

Champion®

The Dishwashing Machine Specialists

Project _____

Item No. _____

Quantity _____

STANDARD FEATURES

- ENERGY STAR® Qualified
- Automatic tank fill
- Detergent/chemical connection provisions
- Door safety switches
- Automatic electric drain valve
- Electric tank heat
- Interchangeable upper and lower spray arms
- Low-water tank heat protection
- Pump motor, drip-proof 1 Hp
- Stainless steel pump impeller
- Stainless steel front and side panels
- Top-mounted, splash-proof control console
- Single point electrical connection (see chart)
- Balanced door lift system
- Built-in 40°F/22°C rise stainless steel electric booster (DHB only)
- Vent fan control

D-HB/D-H1

Door-type High Temperature
Dishwashing Machine



OPTIONS & ACCESSORIES

- Sheet pan rack
- Electric: 70°F/39°C rise (built-in) (DHB only)
- Steam coil tank heat
- Steam injector tank heat (DHB only)
- Steam: 40°F/22°C - 70°F/39°C rise (built-in) (DHB only)
- Corner operation

SPECIFIER STATEMENT

Specified unit will be Champion model D-HB/D-H1 high temperature dishwashing machine with built-in, stainless steel booster heater (DH1 without booster).

Features top mounted control cabinet, balanced door-lift with door safety switch, 40°F/22°C rise, built-in SST booster (DHB only), interchangeable stainless steel wash and rinse arms, 55 racks/hr., 0.86 US gals/rack, single point electrical connection. Constructed of Type 304 SST.

1 year parts and labor warranty.

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

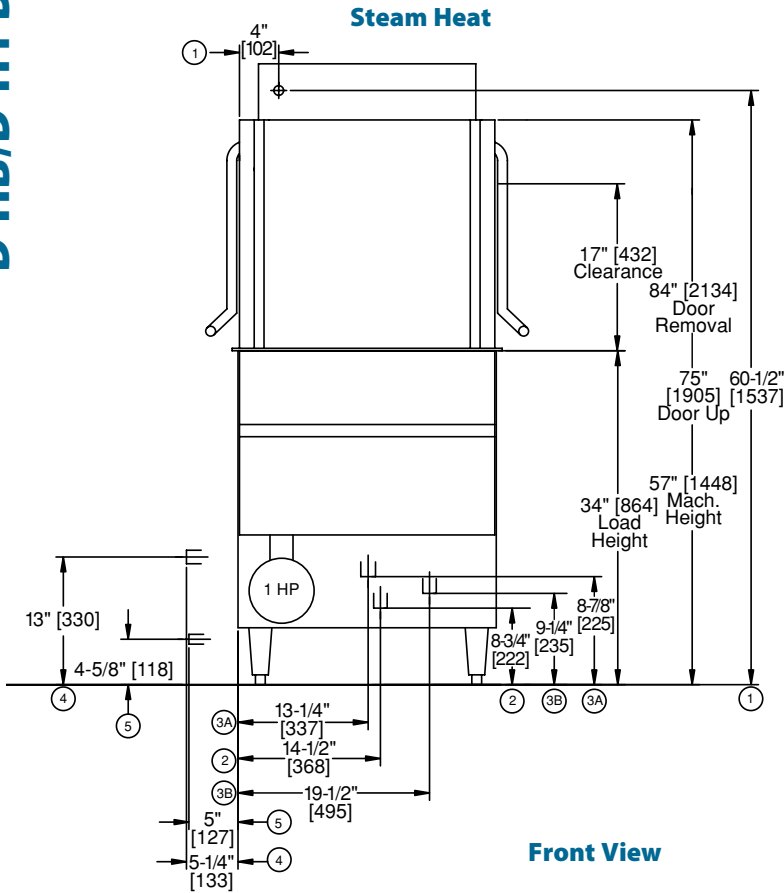
Champion Industries, Inc.
3765 Champion Blvd., Winston-Salem, NC 27105
Tel: 800/532-8591 Fax: 336/661-1979
www.championindustries.com

D-HB/D-H1

Door-type High Temperature Dishwashing Machine

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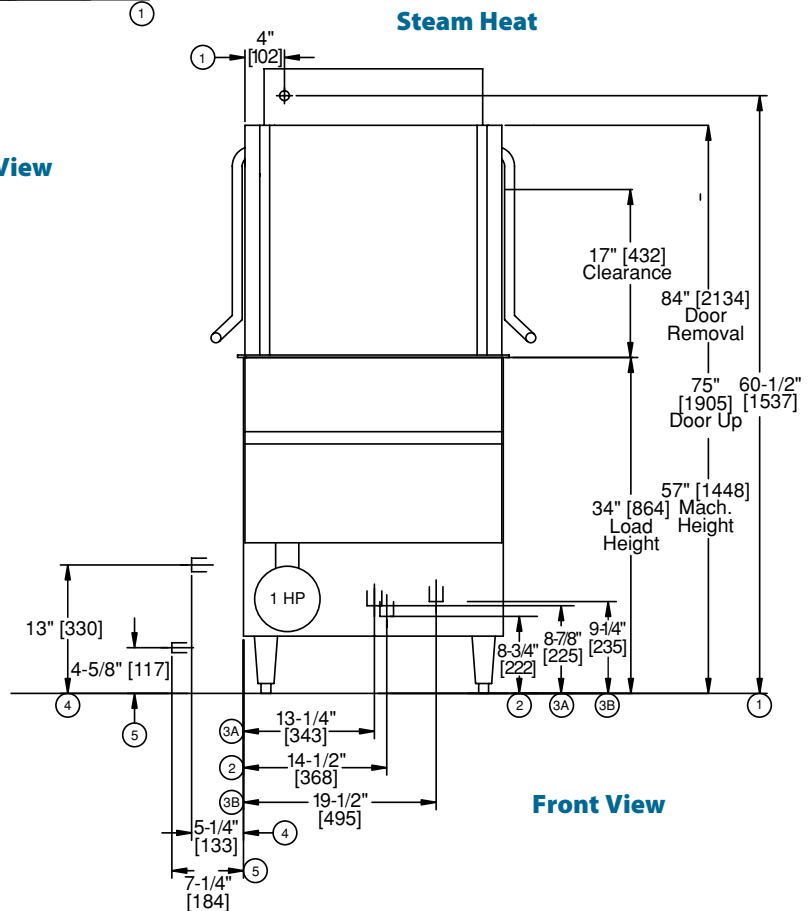


Front View

For Steam Heat D-HB w/40°F/33°C or 70°F/39°C Rise Booster			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Minimum Overcurrent Protective Device
208/60/1	13	15	15
240/60/1	12	15	15
208/60/3	6	15	15
240/60/3	6	15	15
480/60/3	3	15	15
575/60/3	3	15	15

For Steam Heat D-H1 Electrical Power Requirements			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Minimum Overcurrent Protective Device
115/60/1	22	30	30
208/60/1	12	15	15
240/60/1	11	15	15
208/60/3	6	15	15
240/60/3	6	15	15
480/60/3	3	15	15
575/60/3	3	15	15

Utilities	
1	Electrical (See Box)
2	Hot Water (DHB) 3/4" NPT 110°F/43°C - 140°F/60°C hot water connection. Flow pressure 20-22 psi. (138-151kPa)
3	Drain A. 2" O.D. machine connection (15 US gpm) B. 3/4" NPT booster relief to open drain
4	Steam 3/4" NPT machine connection. Flow pressure 15-30 psi.
5	Condensate 3/4" NPT machine return to boiler A. Steam Injector B. Steam Coil



Front View

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D-HB/D-H1

Door-type High Temperature Dishwashing Machine

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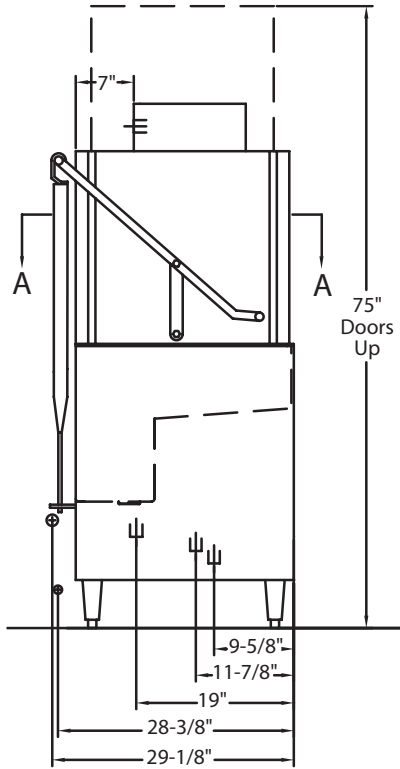
Dimensions shown in inches and [millimeters]

Length between table connections: **26"/660mm**

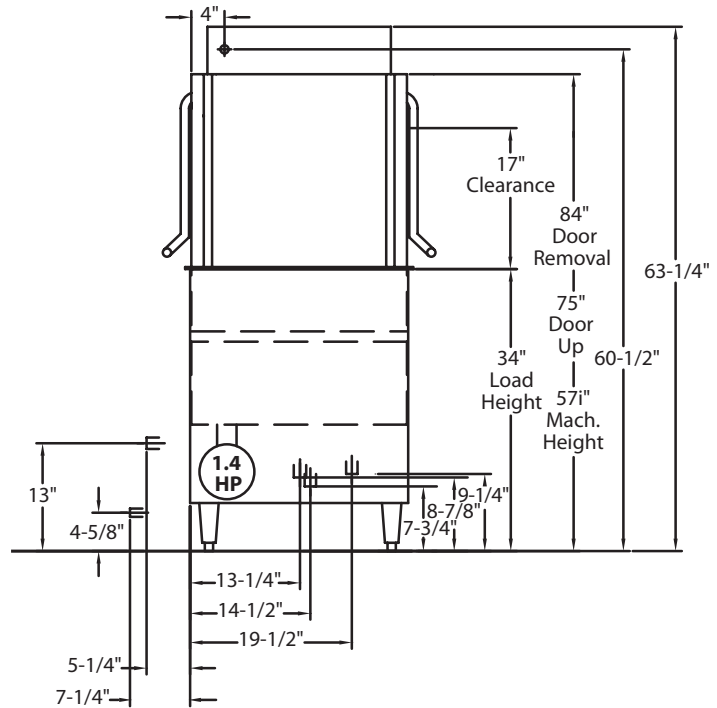
Volume crated: **46 cu.ft.**

Shipping weight crated: **350 lbs./158kg**

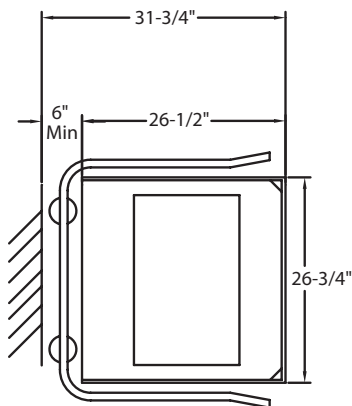
Details, Dimensions & Connections



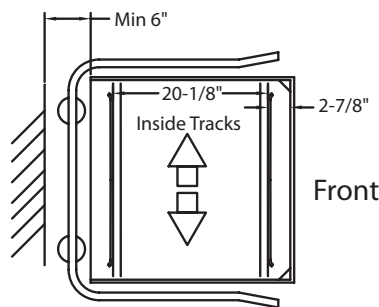
Side View



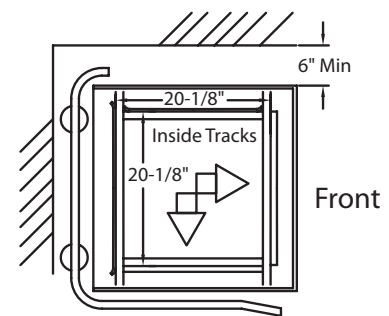
Front View



Plan View



Straight Through



Corner Configuration

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D-HB/D-H1

Door-type High Temperature Dishwashing Machine

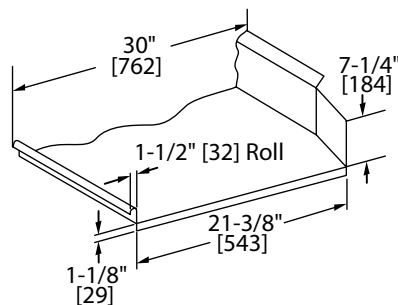
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Utilities	
1	Electrical (See Box)
2	Hot Water (DHB) 3/4" NPT hot water 140°F/60°C min for 40°F/22°C rise booster. 3/4" NPT hot water 110°F/43°C min for 70°F/39°C rise booster. Flow pressure 20-22 psi. (138-151kPa) Hot Water (DH1) 3/4" NPT 180°F/82°C hot water connection. Flow pressure 20-22 ps, (138-151 kPa)
3	Drain 2" O.D. connection. Max. flow rate 15 US gpm. (12imp.gpm/54/Lpm)

For Electrical Heat D-HB w/40°F/22°C Rise Booster			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Minimum Overcurrent Protective Device
208/60/1	73	80	80
240/60/1	81	90	90
208/60/3	41	50	50
240/60/3	46	50	50
480/60/3	20	25	25
575/60/3	16	20	20

For Electrical Heat D-HB w/70°F/39°C Rise Booster			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Minimum Overcurrent Protective Device
208/60/3	58	60	60
240/60/3	66	70	70
480/60/3	30	35	35
575/60/3	25	30	30



Typical Table Construction

SPECIFICATIONS

Capacity

Racks per hr. (NSF rated) 55
 Wash tank US gal. (imp. gal./liters) 9 (7.5/34)

Motor horsepower

1

Water consumption

Gal. per hr. (max. use) US gal. (imp. gal./liters) 49 (41/186)
 Gal. per rack (US gal. (imp. gal./liters) .86 (0.74/3.4)

Temperatures °F/°C

Wash 150/66
 Rinse 180/82

Heating

Tank heat, electric, (kW) 5.2
 Tank heat, steam (lbs.per hr. required at 15 psi flow pressure) 25

DHB only

Electric booster (kW required for 40°F/22°C rise) 9
 Electric booster (kW required for 70°F/39°C rise) 13
 Steam booster (internally mounted) (lbs. per hr. required for 40°F/22°C rise) 50
 Steam booster (internally mounted) (lbs.per hr. required for 70°F/39°C rise) 65

Time cycle in seconds

Wash 40
 Rinse 8
 Dwell 12
 Total cycle 60

For Electric Heat D-H1 Electrical Power Requirements			
Elec. Specs.	Rated Amps	Minimum Supply Ckt. Conductor Ampacity	Minimum Overcurrent Protective Device
115/60/1*	48	60	60
208/60/1	37	40	40
240/60/1	40	45	45
208/60/3	20	25	25
240/60/3	22	25	25
480/60/3	9	15	15
575/60/3	7	15	15

*3kW wash tank heat

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

Plumbing Note: Because of the variation in house-supplied water and steam pressure, pressure regulating valves (PRV's) for incoming water and steam supply are needed. The PRV's can be purchased from Champion or obtained locally.

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

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