

Champion®

The Dishwashing Machine Specialists

Project _____

Item No. _____

Quantity _____

STANDARD FEATURES

- NEW **Ventless Heat Recovery** Technology
 - **No** Type II exhaust **hood** required
 - **Saves** up to **13kW** during operation
 - **Less than 70° conditioned air** back into the dish room
- **36" Heavy Duty Pre-Wash**, for high soil applications
 - 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
 - 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)
 - Factory Authorized Start-up
 - **Made in America**



PRO SERIES

80 PRO HD VHR Electric

Ventless Heat Recovery
High Temperature Rack Conveyor
Dishwashing Machine



44-PRO-VHR shown; 80-PRO-VHR will have a 36" pre-wash.



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 80 PRO HD VHR Series Ventless Heat Recovery 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.

Champion Industries, Inc.
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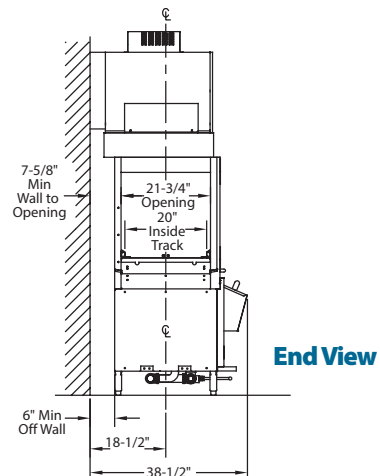
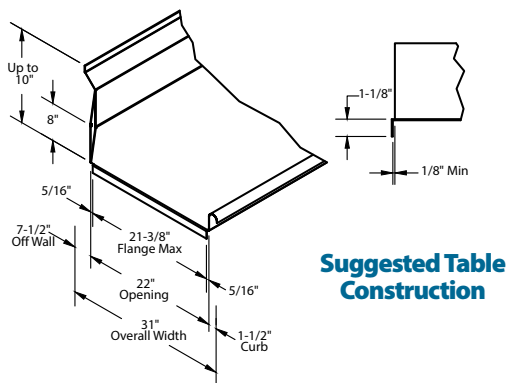
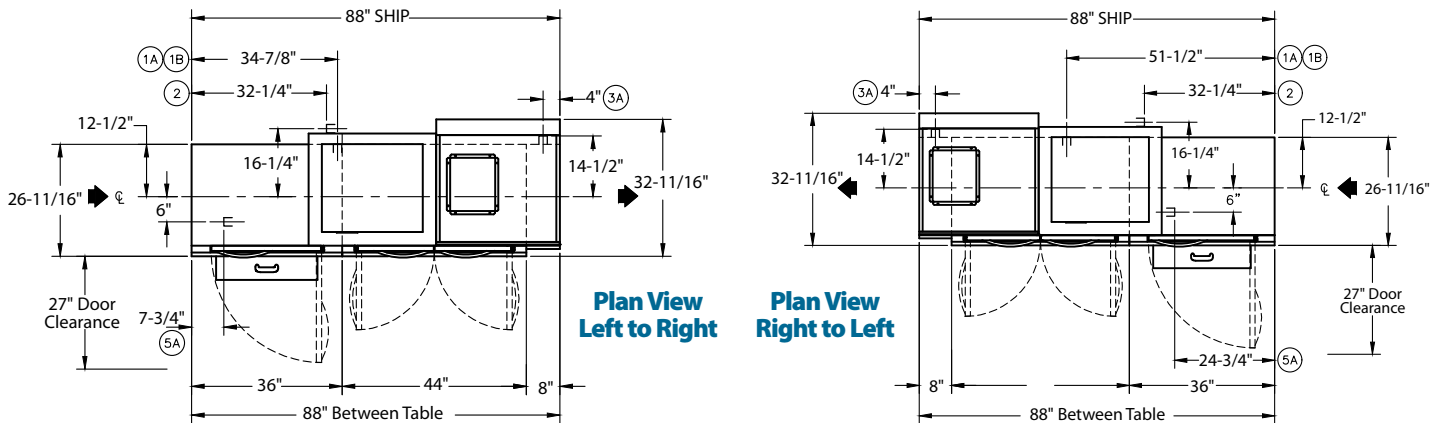
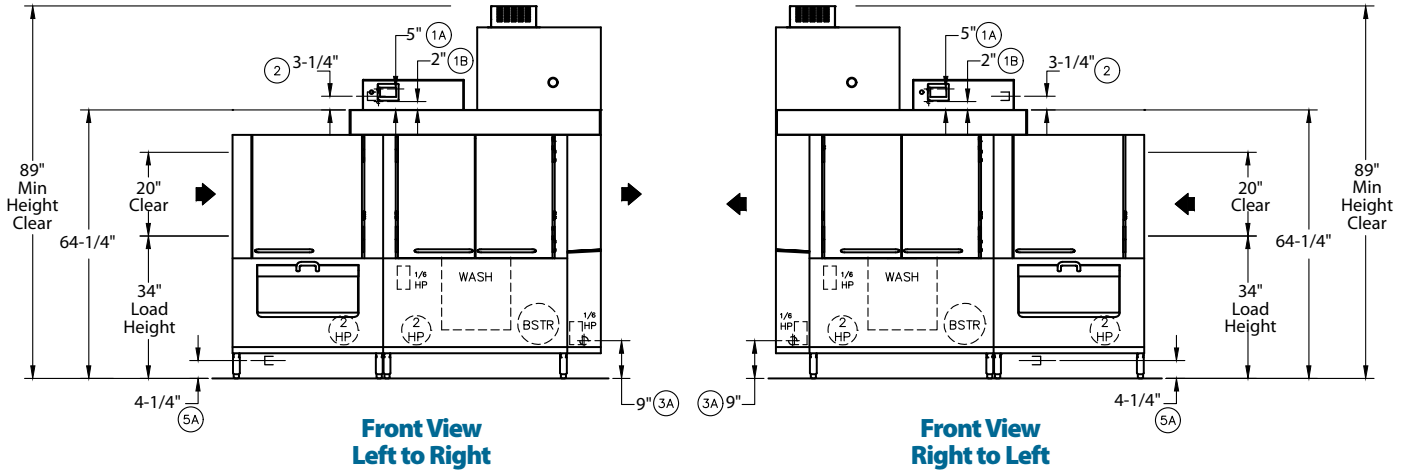
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MODEL 80 PRO HD VHR

Shipping weight crated: Machine only: 1,050lbs; Heat Pump only: 425lbs

Dimensions shown in inches [mm]



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

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| Utilities | |
|-----------|---|
| 1 | Electrical Connection A Machine electrical connection (to include tank heat) B Booster electrical connection |
| 2 | Hot Water Tank fill 1/2" NPT |
| 4 | Cold Water Booster connection 1/2" NPT, min 50° at 40psi |
| 5 | Drain Connection 1-1/4" NPT |

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: The Ventless feature is subject to local codes for ventilation requirements.

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).

| 80 PRO HD VHR Electric Heat (1A) | | | |
|----------------------------------|------------|---------------------------------|---------------------------------------|
| Electrical Specifications | Rated Amps | Minimum Supply Circuit Ampacity | Maximum Overcurrent Protective Device |
| 208/60/3 | 84 | 110 | 110 |
| 240/60/3 | 76 | 100 | 100 |
| 480/60/3 | 38 | 50 | 50 |
| 575/60/3 | 31 | 40 | 40 |

| 80 PRO Electric 21 kW Booster (1B) | | | |
|------------------------------------|------------|---------------------------------|---------------------------------------|
| Electrical Specifications | Rated Amps | Minimum Supply Circuit Ampacity | Maximum Overcurrent Protective Device |
| 208/60/3 | 58 | 75 | 75 |
| 240/60/3 | 51 | 65 | 65 |
| 480/60/3 | 25 | 35 | 35 |
| 575/60/3 | 21 | 30 | 30 |

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 |
| Pre-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 |

Booster heaters completely inter plumbed, controls are interwired

| | |
|------------------------------|------|
| Latent Heat Load. | 5789 |
| Sensible Heat Load | 7789 |

Standard 20" x 20" rack complement

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

PRO SERIES

PRO SERIES RACK CONVEYOR

80 PRO HD VHR Electric

Ventless Heat Recovery
High Temperature Rack Conveyor
Dishwashing Machine

OPTIONS & ACCESSORIES

- 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)
- Water pressure regulating valve (unmounted) (standard with booster)
- Water hammer kit (unmounted)
- Drain tempering kit (unmounted)
- Model PRO-90 Unloader (90° Corner Conveyor Table)
- Model RCT 64 or RCT 84 Roller Conveyor Table (See factory for custom length)
- Splash shields (load end only)
- ION scale prevention device (unmounted)
- DirectLink — internet connectivity solution allowing remote-in factory service support
- DirectLink Plus — standard DirectLink with additional data storage and customized web portal to download temperature data

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NEW PRO-90

90° Corner Conveyor Table (shown)

Unloader only



Cantilever Sideloader

(No hood)



Model RCT 64 or RCT 84

Roller
Conveyor Table

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