Commercial Kitchen Equipment Parts

HOBART CL54-DWR

Hobart CL54-DWR document

Provided by PartHubz

parthubz.com

833-700-8006 | support@parthubz.com

HOBART

Project _____

AIA #_____ SIS #_____

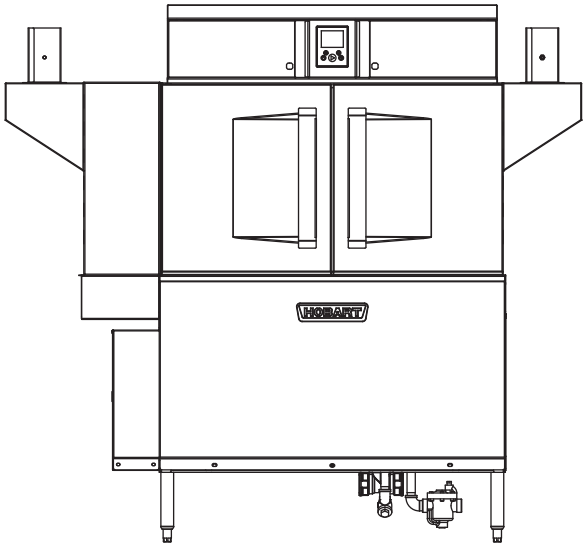
Item #_____ Quantity _____ C.S.I. Section 114000

COMMERCIAL DISHWASHERS

CL SERIES – CL54-DWR STEAM

CL54-DWR STEAM

High Temperature Rack Conveyor Dishwashing Machine



STANDARD FEATURES

+ 114 gallons per hour pumped final rinse
+ 245 racks per hour
+ Drain Water Energy Recovery (DWER)
+ Drain water tempering kit (factory installed)
+ Complete Delime™ with Delime Notification, Auto Dispensing and Booster Guard™
+ Internal stainless steel pressure-less 24 kW booster heater (70°F rise)
  — Single point electrical connection standard
+ Capless, anti-clogging wash arms
+ Self-aligning wash manifolds
+ Large double door opening for ease of cleaning
+ 19.5" chamber height opening (accepts sheet pans)
+ Doors are insulated & hinged with door interlock switches
+ User-friendly smart touchscreen controls with diagnostics & troubleshooting
+ WiFi connectivity
+ SmartConnect app and cloud with machine status, temperature logs, error code reporting, and cost, consumption and usage analysis
+ Energy saver mode (programmable auto-shut down)
+ NSF rated configurable pot and pan cycle
+ Stainless steel self-draining pump and impeller
+ Sloping scrap screens and deep scrap baskets
+ Rapid return conveyor drive mechanism
+ Service diagnostics
+ Door actuated drain closure
+ Vent fan control

SPECIFIER STATEMENT

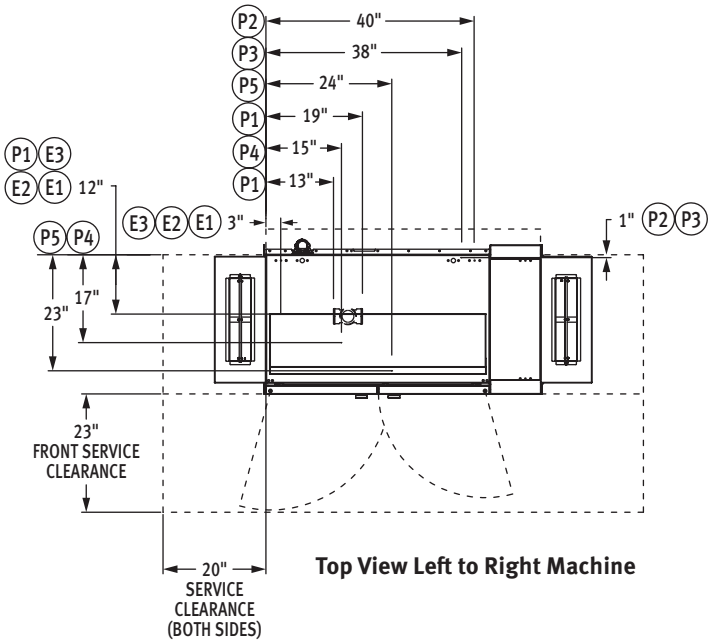
Specified dishwasher will be Hobart CL54 Drain Water Energy Recovery steam tank heat model. Features include Drain Water Energy Recovery (DWER), Complete Delime™ with Delime Notification, Auto Dispensing and Booster Guard™, capless anti-clogging wash arms, 245 racks per hour, 114 gallons per hour pumped final rinse, insulated ergonomic cabinet style doors, touchscreen controls with WiFi connectivity, and NSF approved pot and pan cycle mode. The wash tank utilizes durable precision pressure sensor monitors in lieu of conventional mechanical floats. The 19.5" standard chamber height will accommodate up to (6) standard sheet pans at a time on an open-end sheet pan rack.

OPTIONS & ACCESSORIES (Available at extra cost)

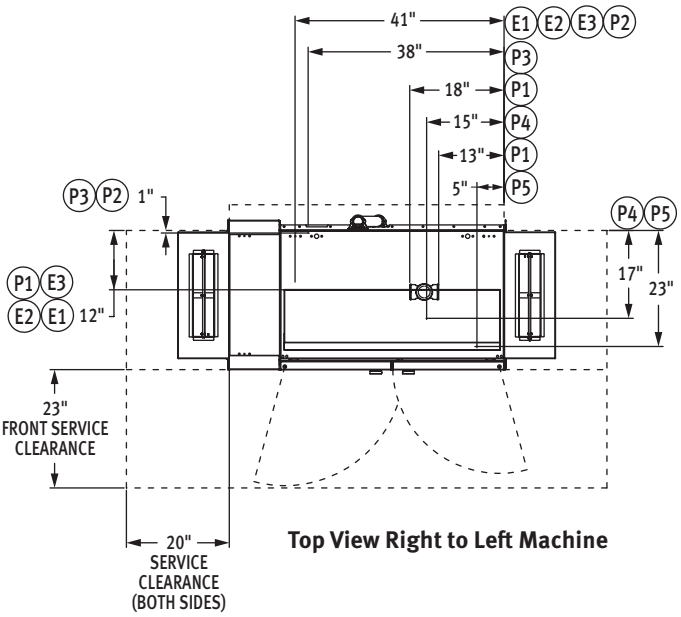
❑ Standard, short, and extended stainless steel vent hoods
❑ Direct drive unloader – adds 38" length; Reference spec F48944 for more details
❑ Side loader – SL23 adds 23" length, SL30 adds 30" length; Reference specs F40926 and F40927 for more details
❑ Blower-dryer – adds 33¼" to length; Reference spec F48945 (electric blower-dryer) and F48950 (steam blower-dryer) for more details (ships separate from dishmachine, contact Hobart Service for installation
❑ Flanged feet kit (requires two kits)
❑ Higher than standard chamber (24" opening)
❑ External #150 steam booster heater
❑ Table limit switch with 20' cable
❑ Correctional package (factory installed, contact Hobart for details)
❑ Water hammer arrester
❑ Factory-mounted circuit breakers (contact Hobart for details)

Approved by_____ Date_____ Approved by_____ Date_____

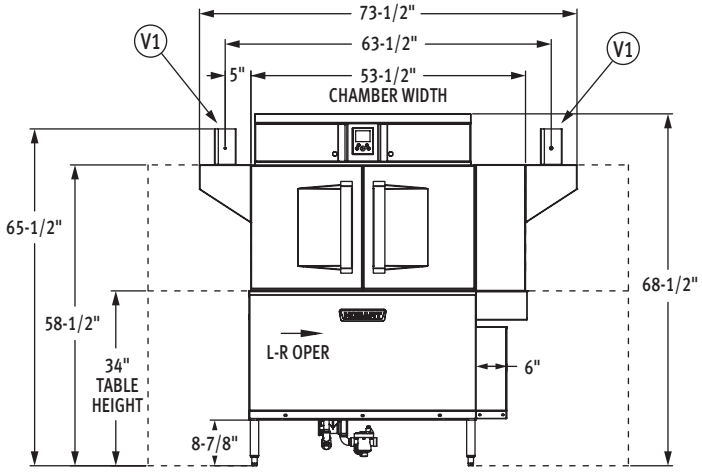
CL54-DWR STEAM
High Temperature Rack Conveyor Dishwashing Machine



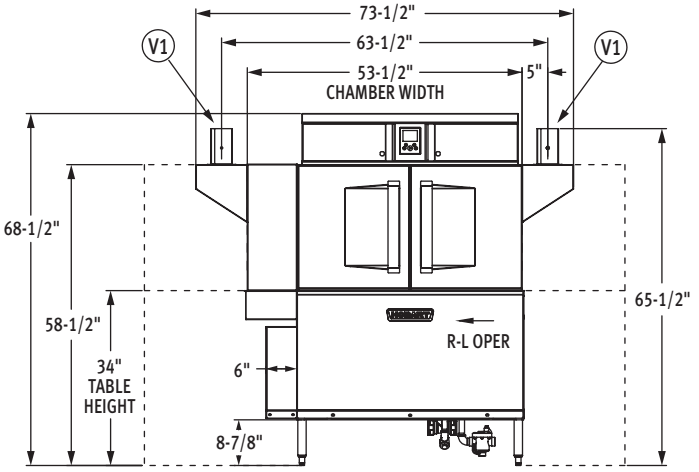
Top View Left to Right Machine



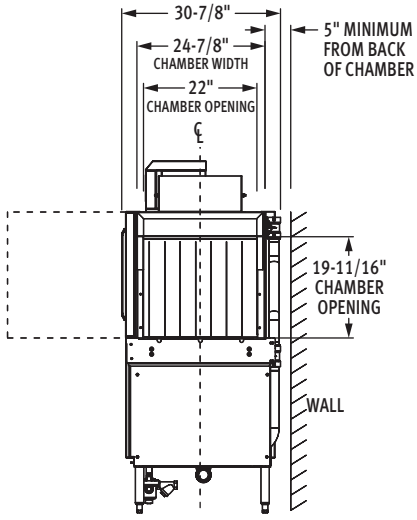
Top View Right to Left Machine



Front View Left to Right Machine



Front View Right to Left Machine



Side View

MODEL:
CL54-DWR STEAM
L-R OPERATION
00-563921
REV A

MODEL:
CL54-DWR STEAM
R-L OPERATION
00-563931
REV A

CAD and/or Revit Files Available

HOBART

CL54-DWR STEAM
High Temperature Rack Conveyor Dishwashing Machine

LEGEND

Electrical Connections	
SINGLE POINT CONNECTION	
E1	Electric connection, single point: motors, controls, with 24kW electric booster heater, 65" AFF.
DUAL POINT CONNECTION WITH BOOSTER	
E2	Electric connection: motors, 62" AFF.
E3	Electric connection: controls, 24kW booster heater, 65" AFF.
Plumbing Connections	
P1	Drain: 2" FPT, 7-3/8" AFF, two possible connections; may be drained to either side of drain housing, plug opposite side.
P2	Hot water connection: 1/2" FPT, 12" AFF. 24kW booster, 110°F minimum.
P3	Cold water connection: 1/2" FPT, 12" AFF, 55°F minimum.
P4	Steam coils: 10 to 50 PSI flowing, 3/4" FPT, 6" AFF.
P5	Condensate return: a 10 PSI minimum differential pressure across the steam trap must be maintained. 3/4" FPT, 5" AFF, one connection (one bucket type trap furnished).
Vent Connections	
V1	Optional vent hoods: 4" x 16" vent stack with damper. Load end 200 CFM, unload end 400 CFM.

SPECIFICATIONS

Capacities
- Racks per Hour (NSF rated) 245
- Wash Tank (U.S. gallons) 23
- Conveyor Speed (feet per minute) 6.8

Motor Horsepower
- Drive 1/6
- Wash 2
- Final Rinse 2/3
- Drain Water Energy Recovery 1/5

Water Consumption
- U.S. Gallons per Hour 114
- U.S. Gallons per Rack 0.47
- Peak Drain Flow (U.S. gallons per minute) 38

Heating
- Tank Heat, Steam Coils (pounds per hour) 65
- Electric Booster (built-in) (kW for 70°F rise) 24

Venting
- Load End (minimum CFM) 200
- Unload End (minimum CFM) 400

Shipping Weight (approximate) . . . . . 655 lbs.

Crated Dimensions . . . . . 69"L x 38"W x 79"H

E1	Single Point Electrical Connection with Internal Booster	
Voltage	(E1) Motors, Controls, 24kW Booster Heater	
	Rated Amps	Minimum Supply Circuit Ampacity/ Maximum Protective Device
208/60/3	81.2	100
240/60/3	71.4	90
480/60/3	37.5	45

E2 E3	Dual Point Electrical Connection with Internal Booster (Field Conversion Only)			
Voltage	(E2) Motors		(E3) Controls, 24kW Booster Heater	
	Rated Amps	Minimum Supply Circuit Ampacity/ Maximum Protective Device	Rated Amps	Minimum Supply Circuit Ampacity/ Maximum Protective Device
208/60/3	6.1	15	75.1	90
240/60/3	5.2	15	66.2	80
480/60/3	3.0	15	34.5	40

WARNING: Electrical and grounding connections must comply with the applicable portions of the National Electrical Code and/or other local electrical codes.

CAUTION: Certain materials including silver, aluminum, and pewter are attacked by sodium hypochlorite (liquid bleach).

ATTN: Plumbing connections must comply with applicable sanitary, safety and plumbing codes.

CL54-DWR STEAM
High Temperature Rack Conveyor Dishwashing Machine

Plumbing Notes: Water hammer arrestor (meeting ASSE-1010 standard or equivalent) to be supplied (by others) in common water supply line at service connection.

Recommended water hardness to be 3 grains or less for best results.

110°F minimum incoming hot water temperature.

Building flowing water pressure to dish machine is 20 to 65 PSI at the machine.

For convenience when cleaning, water tap should be installed near machine with heavy duty hose and squeeze valve.

Flowing steam pressures above 50 PSI must have a pressure regulator (by others) installed in the steam line.

Shut off valve must be supplied (by others) in the steam line to the dishwasher.

Tank heat, steam coils (pounds per hour) – 65.

Miscellaneous Notes: All dimensions taken from floor line may be increased approximately 3/4" or decreased 1/2".

For HTS, add 4-5/16" to all dimensions above table line.

For HTS, add 15 lbs. to the domestic shipping weight of each model.

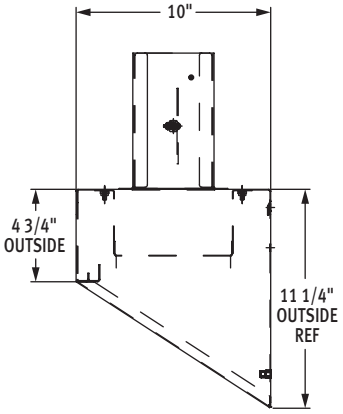
Electrical Note: Dishmachine not provided with internal GFCI protection.

CL54-DWR Steam Heat Dissipation		
Booster	BTU/HR.	
	Latent	Sensible
24kW Booster	39,500	16,900

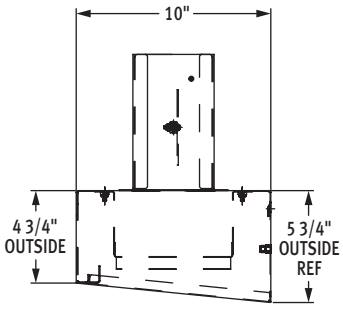
NOTE: Additional Voltages and Amperages are available, see document F48913.

VENT HOOD OPTIONS (Adjustable, vent stack can be adjusted 1" to either side)

Standard



Short



Extended

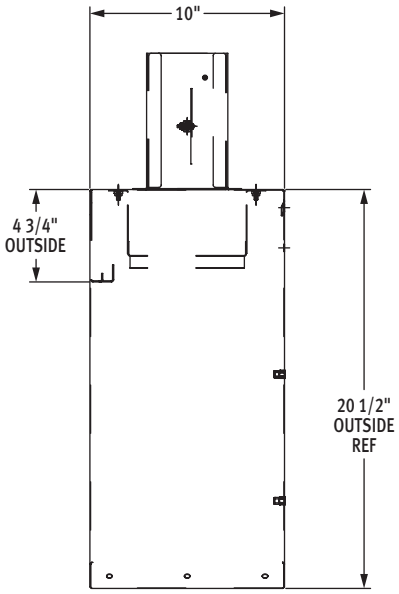
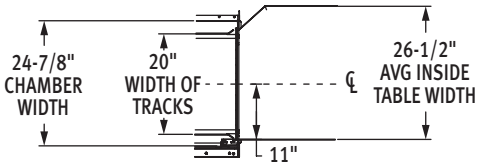
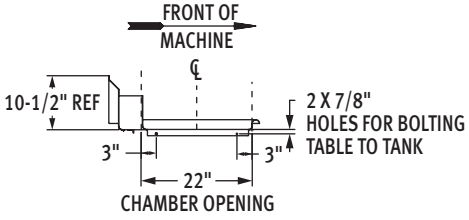


TABLE CONNECTION DETAILS

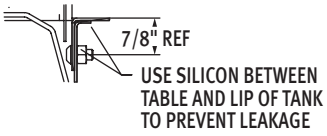
Tabling Connection: 44" inside tank (at table connection)



Suggested Track and Table Layout



View Showing Hole Locations in Turned Down Portion of Table



Sectional View Showing Table Connections

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

Commercial Kitchen Equipment Parts

Find more Hobart equipment resources at

parthubz.com/equipment/hobart

Need parts or service?

Call 833-700-8006

support@parthubz.com

parthubz.com