

MDHHD

High Temperature
Hood-Type Dishwashing Machine



STANDARD FEATURES

- **Factory Authorized Startup**
- **HMI – Operator Touch Screen Interface**
- **On-Board Service Diagnostics**
- **Field Convertible – Single to three, or three to single phase**
- **Sleep Mode – All internal heaters shut off after 4 hours idle**
- Built-in booster configured to ensure 180° rinse
- Field convertible from straight to corner operation
- Dual NSF listed as both a dishwasher and potwasher
- Rinse Sentry – ensures 180°F final rinse
- Auto start – starts unit when hood is closed
- Single or dual point electrical connection
- High efficiency 2 HP pump
- Self draining pump
- Automatic tank fill
- Automatic drain valve – drains wash tank when power is off
- PRV (Mounted Pressure Reducing Valve)
- 4 selectable cycles
- Vent fan control
- 27" [686mm] extended clearance



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

SPECIFIER STATEMENT

Specified unit will be Moyer Diebel model MDHHD high temperature, high-hood type dishwashing machine.

Features, electronic controls, Rinse Sentry, Auto start, interchangeable stainless steel wash and rinse arms, up to 60 racks/hr, 0.73 US gals [2.76 liters, 0.61 imp. gals]/rack. 1 year parts and labor warranty.

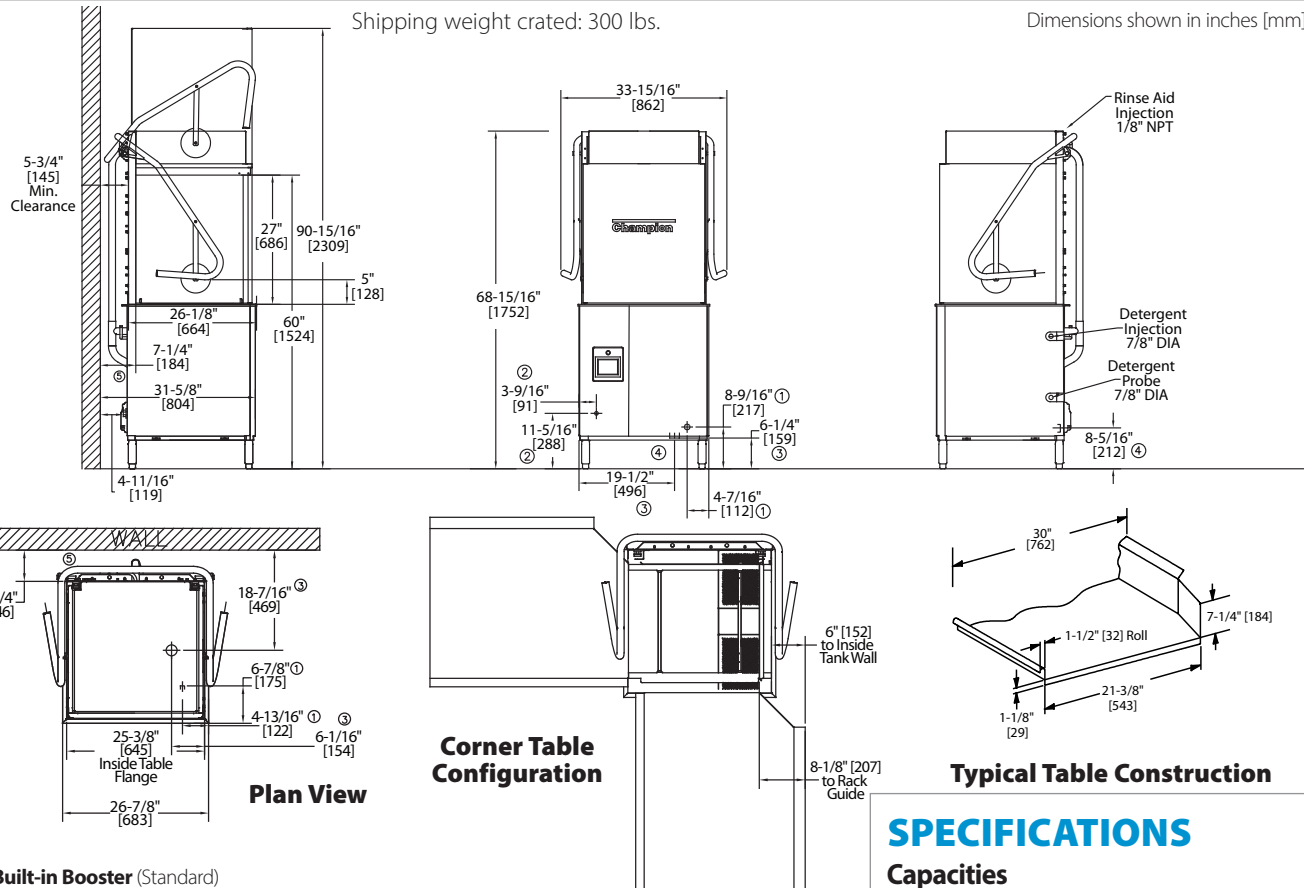


OPTIONS & ACCESSORIES

- ☐ Built-in detergent and rinse aid pumps
- ☐ Drain Water Tempering Kit (unmounted)
- ☐ Door interlock – locks door closed during the vent fan cycle
- ☐ Single phase option
- ☐ Racks (Peg, Flat, Sheet Pan)
- ☐ Drain Water Tempering Kit (unmounted)
- ☐ Corner operation splash baffle
- ☐ ION scale prevention system (unmounted)

Shipping weight crated: 300 lbs.

Dimensions shown in inches [mm]

**Machine & Built-in Booster (Standard)**

Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device
208-240/60/1	77-68	100	100
208-240/60/3	46-41	60	60
480/60/3	20	30	30

Machine Only

(two point electrical connection or no built-in booster)

Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device
208-240/60/1	38-34	50	50
208-240/60/3	25-23	30	30
480/60/3	11	15	15

Booster Only (two point electrical connection)

Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device
208-240/60/1	39-34	50	50
208-240/60/3	21-18	25	25
480/60/3	9	15	15

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Utilities

- Electrical Connection**
Machine and booster (See electrical chart)
- Hot Water Connection**
3/4" NPT Hot Water 110° - 140°F
20-22 PSI Flow Pressure
- Drain Connection**
1.5" OD Connection; 15 GPM Max Flow (Drain water tempering height 5")
- Drain Water Tempering**
1/2" Cold water line with customer supplied cut-off valve (optional)
- Integrated Detergent System**
Detergent bottle supply connections (optional)

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

Note: 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).

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

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

SPECIFICATIONS**Capacities**

Racks per hr. (NSF rated)	60
Wash tank (gal.)	10

Motor horsepower

2 HP

Water consumption

Gal. per hr. (max. use) 39

Gal. per rack 0.73

Temperature °F/°C

Wash 150

Rinse 180

	Dish-washer Mode	Pot & Pan Mode		
Selectable cycle times in minutes	1	2	4	6
Time cycles in seconds				
Wash	36	94	214	334
Rinse	8	10	10	10
Sanitary Dwell	16	16	16	16
Total	60	120	240	360

PRVs can either be purchased from Champion or obtained locally.

Champion does not endorse using on-demand (tankless) water heating systems, as well as PEX and other plumbing materials that may limit water flow, as these could impair machine performance. For

optimal results, we recommend using appropriately sized conventional hot water tanks and standard copper water supply lines that adhere to our specifications. Not following these recommendations may void the manufacturer's warranty.

Water hardness of 3 grains/US Gal (0.83 Imp Gal) - 5.3 Mg/L or less