

The Dishwashing Machine Specialists

Project _	
Item No.	
Quantity .	
Qualitity -	

STANDARD FEATURES

- NEW Auto Delime Function
- PROgressive drive system, with intuitive jam alert, and drive protection
- Proportional rinse, delivering unmatched total ware coverage, utilizing digital pattern cloning, stainless steel nozzles
- 348 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, selfdiagnostics, 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 external 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 motors, with stainless steel impeller
- Factory Authorized Start-up
- Vent fan control
- ENERGY STAR® Qualified
- Made in America



PRO SERIES

86 PRO Steam

High Temperature 2-Tank Rack Conveyor Dishwashing Machine











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 86 *PRO* Series high temperature 2-tank rack conveyor dishwashing machine. Features top mounted Prodigy HMI user interface controls with proactive maintenance software, proportional rinse, using only 100 GPH, , progressive anti-jam drive system, energy sentinel (idle pump shut-off), 348 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. 3765 Champion Blvd., Winston-Salem, NC 27105 Tel: 336/661-1556 Fax: 336/661-1979

www.championindustries.com

PRO SERIES

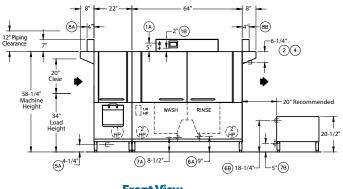
86 PRO Steam

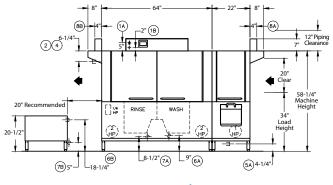
High Temperature Rack Conveyor Dishwashing Machine



MODEL 86 PRO Shipping weight crated: 1,200lbs

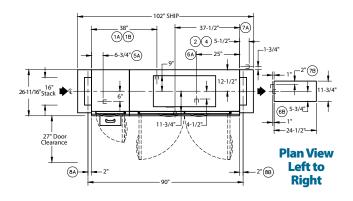
Dimensions shown in inches [mm]

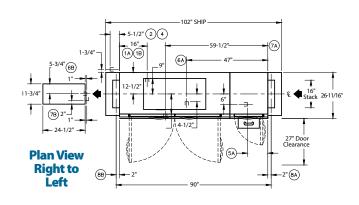


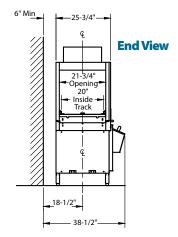


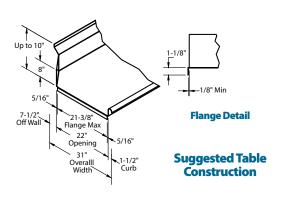
Front View Left to Right

Front View Right to Left









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86 PRO Steam

High Temperature Rack Conveyor Dishwashing Machine



Utilities Electrical Connection – Machine requirements 5.17Hp (See electrical chart for amp loads) (Stepdown transformer provides 120V cont.) Hot Water 110°F 3/4" NPT Connection with external booster water consumption 100 gph at 20 psi Cold Water 50°F - 70°F (optional) 1/2" NPT drain water tempering kit PRV to be supplied by others if pressure exceeds 60 psi Hot Water 180°F 3/4" NPT water consumption 100 gph at 20 psi PRV by others if pressure is higher (water connection without supplied booster) **Drain** Connection 1-1/4" NPT Steam Flow Press (10-30 psi) A 1" NPT tank heat; 125 lb/hr consumption **B** 3/4" NPT booster; 110 lb/hr consumption **Condensate No Back Pressure** A 3/4" NPT machine return to boiler **B** 1/2" NPT machine return to boiler Vents 4" x 16" Inside **A** Load end: 150 CFM at 1/4" SP B Unload end: 400 CFM at 1/4" SP

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) **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).

Two Tank PRO Rack Machine and Booster Ratings

The table below gives the ratings for each model.

Machines with a single point electrical connection:

86 PRO Steam				
Electrical Specifications	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device	
208/60/3	20	25	25	
240/60/3	17	25	25	
480/60/3	9	15	15	
575/60/3	7	15	15	

SPECIFICATIONS
Capacity Racks per hr. (NSF rated) 348 Wash tank (US gal.) 17 Power Rinse tank 17 Conveyor speed (ft/min.) 9.55 Conveyor speed Pot/Pan Mode (ft/min.) 4.6 (only one rack at a time in Pot/Pan Mode)
Motor Horsepower 1/6 Drive 1/6 Pre-wash 1 Wash 2 Rinse 2
Water Consumption US Gal. per hr. (max. use). 100 US Gal. per rack. 0.29
Heating (10-30 psi flow pressure) Tank heat, steam (lbs./hr. required)
Venting150Load end (minimum CFM)400
Standard 20" x 20" rack complement Peg 1 Flat 1

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86 PRO Steam

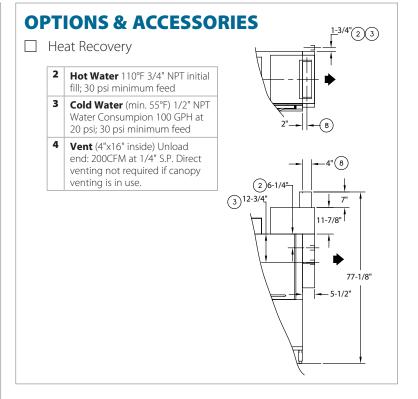
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OPTIONS & ACCESSORIES ☐ Tank heat: choice of steam coil ☐ 48" Blower-dryer – steam or electric ☐ Booster Heaters (completely interplumbed, controls are interwired) ☐ Steam: 40°F or 70°F rise ☐ Cantilever sideloader for 90° operation ☐ 24" cantilever sideloader ☐ 30" cantilever sideloader ☐ Racks: Peg (specify qty____ ☐ Racks: Flat (specify qty___ Racks: Sheet pan (specify gty ☐ Table limit switch (recommended on all rack conveyor installations) (unmounted) ☐ Button style ☐ Whisker style ☐ Vent cowls, stainless steel with 7" stack and locking damper ☐ Extended Vent Cowls ☐ Water pressure regulating valve (unmounted) (standard with booster) ☐ Water hammer kit (unmounted) ☐ Drain tempering kit (unmounted) ☐ Model PRO 90 (90° Corner Conveyor Table) ☐ Model RCT 86 or RCT 84 Roller Conveyor Table (Contact factory for custom length)

☐ ION scale prevention device (unmounted)





Cantilever Sideloader (No hood)



90° Corner Conveyor Table (shown)

Roller Conveyor Table

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☐ Splash shields

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