

# Champion®

The Dishwashing Machine Specialists

Project \_\_\_\_\_

Item No. \_\_\_\_\_

Quantity \_\_\_\_\_

PRO SERIES RACK CONVEYOR

## STANDARD FEATURES

- **Exhaust Air Energy Recovery** – reuses waste energy to preheat incoming water
- **Perpetual Rack Advance System**, with intuitive jam alert, and drive protection
- **Proportional Rinse**, delivering unmatched total ware coverage, utilizing digital pattern cloning, stainless steel nozzles
- 209 racks per hour
- 100 GPH with energy sentinel (idle pump shut-off)
- **Prodigy Series HMI Display**, intuitive condition alerts, with user friendly cleaning and operation visual guidance, multi-lingual, touch control
- **Proactive maintenance interface**, self-diagnostics, problem recognition, with repair recommendation, from HMI touch screen
- **Programmable Machine Dwell** with automatic rack alignment into the optimal wash zone
- **Automatic Drain Valve *Exclusive!***
- Single-piece hood design
- Single-piece stainless steel upper and lower wash arm manifolds
- Single-point electrical connection, machine and built-in booster heater
- 20" standard vertical clearance which accommodates 18" x 26" sheet pans
- Full 180° opening leak proof insulated hinged access doors
- Stainless steel heavy gauge construction including base, legs and feet
- Enclosure panels (front and sides)
- 2 HP pump motor, with stainless steel impeller
- Factory Authorized Start-up
- Vent fan control
- **ENERGY STAR® Qualified**
- **Made in America**



**Customers save \$1,500 per year in energy cost on average when compared to a standard machine!**

## PRO SERIES 44PRO w/Heat Recovery Option (Electric) High Temperature Rack Conveyor Dishwashing Machine



Model 44 PRO shown with vent cowl and damper option



Photo is for general visual representation only. Please refer to specifications for the latest detailed product information.

## SPECIFIER STATEMENT

Specified unit will be Champion Model 44PRO w/Heat Recovery Option (Electric) waste air high temperature rack conveyor dishwashing machine. Features top mounted Prodigy HMI user interface controls with proactive maintenance software, proportional rinse, using only 100 GPH, built-in 21 kW booster, progressive anti-jam drive system, energy sentinel (idle pump shut-off), 209 racks per hour, single-piece hood design, single-piece stainless steel upper & lower wash arms manifolds, full 180° opening leak proof insulated hinged access doors.

1 year parts and labor warranty.

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# PRO SERIES

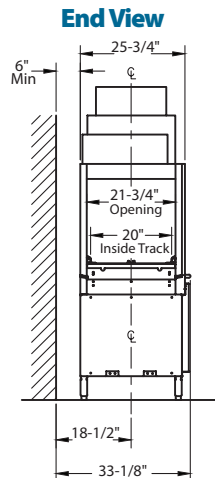
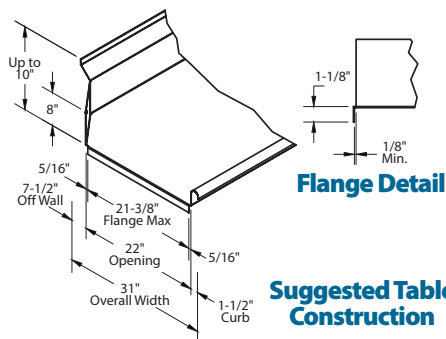
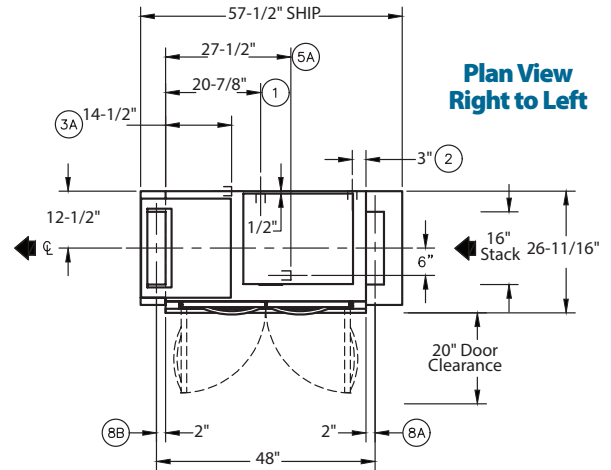
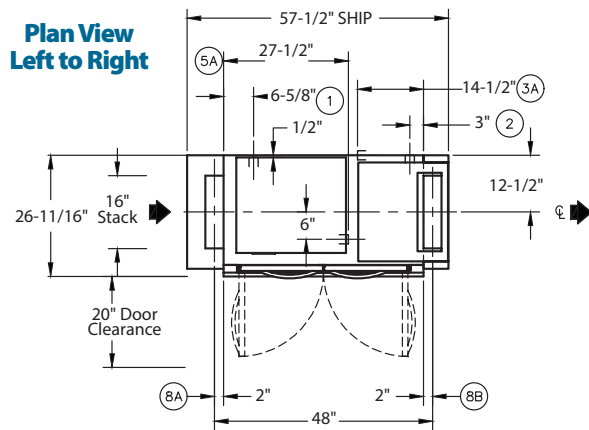
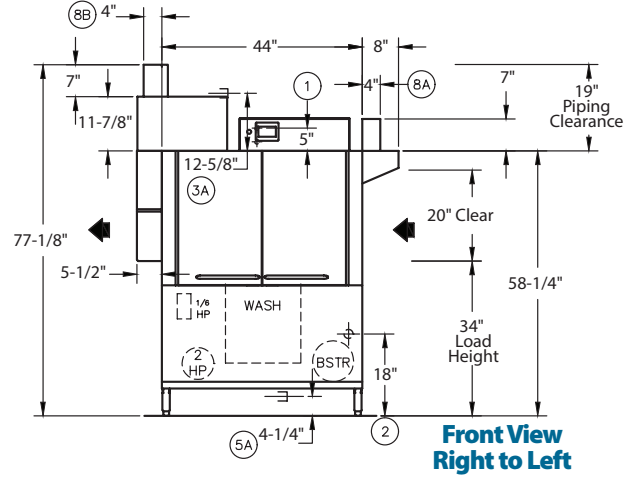
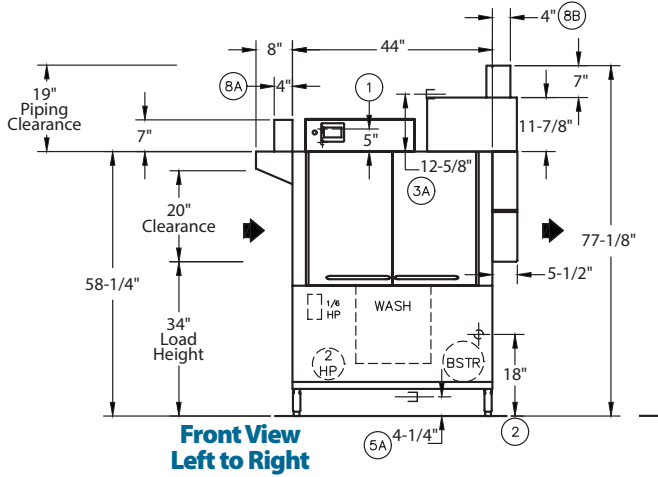
**44PRO w/Heat Recovery Option (Electric)**  
 High Temperature Rack Conveyor  
 Dishwashing Machine

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## MODEL 44PRO w/Heat Recovery Option (Electric)

Shipping weight crated: **600 lbs.**

Dimensions shown in inches [mm]



# PRO SERIES

**44PRO w/Heat Recovery Option (Electric)**  
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| Utilities |  |
|-----------|--|
| <b>1</b>  | <b>Electrical Connection</b><br>A Machine electrical connection and booster electrical connection  |
| <b>2</b>  | <b>Hot Water</b> 30psi machine with built-in booster<br>Main connection 1/2" NPT   |
| <b>3</b>  | <b>Cold Water</b> 30psi Connection 1/2" NPT; 55° Minimum   |
| <b>5</b>  | <b>Drain</b> Connection 1-1/4" NPT   |
| <b>8</b>  | <b>Vents</b><br>A Stack connection - Load end 200 CFM @ 1/4" static pressure<br>B Stack connection - Unload end 200 CFM @ 1/4" static pressure |

**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), direct venting is not required if used under a canopy vent.

**Optional Drain Tempering:** 1/2" NPT cold water connection required. 1/2" NPT drain connection from back flow preventer to house drain. (FIELD INSTALLED and PLUMBED).

## Single Tank PRO Rack Machine and Booster Ratings

The tables below give the ratings for each model. The ratings include the requirements of the 21 kW booster heater when they are use.

### Machines with a single point electrical connection:

| 44PRO w/Heat Recovery Option (Electric) Tank Heat, 21 kW 70° Booster |            |                                 |                                       |
|--|------------|---------------------------------|---------------------------------------|
| Electrical Specifications  | Rated Amps | Minimum Supply Circuit Ampacity | Maximum Overcurrent Protective Device |
| 208/60/1   | 190        | 250                             | 250                                   |
| 208/60/3   | 111        | 150                             | 150                                   |
| 240/60/1   | 167        | 225                             | 225                                   |
| 240/60/3   | 96         | 125                             | 125                                   |
| 480/60/3   | 47         | 60                              | 60                                    |
| 575/60/3   | 40         | 50                              | 50                                    |

## SPECIFICATIONS

### Capacity

|                           |     |
|---------------------------|-----|
| Racks per hr. (NSF rated) | 209 |
| Wash tank (US gal.)       | 17  |
| Conveyor speed (ft/min.)  | 5.8 |

### Motor Horsepower

|       |     |
|-------|-----|
| Drive | 1/6 |
| Wash  | 2   |

### Water Consumption

|                            |      |
|----------------------------|------|
| US Gal. per hr. (max. use) | 100  |
| US Gal. per rack           | 0.48 |

### Heating

|   |    |
|---|----|
| Tank Heat, electric (kW)  | 15 |
| Electric booster (built-in) (kW supplied for 70°F rise)                   | 21 |
| <i>Booster heaters completely inter plumbed, controls are intertwined</i> |    |

### Venting

|                          |     |
|--------------------------|-----|
| Load end (minimum CFM)   | 200 |
| Unload end (minimum CFM) | 200 |

### Standard 20" x 20" rack complement

|      |   |
|------|---|
| Peg  | 1 |
| Flat | 1 |

### Machines with a dual point electrical connection:

| 44PRO w/Heat Recovery Option (Electric), 21 kW Booster Only |            |                                 |                                       |
|---|------------|---------------------------------|---------------------------------------|
| Electrical Specifications                                   | Rated Amps | Minimum Supply Circuit Ampacity | Maximum Overcurrent Protective Device |
| 208/60/1  | 101        | 125                             | 125                                   |
| 208/60/3  | 59         | 80                              | 80                                    |
| 240/60/1  | 88         | 110                             | 110                                   |
| 240/60/3  | 51         | 70                              | 70                                    |
| 480/60/3  | 26         | 35                              | 35                                    |
| 575/60/3  | 22         | 30                              | 30                                    |

| 44PRO w/Heat Recovery Option (Electric), Machine Only |            |                                 |                                       |
|---|------------|---------------------------------|---------------------------------------|
| Electrical Specifications                             | Rated Amps | Minimum Supply Circuit Ampacity | Maximum Overcurrent Protective Device |
| 208/60/1  | 89         | 125                             | 125                                   |
| 208/60/3  | 52         | 70                              | 70                                    |
| 240/60/1  | 79         | 100                             | 100                                   |
| 240/60/3  | 45         | 60                              | 60                                    |
| 480/60/3  | 22         | 30                              | 30                                    |
| 575/60/3  | 19         | 25                              | 25                                    |

**Note:** Machine ships as a single point electrical connection standard. Easily converted to a dual point connection by a qualified electrician.

# PRO SERIES

## 44PRO w/Heat Recovery Option (Electric)

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### OPTIONS & ACCESSORIES

- Steam Tank Heat (*see spec sheet*)
- Two-Point electrical connection, separate for machine and booster (Field convertible)
- Model 33BDPRO 33" blower dryer
- Cantilever sideloader for 90° load operation
  - 24" Sideload
  - 30" Sideload (accepts sheet pans)
- Racks: peg or flat racks (specify type)
- Table limit switch, unmounted (recommended on all rack conveyor installations) (unmounted)
- Vent cowl, stainless steel with 7" stack and locking damper
- Water hammer kit (unmounted) for HW & CW lines
- Drain tempering kit (unmounted)
- Model PRO 90 (90° Corner Conveyor Table)
- Model RCT 64 or RCT 84 Roller Conveyor Table (See factory for custom length)
- Splash shield (load end only)
- NEW** Champion Ventless Heat Recovery (*see spec sheet*)
- ION scale prevention device (unmounted) for HW & CW lines
- Flanged feet



### NEW PRO-90

90° Corner Conveyor Table (shown)



### Cantilever Sideloader



### Model RCT 64 or RCT 84 Roller Conveyor Table