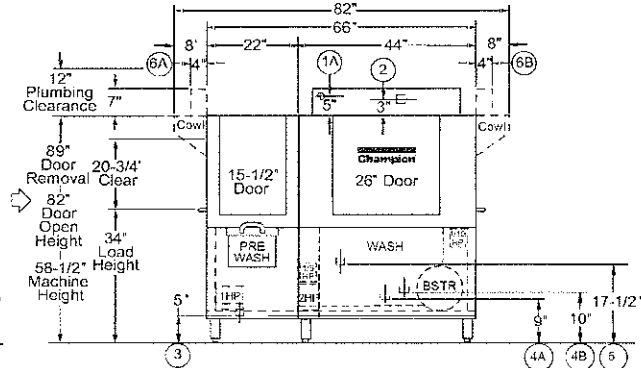
[www.championindustries.com](http://www.championindustries.com)

# MODEL 66 DRPW

44" Single Tank with 22" Prewash  
High Temperature Rack Conveyor  
Dishwashing Machine with  
*Dual Stage Rinse*

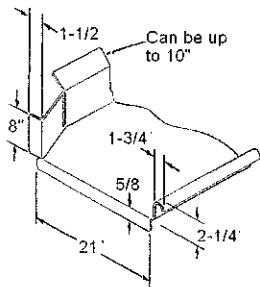


Front View  
Without Booster

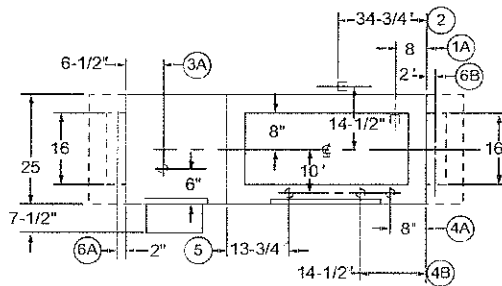


Front View  
With Booster

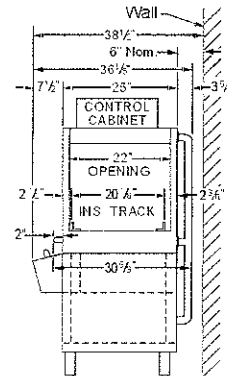
Left-to-Right Operation



Suggested Table  
Construction



Plan View



End View

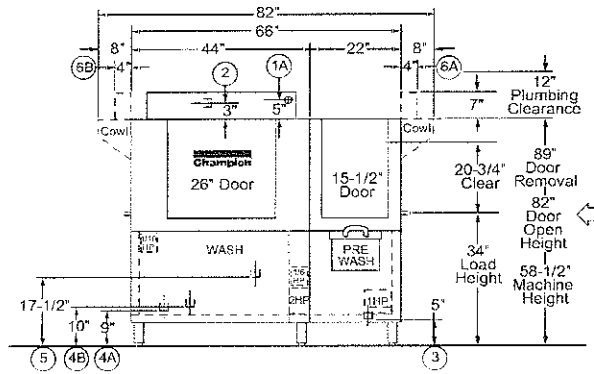
Champion Industries, Inc., P. O. Box 4149, Winston-Salem, NC 27115 • 800/532-8591 • Fax: 336/661-1979 • www.championindustries.com  
2674 N. Service Road Jordan Station, Ontario, Canada L0R 1S0 • 800/263-5798 • Fax: 905/562-4618

# MODEL 66 DRPW

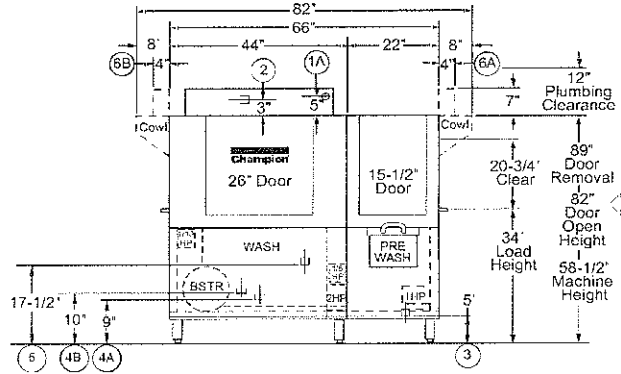
44" Single Tank with 22" Prewash  
High Temperature Rack Conveyor  
Dishwashing Machine with  
*Dual Stage Rinse*



Dimensions shown in inches

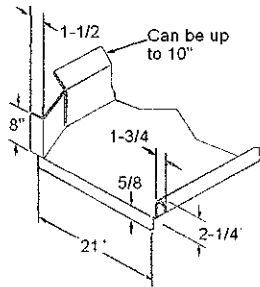
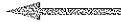


Front View  
Without Booster

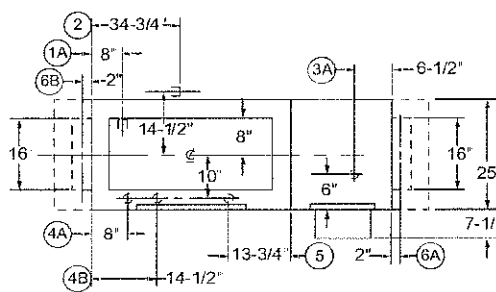


Front View  
With Booster

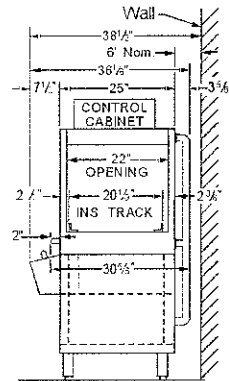
Right-to-Left Operation



Suggested Table  
Construction



Plan View



End View

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# MODEL 66 DRPW

44" Single Tank with 22" Prewash  
High Temperature Rack Conveyor  
Dishwashing Machine with  
*Dual Stage Rinse*



Volume crated: **152 cu. ft.**  
Shipping weight crated: **800 lbs.**

Utilities	
<b>1 Electrical Connection</b>	<b>A</b> Machine only (see Table A) <b>B</b> Machine & booster (see Table B)
<b>2 Hot Water</b>	3/4" NPT 180°F/82°C min. hot water connection (Machine without booster) 3/4" NPT 140°F/60°C min. hot water connection (40°F/22°C rise booster) 3/4" NPT 110°F/49°C min. hot water connection (70°F/39°C rise booster) Flow pressure 20-22 psi.
<b>3 Drain</b>	1-1/2" NPT machine connection Maximum flow 15 gpm.
<b>4 Steam</b>	<b>A</b> 3/4" NPT machine connection. Flow pressure 15-30 PSI. (Steam coil) <b>B</b> 3/4" NPT machine connection Flow pressure 15-30 PSI (Steam injector)
<b>5 Condensate (no back pressure)</b>	1/2" NPT machine return to boiler
<b>6 Vents</b>	<b>A</b> Load end: 200 CFM @ 1/4" S.P <b>B</b> Unload end: 400 CFM @ 1/4" S.P (With blower-dryer increase room ventilation by 600 CFM )

**TABLE B - Machine & Booster Connection**

40°F/22°C Rise – 12 kW Machine and Electric built-in booster			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Maximum Overcurrent Protective Device
208/60/1	178	225	225
240/60/1	155	200	200
208/60/3	108	150	150
240/60/3	94	125	125
480/60/3	47	60	60
575/60/3	37	50	50

70°F/39°C Rise – 22 kW Machine and Electric built-in booster			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Maximum Overcurrent Protective Device
208/60/1	226	300	300
240/60/1	197	250	250
208/60/3	136	175	175
240/60/3	118	150	150
480/60/3	60	80	80
575/60/3	47	60	60

**TABLE A - Machine Connection**

Machine only			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Maximum Overcurrent Protective Device
208/60/1	120	150	150
240/60/1	105	150	150
208/60/3	74	100	100
240/60/3	65	90	90
480/60/3	33	45	45
575/60/3	25	35	35

Machine and steam built-in booster			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Maximum Overcurrent Protective Device
208/60/1	42	60	60
240/60/1	37	50	50
208/60/3	29	40	40
240/60/3	26	35	35
480/60/3	12	15	15
575/60/3	10	15	15

## SPECIFICATIONS

**Capacity**  
Racks per hr (NSF rated) 208  
Wash tank (US gal.) 21  
Conveyor speed (ft/min) 5.8

**Motor Horsepower**  
Drive 1/6  
Wash 2  
Prewash 1  
Dual Rinse 1/10

**Water Consumption**  
US Gal per hr (max use) 112  
US Gal per rack 54

**Heating**  
Wash Tank, electric (kW) 15  
Dual Rinse Tank electric (kW) 3  
Tank heat steam (lbs/hr. required at 15 PSI flow pressure) 75  
Electric booster (built-in) (kW supplied for 40°F rise) 12  
Electric booster (kW supplied for 70°F rise) 22  
Steam booster (lbs /hr required for 40°F rise) 60  
Steam booster (lbs /hr. required for 70°F rise) 106

**Venting**  
Load end (minimum CFM) 200  
Unload end (minimum CFM) 400

**Standard 20" x 20" rack complement**  
Peg 2  
Flat 1

**Warning:** Plumbing and electrical connections should be made by qualified personnel who will observe all the applicable plumbing, sanitary, safety codes and the National Electrical Code

**Note:** Water Hammer Arrestor (meeting ASSE-1010 standard or equivalent) to be supplied (by others) in common water supply line at service connection

**Plumbing Notes:** Because of the variation in house-supplied steam and water pressures, steam and water pressure regulating valves (PRVs) may be needed. (Water PRV is standard on machines with booster.) The PRVs can either be purchased from Champion or obtained locally

**Venting Notes:** Fabricated duct size: 3-7/8" x 15-7/8" (Outside dimensions)

Due to an ongoing value analysis program at Champion, specifications contained in this catalog are subject to change without notice.  
Champion Industries Inc P.O. Box 4149 Winston-Salem, NC 27115 • 800/532-8591 • Fax: 336/661-1979 • www.championindustries.com



**MODEL 66 DRPW**

44" Single Tank with 22" Prewash  
High Temperature Rack Conveyor  
Dishwashing Machine with  
*Dual Stage Rinse*

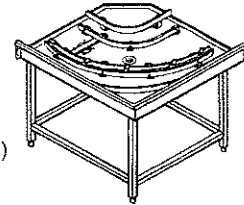
**Champion®**

The Dishwashing Machine Specialists

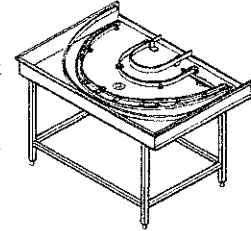
**OPTIONS & ACCESSORIES**

- Tank heat: choice of steam coil, steam injector, hot water coil
- Blower-dryer with 60" hood, table, legs and pawl bar assembly
- Booster Heaters**  
(completely interplumbed, controls are interwired)
  - Electric: 12 kW (40°F rise) (built-in only)
  - Electric: 22 kW (70°F rise) (built-in only)
  - Steam: 40°F - 70°F rise
- Cantilever sideloader (with or without hood) for 90° load operation
- Extended pawl bar (extended drive unit) for use with load tabling
- 90° Motorized rack advance conveyor (unload)
- 180° Motorized rack advance conveyor (unload)
- Racks: peg or flat racks (specify type)
- Roller conveyor table (mobile or stationary)
- Steam pressure regulating valve (unmounted)
- Table limit switch, unmounted (recommended on all rack conveyor installations)
- Vent cowl, stainless steel with 7' stack and locking damper
- Water pressure regulating valve (unmounted) (standard with booster)
- Vent fan control
- Two-point electrical connection

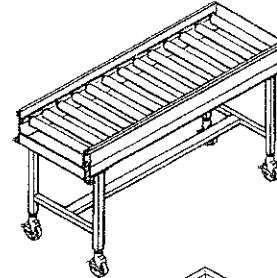
- Model MRA 90**  
90° Motorized Rack Advance Curve  
(Must be ordered with Roller Conveyor Table)



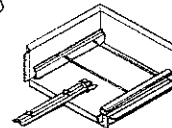
- Model MRA 180**  
180° Motorized Rack Advance Curve  
(Must be ordered with Roller Conveyor Table)



- Model RCT 64 or RCT 84**  
Roller Conveyor Table



- Cantilever Sideloader**  
(no hood)



Due to an ongoing value analysis program at Champion, specifications contained in this catalog are subject to change without notice.

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# Champion®

The Dishwashing Machine Specialists

Project \_\_\_\_\_  
 Item No \_\_\_\_\_  
 Quantity \_\_\_\_\_

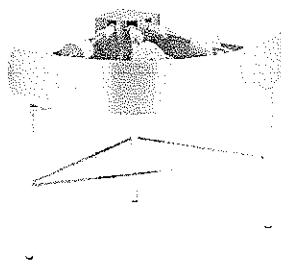
TABLE SYSTEMS

## STANDARD FEATURES

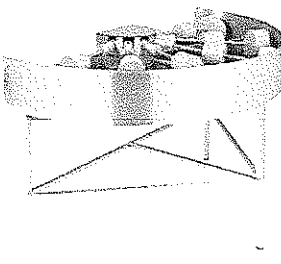
- Compact, flexible design 90° or 180° to fit high volume operations
- Quality stainless steel construction
- 1/8-Hp drive motor protected from overload
- Fully-automatic operation
- Extend the drying space for clean wares and save operator steps
- Easy-to-reach rack storage
- Table limit switch
- Sloped drain

## TABLE SYSTEMS

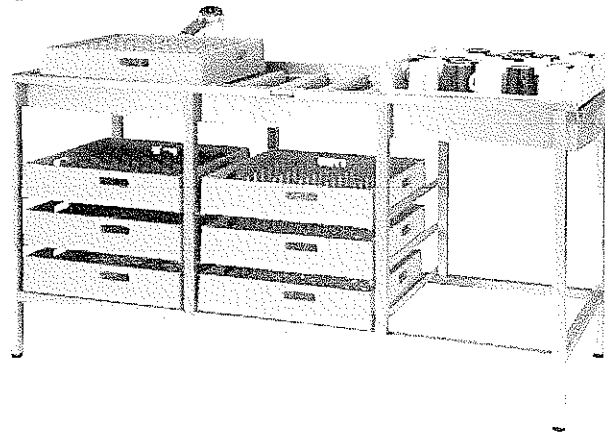
For Rack Conveyor Series Dishwashing Machines



90° Motorized Rack Curve



180° Motorized Rack Curve



Champion Industries, Inc  
 2674 N. Service Road  
 Jordan Station, Ontario, Canada L0R 1S0  
 Tel: 905/562-4195 Fax: 905/562-4618

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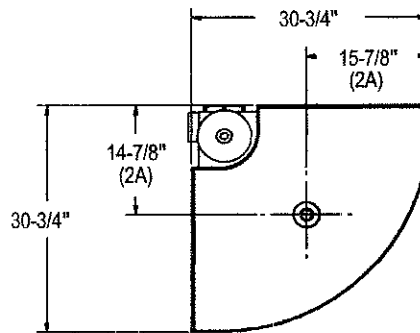


# TABLE SYSTEMS

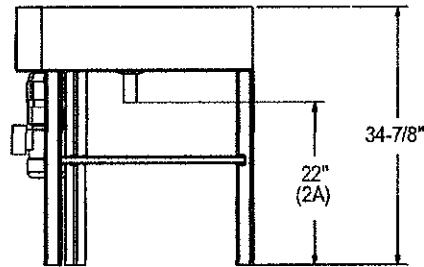
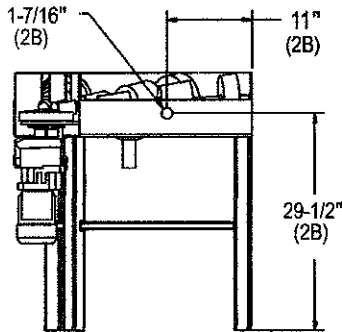
For Rack Conveyor Series  
Dishwashing Machines



## 90° Motorized Rack Curve with Table



Rollers Not Shown for Clarity



<b>180° MRC</b>	<b>64 RCT</b>
Shipping weight: <b>300 lbs.</b>	Shipping weight: <b>180 lbs.</b>
Volume crated: <b>107 cu. ft.</b>	Volume crated: <b>60 cu. ft.</b>
<b>90° MRC</b>	<b>84 RCT</b>
Shipping weight: <b>250 lbs.</b>	Shipping weight: <b>200 lbs.</b>
Volume crated: <b>47 cu. ft.</b>	Volume crated: <b>72 cu. ft.</b>

**Note:** 90° and 180° MRC must be ordered with roller conveyor table

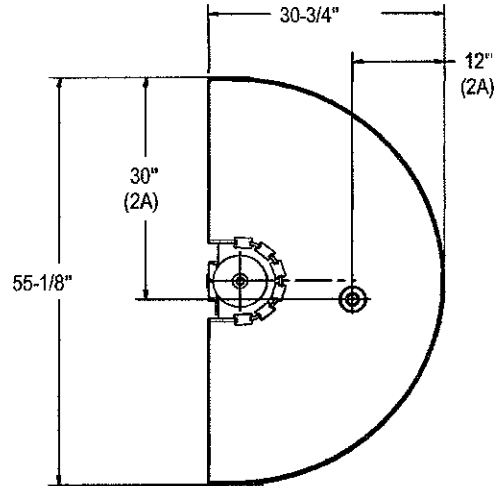
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# TABLE SYSTEMS

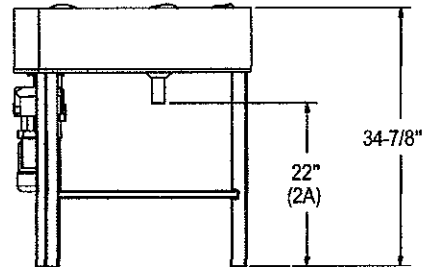
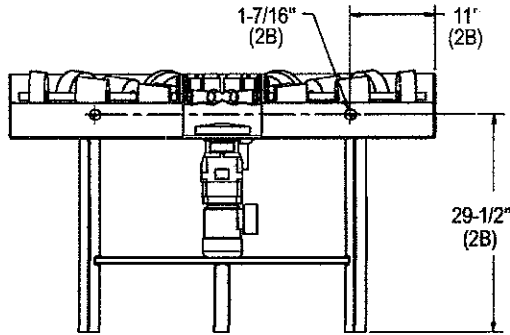
For Rack Conveyor Series  
Dishwashing Machines



## 180° Motorized Rack Curve with Table



Rollers Not Shown for Clarity



Utilities	
1	<b>Electrical</b> - See rack machine electrical requirements. MRC will run on same amps
2	<b>Drain</b>
A	1-1/4" O.D. connection. Motorized Rack Curve
B	1-7/16" O.D. connection. Roller Conveyor Table

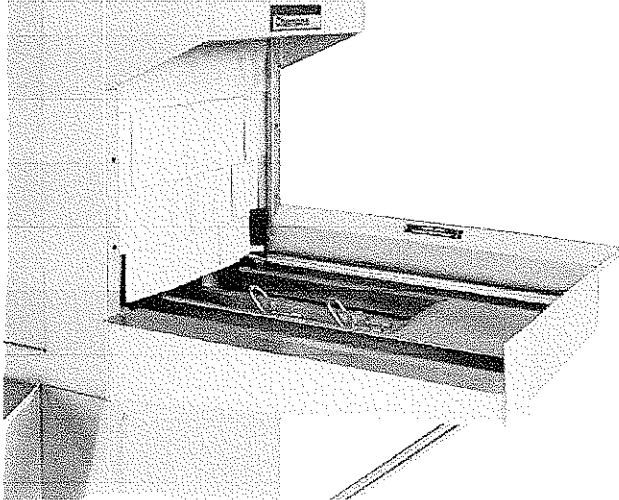
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# TABLE SYSTEMS

For Rack Conveyor Series  
Dishwashing Machines

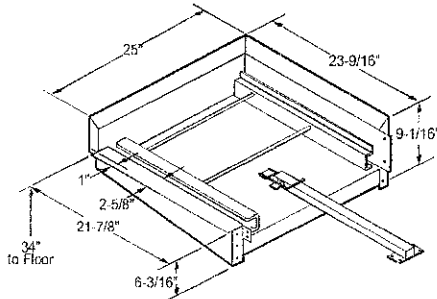
**Champion**<sup>®</sup>  
The Dishwashing Machine Specialists



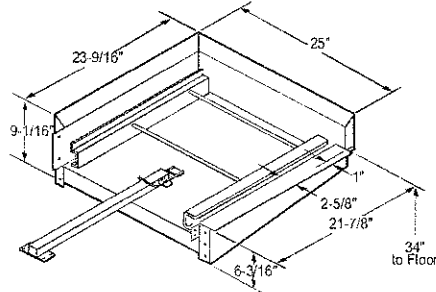
- Cantilever table – load racks from the front, offering layout flexibility and saving valuable space
- Durable welded heavy-gauge #304 stainless steel with removable rack guide for ease of cleaning
- Optional hood for splash protection cantilever tables are available with an optional stainless steel hood with vent cowl opening

### 24" Cantilever Sideloader

For standard 20" x 20" racks



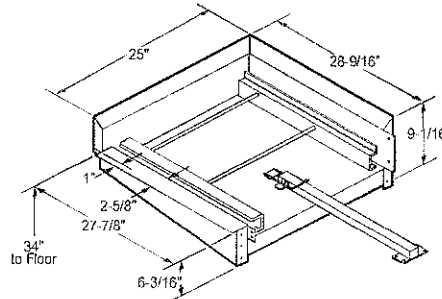
#### Left-to-right Operation



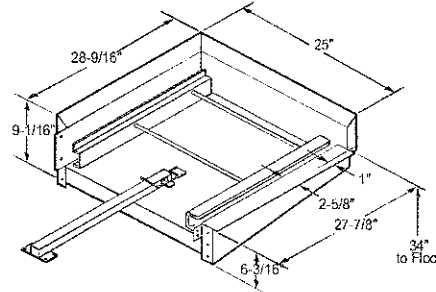
#### Right-to-left Operation

### 30" Cantilever Sideloader

For 20" racks up to 30" long



#### Left-to-right Operation



#### Right-to-left Operation

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ITEM#



**COMPACT** ELECTRIC BOOSTER WATER HEATERS  
 Models C-4, -5, -6, -7, -9, -12, -13, -15, -17, -18, -24, -27, -30, -36, -39, -45, -54, -57

The Hatco Compact Electric Booster Water Heater provides all the 180°F (82°C) final rinse water required to sanitize and flash-dry dishes and flatware.

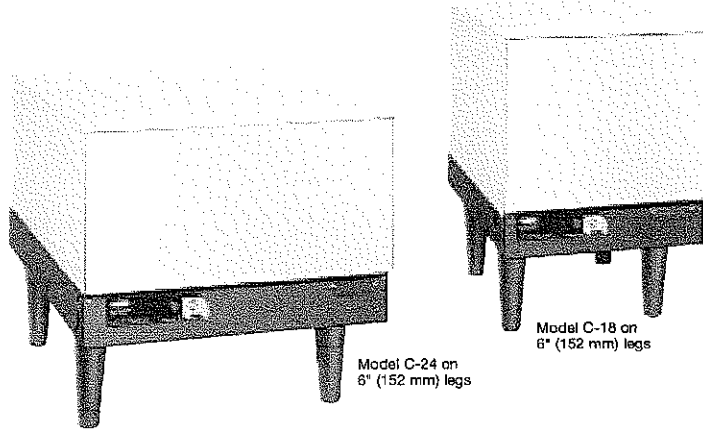
**FLEXIBILITY**

The space saving Compact is easy to install next to the dishwasher with slide brackets or on 6" (152 mm) legs. The storage capacity is 6 gallons (23 liters).

**QUALITY**

The following features assure the finest performance for years to come:

- All models include a Castone® lined tank with a 10-year limited warranty.
- Features include a temperature/pressure relief valve, a pressure reducing valve, two temperature/pressure gauges, a high-temperature limit control, pilot indicator light, on-off switch, and a low-water cut-off to prevent element burnout due to a low water condition.
- Available with slide brackets for mounting under a dishtable.
- Each booster has fiberglass insulation to minimize heat loss.
- Hatco electric booster heaters are factory pre-plumbed and pre-wired with calibrated immersion thermostat and high-temperature limit switch.
- A stainless steel front panel and powder-coated silver-gray hammertone body is standard on all Compact models.
- Swing-away front panels with low-water cut-off, control fuses and transformer allow quick access to probes and elements for easier serviceability.



Water Temperature Recovery Table

Compact Model	40°F (22°C) Rise	70°F (38°C) Rise
C-4	40 gph ( 151 lph)	23 gph ( 87 lph)
C-5	50 gph ( 189 lph)	29 gph ( 110 lph)
C-6	60 gph ( 227 lph)	34 gph ( 129 lph)
C-7	70 gph ( 265 lph)	40 gph ( 151 lph)
C-9	90 gph ( 341 lph)	52 gph ( 197 lph)
C-12	120 gph ( 454 lph)	69 gph ( 261 lph)
C-13	135 gph ( 511 lph)	77 gph ( 292 lph)
C-15	151 gph ( 572 lph)	86 gph ( 326 lph)
C-17	173 gph ( 655 lph)	99 gph ( 375 lph)
C-18	181 gph ( 685 lph)	103 gph ( 390 lph)
C-24	241 gph ( 912 lph)	138 gph ( 522 lph)
C-27	271 gph (1026 lph)	155 gph ( 587 lph)
C-30	301 gph (1139 lph)	172 gph ( 651 lph)
C-36	361 gph (1367 lph)	206 gph ( 780 lph)
C-39	391 gph (1480 lph)	224 gph ( 848 lph)
C-45	452 gph (1711 lph)	258 gph ( 977 lph)
C-54	542 gph (2052 lph)	310 gph (1174 lph)
C-57	573 gph (2169 lph)	326 gph (1234 lph)

**WATER QUALITY REQUIREMENTS**

Incoming water in excess of 3.0 grains of hardness per gallon (GPG) (.75 grains of hardness per liter) must be treated and softened before being supplied to booster heater(s). Water containing over 3.0 GPG (.75 GPL) will decrease the efficiency and reduce the operating life of the unit.

*Note: Product failure caused by liming or sediment buildup is not covered under warranty.*



HATCO CORPORATION P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A.  
 (800) 558-0607 • (414) 671-6350 • Fax (800) 543-7521 • Int'l. Fax (414) 671-3976  
 www.hatcocorp.com • E-mail: equipsales@hatcocorp.com

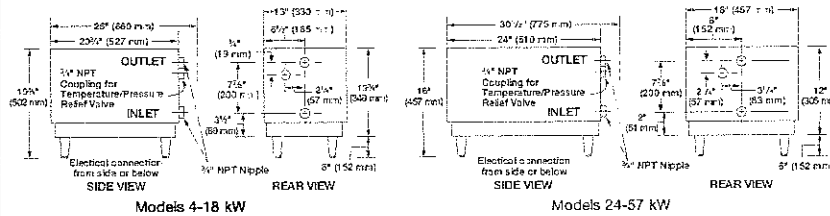
Form No. C-1006(S)

Printed in U.S.A.

ITEM#



**COMPACT** ELECTRIC BOOSTER WATER HEATERS  
Models C-4, -5, -6, -7, -9, -12, -13, -15, -17, -18, -24, -27, -30, -36, -39, -45, -54, -57



**DIMENSIONS**  
4kW to 18kW: 13" W x 20 3/4" D (26" H) x 13 3/4" H without legs (330 x 527 (660 mm) x 349 mm).  
24kW to 57kW: 18" W x 24" D (30 1/2" H) x 12" H without legs (457 x 610 (775 mm) x 305 mm)  
† Includes Temperature/Pressure Relief Valve.

**VOLTAGE**  
208, 240 and 480 volts available.  
Export voltages available.

**SPECIFICATIONS**

Model	kW	1-Phase			3-Phase		Shipping Weight
		Volts	Amps	Breaker/Fuse Size	Amps	Breaker/Fuse Size	
C-4	4	208	19	30	-	-	105 lbs. (48 kg)
		240	17	30	-	-	
		480	8	15	-	-	
C-5	5	208	24	30	-	-	105 lbs. (48 kg)
		240	21	30	-	-	
		480	10	15	-	-	
C-6*	6	208	29	40	25*	40	118 lbs. (54 kg)
		240	25	40	22*	30	
		480	-	-	11*	15	
C-7*	7	208	34	50	29*	40	118 lbs. (54 kg)
		240	29	40	25*	40	
		480	-	-	13*	20	
C-9*	9	208	43	60	38*	50	118 lbs. (54 kg)
		240	38	50	33*	50	
		480	-	-	16*	20	
C-12	12	208	58	90	33	50	120 lbs. (54 kg)
		240	50	70	29	40	
		480	-	-	14.5	20	
C-13	13.5	208	65	90	38	50	120 lbs. (54 kg)
		240	56.3	90	33	50	
		480	-	-	16.3	30	
C-15	15	208	72	90	41.7	60	120 lbs. (54 kg)
		240	62.5	90	36.1	50	
		480	-	-	18.1	30	
C-17†	17.2	208	-	-	47.9	60	120 lbs. (54 kg)
		480	-	-	-	-	
C-18§	18	208	86.5	125	-	-	120 lbs. (54 kg)
		240	75	100	43.4	60	
		480	-	-	21.7	30	

Model	kW	1-Phase			3-Phase		Shipping Weight
		Volts	Amps	Breaker/Fuse Size	Amps	Breaker/Fuse Size	
C-24	24	208	115.4	150	67.7	90	142 lbs (64 kg)
		240	100	125	57.8	90	
		480	-	-	29.9	40	
C-27	27	208	129.8	175	75	100	142 lbs. (64 kg)
		240	112.5	150	65	90	
		480	-	-	32.5	50	
C-30	30	208	144	200	83.3	125	142 lbs (64 kg)
		240	125	175	72.3	100	
		480	-	-	36	50	
C-36	36	208	173	225	100	125	142 lbs. (64 kg)
		240	150	200	86.7	125	
		480	-	-	43.3	60	
C-39	39	208	187.5	250	108	150	142 lbs. (64 kg)
		240	163.5	225	94	125	
		480	-	-	47	60	
C-45*	45	208	-	-	125	175	142 lbs. (64 kg)
		240	188	250	108	150	
		480	-	-	54	70	
C-54**	54	208	-	-	150	200	142 lbs. (64 kg)
		240	-	-	130	175	
		480	-	-	65	90	
C-57***	57	208	-	-	158.4	225	142 lbs. (64 kg)
		240	-	-	137.3	200	
		480	-	-	68.6	90	

\* Only 6, 7, & 9kW Models 208 and 240 volts only, can be field converted to single phase (units are shipped 3-phase open delta). Larger branch circuit required than for balanced 3-phase of equal kW. (Balanced 3-phase available, consult factory)  
† 17.2kW models available in 208V 3-phase only.  
§ 18kW models not available in 208V 3-phase.  
\* Not available in 208V single phase.  
\*\*\* Not available in 208V or 240V single phase

**OPTIONS (NOT FOR RETROFIT)**

- All Stainless Steel Body and Base
- Slide Brackets (In lieu of Standard 6" (152 mm) Legs)
- Adjustable Stainless Steel Legs 6" to 7" (152 to 178 mm)
- Brass Pressure Reducing Valve with Bypass

- Floor Mounting Hardware
- Security Package

**ACCESSORIES**

- Blended Phosphate Water Treatment System
- Shock Absorber - To Reduce Water Hammer

**PRODUCT SPECS**

**Electric Booster Water Heater**

The Electric Booster Water Heater to supply the final 180°F (82°C) rinse for the dishwasher shall be a Compact Model ... as manufactured for commercial use by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The booster shall have the capacity to heat ...gph (lph) from 120°F to 180°F (49°C to 82°C) and it shall be rated at ...kW, ...volts, ...phase. The tank shall be designed for a working pressure of 150 psi (1034 kPa) and hydrostatically tested at 300 psi (2069 kPa) with a Hatco Castone® lining.

The heater shall be complete with all internal plumbing, including 3/4" NPT pipe and fittings for inlet and outlet. All controls shall be built-in, including contactors and prewired in accordance with

UL #1453 and 422.11 NEL 2002. Proper surface mounting circuit breaker or fused disconnect switch shall be provided by electrical contractor.

Electric heating elements shall be metal sheathed, controlled by an ambient compensating immersion thermostat. The booster shall be protected with high-temperature limit switch (ECO) and low-water cut-off.

The heater shall consist of stainless steel front and silver-gray hammer-tone body with standard 6" (152 mm) legs (or stainless steel body, base, and stainless steel adjustable legs).

The heater shall include a temperature/pressure relief valve, high-temperature pressure reducing valve with bypass, and two indicating temperature/pressure gauges.

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Form No. C-1006(S)

Printed in U.S.A.

# FISHER

## SPECIFICATION BOOK

<p>JOB NAME _____</p>	<p>QUANTITY _____</p>	<p>ITEM NO. _____</p>
<p>PRODUCT NAME:</p> <p><b>CLOSED REEL RINSE WALL MOUNTED WITH SPRAY VALVE</b></p>		
<p><input type="checkbox"/> SPECIAL CONFIGURATION (CHECK BASE MODEL AND OPTIONS)</p>		
<p>MODEL:</p> <p><input type="checkbox"/> 2985</p>		
<p>OPTIONS OR MODIFICATIONS:</p> <p><input type="checkbox"/> BRUSH</p> <p><input type="checkbox"/> OTHER _____</p>		
<p>FEATURES:</p> <p><b>REEL</b></p> <ul style="list-style-type: none"> <li>* CLOSED DESIGN</li> <li>* SELF-LOCKING</li> <li>* STAINLESS STEEL COVER</li> <li>* WALL MOUNTED</li> </ul> <p><b>HOSE</b></p> <ul style="list-style-type: none"> <li>* 30' LENGTH REEL HOSE</li> <li>* 3-PLY FIBER REINFORCED</li> <li>* 3/8" OR 1/2" FEMALE NPT INLET</li> <li>* 18' LENGTH INLET HOSE</li> <li>* ADJUSTABLE BALL STOP</li> </ul> <p><b>STANDARD PRO SPRAY VALVE</b></p> <ul style="list-style-type: none"> <li>* SOLID BRASS SHOWER HEAD - NO O RINGS TO LEAK</li> <li>* BRONZE HANDLE - NOT PLASTIC - MEANS FULL "ON"</li> <li>* FITS ALL BRANDS</li> <li>* 2.65GPM AT 80 PSI</li> <li>* SHOWER SPRAY PATTERN</li> </ul> <p><b>SYSTEM LIMITS</b></p> <ul style="list-style-type: none"> <li>* TEMP: 40° F MIN. TO 140° F MAX. STATIC</li> <li>* PRESSURE 200 PSI MAX. STATIC</li> </ul> <p><b>SHIPPING WEIGHT</b></p> <ul style="list-style-type: none"> <li>* 35.0 LBS</li> </ul>		

ROUGH-IN: SEE MOUNTING PLATE BELOW

ANSI/A112 18.1M

SPEC. 2985 REV. B