

RackStar® 44 with optional Energy Recovery

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

RackStar® 44 with optional Energy Recovery

Models

RackStar 44 with optional Energy Recovery



Standard Features

- Energy Recovery
- Adjustable Rinse System
- 27kW electric booster heater
- Rainbow Rinse™ with arched rinse arm design
- 19-3/4" (502 mm) clearance
- WISR® Cleaning System
- Double-wall insulated doors retain heat, keeping wash water hot & generating less heat in the dishroom
- Self-cleaning wash arms
- Fully automatic, including auto-fill
- Adjustable vent cowl collars
- Exclusive EnergyGuard™ controls
- Self-draining stainless steel wash pump
- Digital LED control panel
- Strike plate table limit switch
- Large front access for ease of maintenance
- Stainless steel strainer pans
- Splash shields
- Stainless steel frame and legs
- Exhaust vent fan control
- Built-in pressure regulator
- 15kW wash tank heater
- Front dress panel
- Adjustable bullet feet

Mandatory Specs

Specify Voltage _____

Specify Direction of Operation:

- ☐ Left to Right
☐ Right to Left

Options

- ☐ Single Point Connection with Onboard Booster (3 phase only)
☐ 23" (584 mm) Unhooded Side Loader
☐ 30" (762 mm) Unhooded Side Loader
☐ Flanged Feet
☐ Prison Package

Accessories

- ☐ 36-Compartment Rack
☐ 4-1/8" tall (104 mm)
☐ 5 - 5/8" tall (143 mm)
☐ 7" tall (178 mm)
☐ Combination Rack
☐ Peg Rack
☐ Sheet Pan Rack
☐ Drain Quench System
☐ Scaltrol
☐ Water Hammer Arrestor

Specifications

Uses 0.35 gallons of water (1.32 liters) per rack in Econo Rinse mode

Uses 0.52 gallons of water (1.97 liters) per rack in Turbo Rinse mode

Cleans 223 racks per hour

Durable stainless steel construction



Intertek



RECOMMENDED TABLE FABRICATION

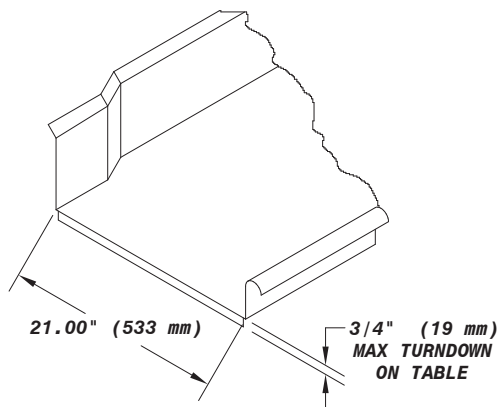
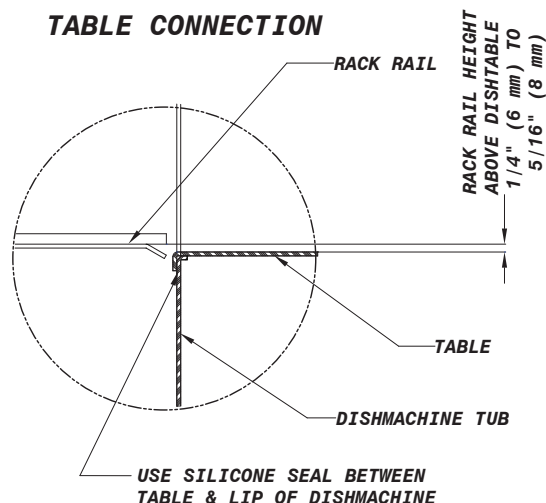


TABLE CONNECTION



| MODEL NO. | MACHINE DIMENSIONS | | | | DRAIN HEIGHT | SHIPPING INFORMATION | | | | | |
|----------------|--------------------|---------------------------|--------------|-----------------------|-----------------|----------------------|-------|-------------|---------------|---------------|---------------|
| | HEIGHT | LENGTH BETWEEN DISHTABLES | DEPTH | DEPTH WITH DOORS OPEN | | WEIGHT | CLASS | CUBE | HEIGHT | WIDTH | DEPTH |
| RackStar 44 ER | 80-1/2" (2045 mm) | 44" (1118 mm) | 30" (762 mm) | 50" (1270 mm) | 6-1/2" (165 mm) | 734 lbs (333 kg) | 150 | 163 cu. ft. | 89" (2261 mm) | 77" (1956 mm) | 41" (1041 mm) |

OPERATING CAPACITY

| | High-Temperature | Chemical Sanitizing |
|------------------|------------------|---------------------|
| Racks per Hour | 223 | 223 |
| Dishes per Hour | 5,575 | 5,575 |
| Glasses per Hour | 8,028 | 8,028 |

OPERATING TEMPERATURES

| | High-Temperature | Chemical Sanitizing |
|-----------------|------------------|---------------------|
| Wash (minimum) | 160° F (71° C) | 120° F (49° C) |
| Rinse (minimum) | 180° F (82° C) | 120° F (49° C) |

ELECTRICAL REQUIREMENTS

| Approximate Total Load AMPS | |
|-----------------------------|------|
| 208V/60HZ/3PH | 51.3 |
| 208V/60HZ/1PH | 83.9 |
| 230V/60HZ/3PH | 44.1 |
| 230V/60HZ/1PH | 71.7 |
| 460V/60HZ/3PH | 22.1 |

BOOSTER HEATER ELECTRICAL REQUIREMENTS

| | 70° F (38.9° C) Minimum Rise | |
|---------------|------------------------------|------|
| | kW | AMPS |
| 208V/60HZ/3PH | 27 | 75 |
| 208V/60HZ/1PH | 27 | 130 |
| 230V/60HZ/3PH | 27 | 65 |
| 230V/60HZ/1PH | 27 | 113 |
| 460V/60HZ/3PH | 27 | 33 |

*Total amp draw for a single point connection with onboard booster heater (3 phase only) is calculated by adding the amp load for the booster heater to the amp load for the machine.

HOW TO SPECIFY: RackStar 44 with Energy Recovery

WATER REQUIREMENTS

| | |
|--|-------------------|
| Hot water inlet temperature (minimum) | 110° F (43° C) |
| Cold water inlet temperature (minimum) | 55° F (43° C) |
| Gallons per Hour (Econo Rinse mode) | 78 gal (295 L) |
| Gallons per Hour (Turbo Rinse mode) | 116 gal (239.1 L) |
| Gallons per Rack (Econo Rinse mode) | 0.35 gal (1.3 L) |
| Gallons per Rack (Turbo Rinse mode) | 0.52 gal (1.97 L) |
| Waterline Size NPT | 1/2" |
| Drainline Size IPS (minimum) | 1-1/2" |
| Flow Pressure (PSI) | 15 |
| Flow Rate GPM (minimum) | 1.3 (4.9 LPM) |
| Wash Tank Capacity | 25 gal (95 L) |

WASH PUMP

| | |
|--------------------|--------------------|
| Wash Pump Motor | 3 hp |
| Wash Pump Capacity | 270 GPM (1022 LPM) |

CONVEYOR

| | |
|----------------------------------|---------------------|
| Conveyor Motor | 1/4 hp |
| Conveyor Speed (feet per minute) | 6.07 FPM (1.85 MPM) |

VENTING REQUIREMENTS

| | |
|------------|---------|
| Input End | 175 CFM |
| Output End | 175 CFM |
| Total CFM | 350 CFM |

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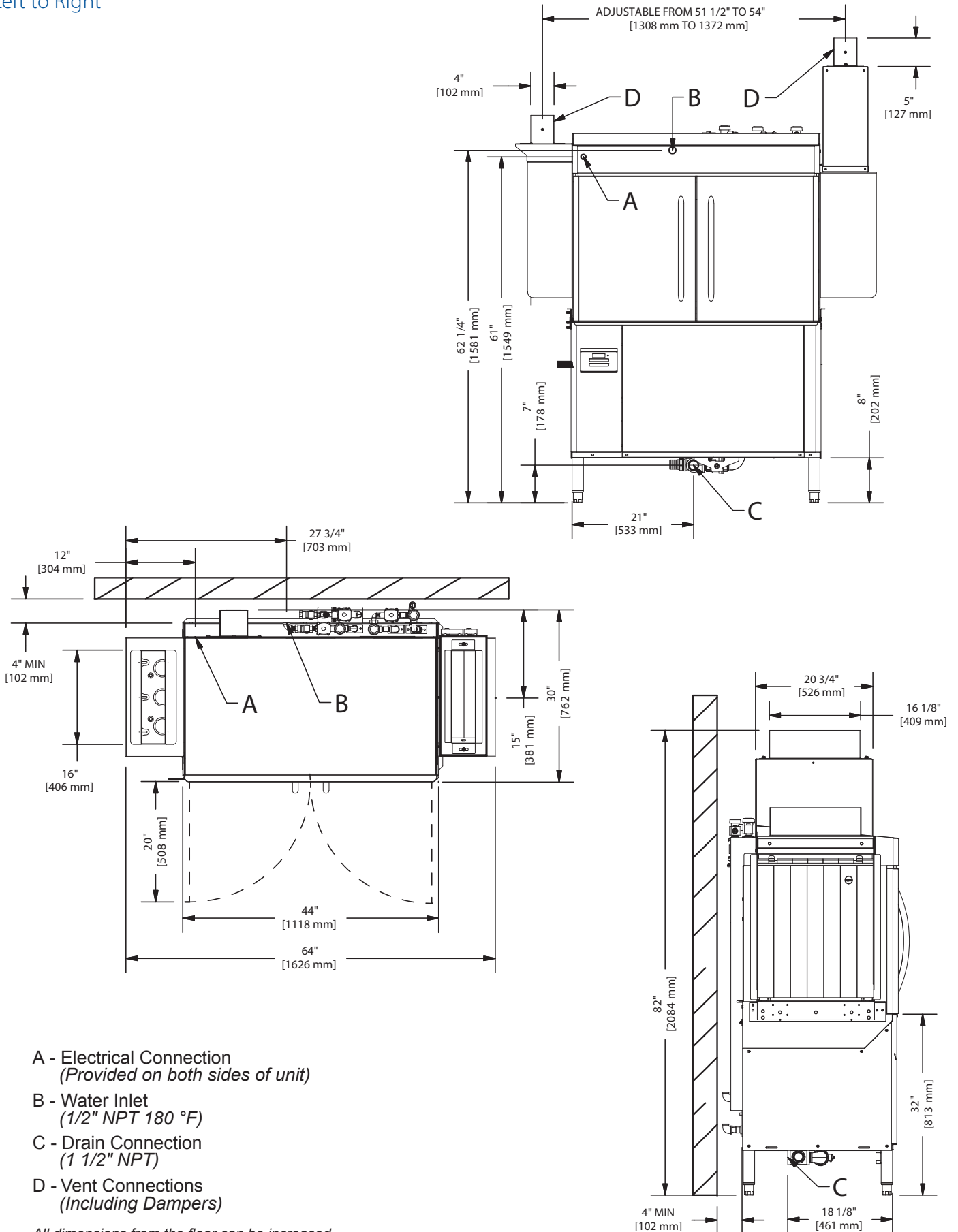
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We reserve the right to change specifications in this bulletin without incurring any obligation for equipment previously or subsequently sold.

RackStar® 44 with optional Energy Recovery

Left to Right



- A - Electrical Connection
(Provided on both sides of unit)
- B - Water Inlet
(1/2" NPT 180 °F)
- C - Drain Connection
(1 1/2" NPT)
- D - Vent Connections
(Including Dampers)

All dimensions from the floor can be increased
1 3/4" using the machine's adjustable feet

