

TempStar® VER

Ventless High Temperature Sanitizing Door-type Dishwasher with Energy Recovery

Standard Features

- Ventless: does not require a hood
- Unique, two-pass Energy Recovery System
- Cold water connection only
- Door interlock keeps door locked during cycle
- Built-in 70 °F (38.9 °C) rise booster heater with Sani-Sure™ final rinse system ensures proper rinse water temperature
- Automatic tank fill
- Door-actuated start
- Four (4) selectable timed cycles
- Delime/manual wash mode
- 17 1/4" (438 mm) vertical chamber clearance
- Specially designed stainless steel nozzles provide superior cleaning action
- Interchangeable upper and lower wash/rinse arms
- Door switch
- 1 HP self-draining stainless steel wash pump motor
- Large scrap basket
- Pressure regulator is provided for installation by others
- Single point connections for all utilities
- Field convertible from straight through to corner and vice versa (kit required)
- Field convertible from 3-phase to single phase and vice versa (kit required)
- Low watt density electric wash tank heater
- Hi-limit thermostat and low water protection
- Detergent/rinse additive signal connection fuse box
- Stainless steel front dress panel
- Uses standard 20" X 20" (508 mm X 508 mm) racks
- Adjustable bullet feet
- Durable stainless steel construction
- Requires some assembly



Specification Statement

Specified unit will be a Jackson TempStar VER ventless high temperature sanitizing door-type dishwasher with two-pass energy recovery system, rated by ETL Sanitation to NSF/ANSI Standard 3. Unit will be ENERGY STAR® certified. Unit to be rated for 41 racks per hour, 0.89 gallons per rack, and will include a built-in 70 °F rise booster heater with Sani-Sure™ final rinse system, four (4) selectable timed cycles, and solid-state controls. Other features include automatic tank fill, door-actuated start, interchangeable upper and lower wash/rinse arms, manual/delime wash mode, vent fan control, and 1 HP stainless steel wash pump motor. Constructed of durable stainless steel with adjustable bullet feet.

1-year parts and labor warranty.

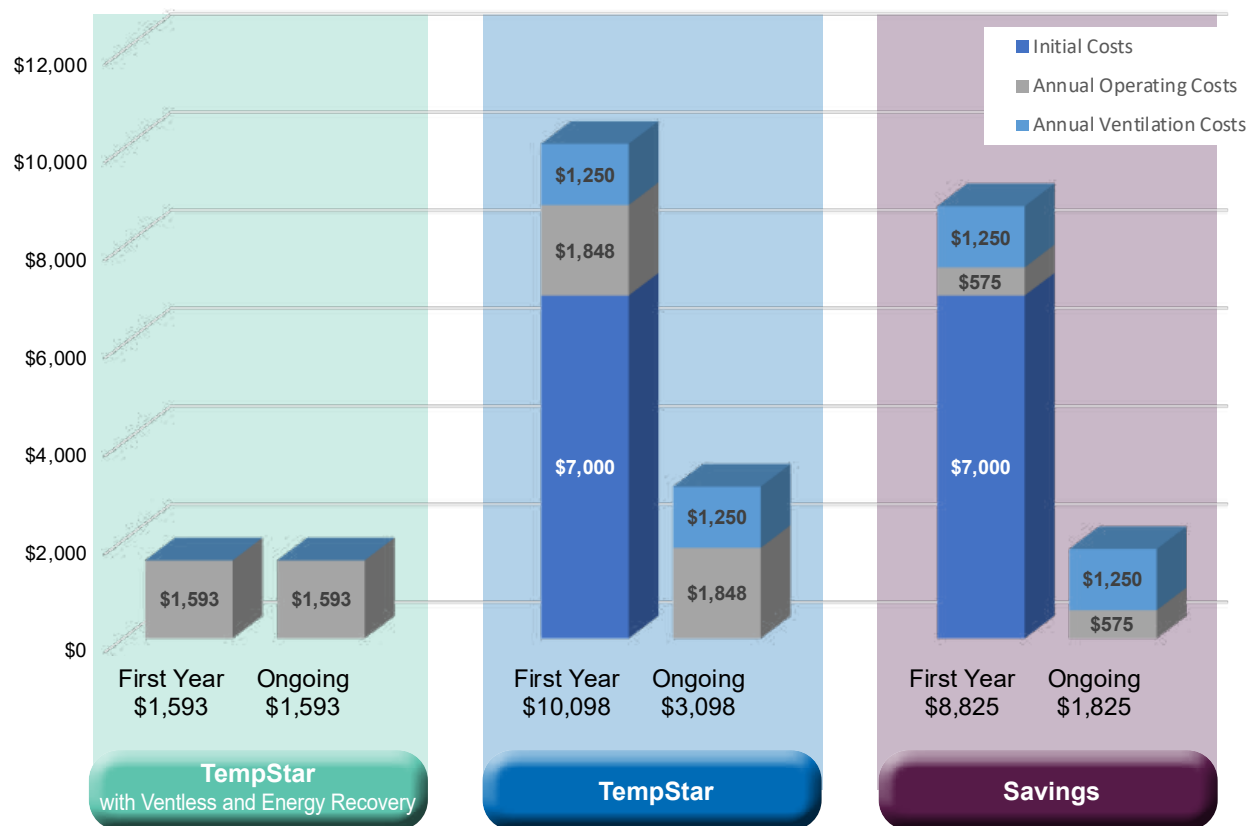
Options & Accessories

- | | |
|--|--|
| ➤ 460V Electrical | ➤ Replacement Cartridge for Scaltrol |
| ➤ Single Phase | ➤ 36-Compartment Rack 4-1/8" tall (105 mm) |
| ➤ Drain Water Tempering Kit | ➤ 5-5/8" tall (143 mm) |
| ➤ Water Hammer Arrestor | ➤ 7" tall (178 mm) |
| ➤ False Panel (for corner installations) | ➤ Combination Rack |
| ➤ Flanged Feet | ➤ Peg Rack |
| ➤ Security Package | |
| ➤ Scaltrol | |

JACKSON VENTLESS TECHNOLOGY SAVINGS

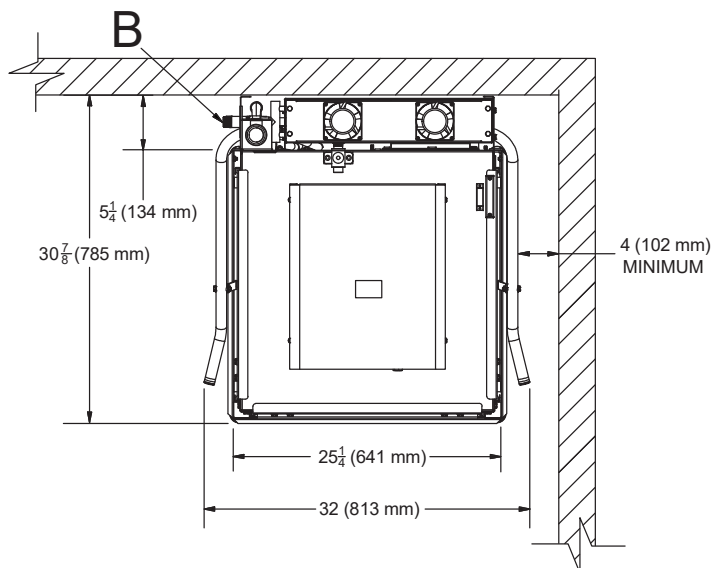
Purchase and Installation of Vent Hood	\$7,000
HVAC Used to Evacuate Steam	\$1,250
Energy Recovery	\$575

TOTAL SAVINGS \$8,825 the first year
 \$1,825 every year after



The following standards were used to calculate the above:

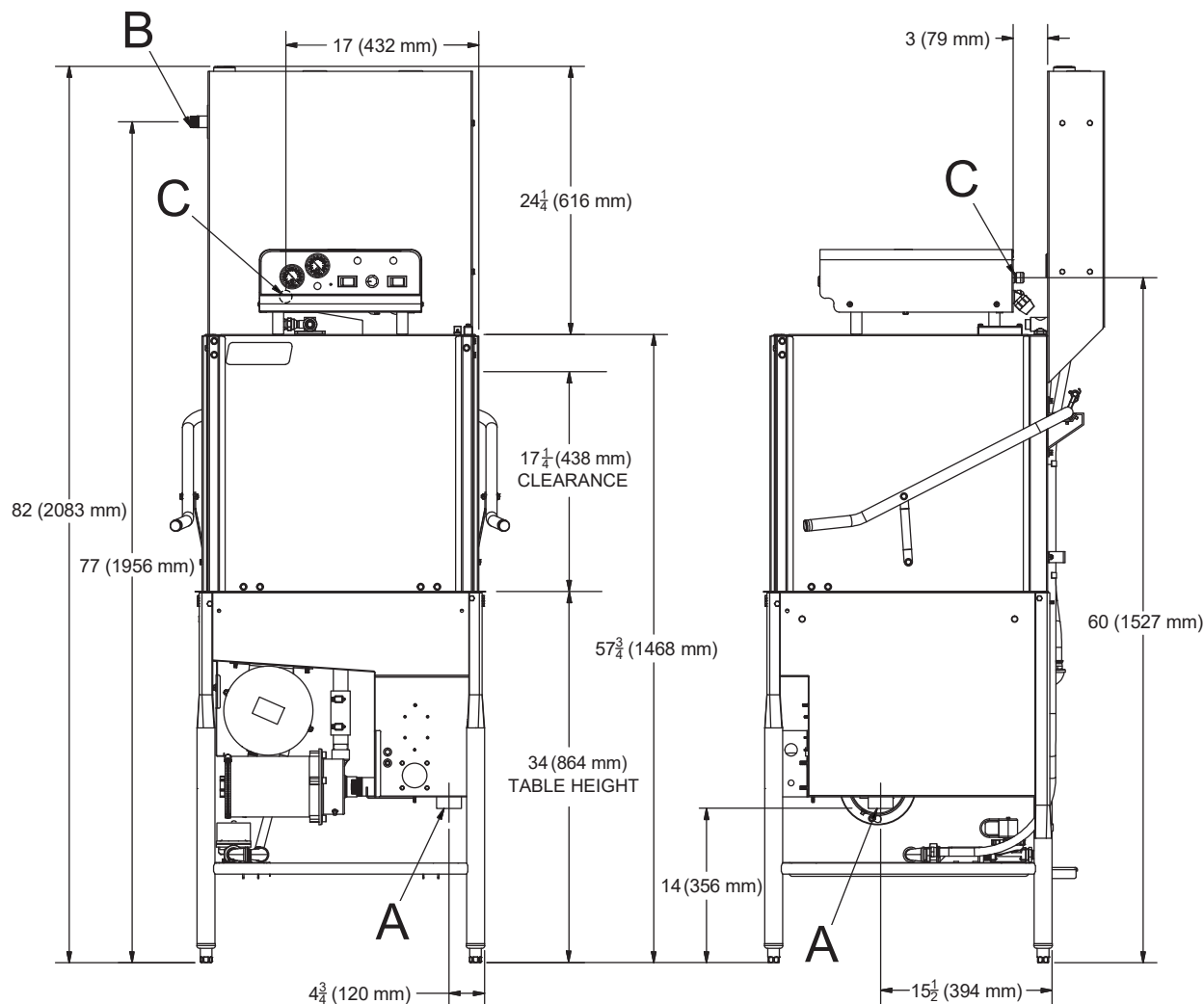
Days per week	7	Cycles per day	200	Ground water temp	65	Gas cost per therm	\$0.8600
Hours per day	12	Water cost per gallon	\$0.00698	Electric cost per kW	\$0.0962	Hood	450 CFM



LEGEND

- A - Drain (1 1/2" NPT)
- B - Water Inlet (3/4" NPT)
- C - Electrical Connection

All dimensions from floor can be increased 1 1/8" using the machine's adjustable feet.





Warewashing Systems

TempStar® VER

Ventless High Temperature Sanitizing Door-type
Dishwasher with Energy Recovery

Operating Capacity (Normal Cycle)

Racks per Hour	41 (39)*
Dishes per Hour	1,025
Glasses per Hour	1,476

Operating Temperature

Wash Temperature (minimum)	150 °F (66 °C)
Rinse Temperature (minimum)	180 °F (82 °C)

Operating Cycle (seconds)

	Wash	Rinse	Dwell	Vent	Total Cycle
Normal	40	10	07	30	87
Medium	100	10	07	30	147
Heavy	160	10	07	30	207
Extra Heavy	280	10	07	30	327

Water Consumption

Gallons per Rack	0.89 (3.4 L)
Gallons per Hour	36.49 (138.1 L)
Gallons per Hour**	34.71 (131.4 L)
Wash Tank Capacity (gallons)	8.00 (30.3 L)
Booster Tank Capacity (gallons)	2.00 (7.6 L)

Water Requirements

Incoming Water Temperature	40-90 °F (5-33 °C)
Flow Pressure (PSI)	10
Incoming Water Connection (NPT)	3/4"
Drain Connection (NPT)	1 1/2"

Electrical Specifications

Wash Pump Motor (HP)	
208V/230V	1
460V	3/4
Wash Tank Heater (kW)	
208V	4.1
230V/460V	5.0
Rinse Tank Heater (kW)	
208V	10.5
230V/460V	12.9

Power Supply	Total Load	Minimum Circuit Ampacity	Maximum Overcurrent Protection
208/60/3	45.6 A	46.8 A	50.0 A
230/60/3	49.8 A	51.1 A	60.0 A
460/60/3	23.6 A	23.9 A	30.0 A
208/60/1	75.2 A	76.5 A	80.0 A
230/60/1	82.7 A	83.9 A	90.0 A

Heat Output (BTU/HR)

Latent Heat	2100
Sensible Heat	4685

Dimensions

Width	32" (813 mm)
Depth	30 7/8" (785 mm)
Height	82" (2083 mm)
Clearance Above	
Heat Exchanger (minimum)	6" (152 mm)
Inside Clearance Height	17 1/4" (438 mm)
Wall Clearance (minimum)	
Rear	0" (0 mm)
Side (corner installation)	4" (102 mm)
Drain Height	14" (356 mm)
Weight	345 lbs (156 kg)

Shipping Details

Shipping Weight	385 lbs (175 kg)
Shipping Width	42" (1067 mm)
Shipping Depth	42" (1067 mm)
Shipping Height	70" (1778 mm)
Shipping Cube	71.46 cu ft
Shipping Class	200

Advisory: Jackson WWS, Inc. DOES NOT endorse "Tankless On-Demand" water heaters for use with our dishmachines. Jackson WWS, Inc. DOES endorse, and highly recommends, standard "tank" style water heaters, sized to properly handle the water heating requirements of the facility.

*Racks per hour calculated with NSF suggested load time of :05 for door-type (straight thru) dishmachines.

**Gallons per hour calculated with NSF suggested load time of :05 for door-type (straight thru) dishmachines.

Contact Jackson

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JACKSON WAREWASHING SYSTEMS



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