Commercial Kitchen Equipment Parts

HOBART CL44-BAS

Hobart CL44-BAS Specification Sheet

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HOBART

Project _____

AIA #_____ SIS #_____

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

COMMERCIAL DISHWASHERS

CL SERIES – CL44-BAS GAS

CL44-BAS GAS

High Temperature Rack Conveyor Dishwashing Machine



c UL us NSF

SPECIFIER STATEMENT

Specified dishwasher will be Hobart CL44 Base gas tank heat model. Features include Complete Delime™ with Delime Notification, Auto Dispensing and Booster Guard™, capless anti-clogging wash arms, 202 racks per hour, 90 gallons per hour pumped final rinse, insulated ergonomic cabinet style doors, touch-screen controls with WiFi connectivity, and NSF approved (pending) pot and pan cycle mode. The 19.5" standard chamber height will accommodate up to (6) standard sheet pans at a time on an open-end sheet pan rack.

STANDARD FEATURES

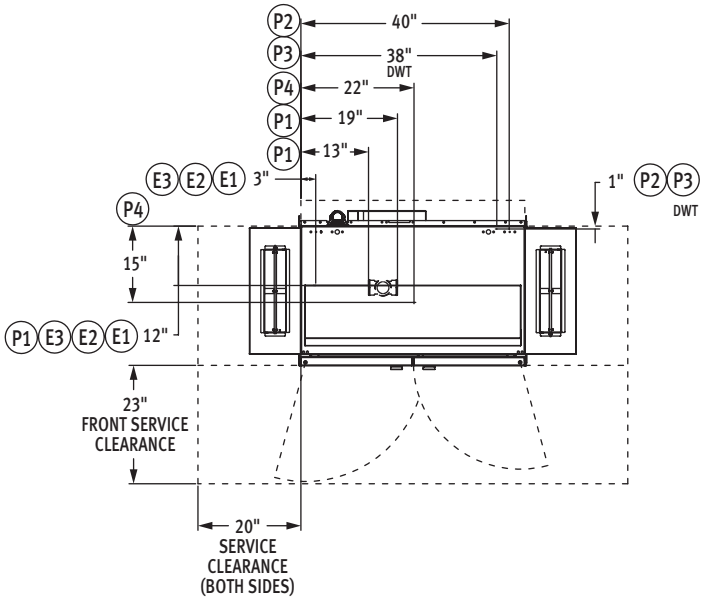
+ 90 gallons per hour pumped final rinse
+ 202 racks per hour– hot water sanitizing
+ Complete Delime™ with Delime Notification, Auto Dispensing and Booster Guard™
+ Internal stainless steel pressure-less 18 kW booster heater (70°F rise)
  — Single point electrical connection standard
+ Capless, anti-clogging 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 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
+ Single, sloping scrap screen and deep scrap basket
+ Rapid return conveyor drive mechanism
+ Service diagnostics
+ Door actuated drain closure
+ Vent fan control
+ Convertible hot water or low temperature final rinse
+ Booster heater control

OPTIONS & ACCESSORIES (Available at extra cost)

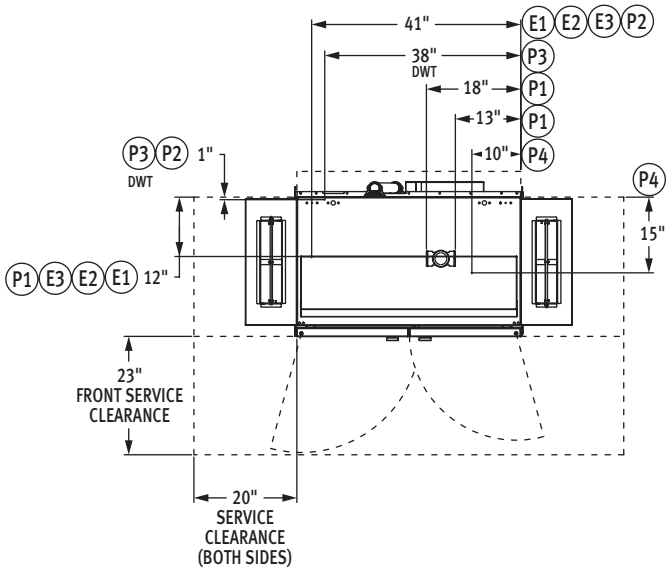
❑ Standard, short and extended stainless steel vent hoods
❑ Non-booster
❑ Direct drive unloader – adds 38" length; Reference spec F48944 for more details
❑ Side loader – SL23 adds 23" length, SL30 adds 30" length; Reference specs F40926 and F40927 for more details
❑ Blower-dryer – adds 33¼" to length;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

Approved by_____ Date_____ Approved by_____ Date_____

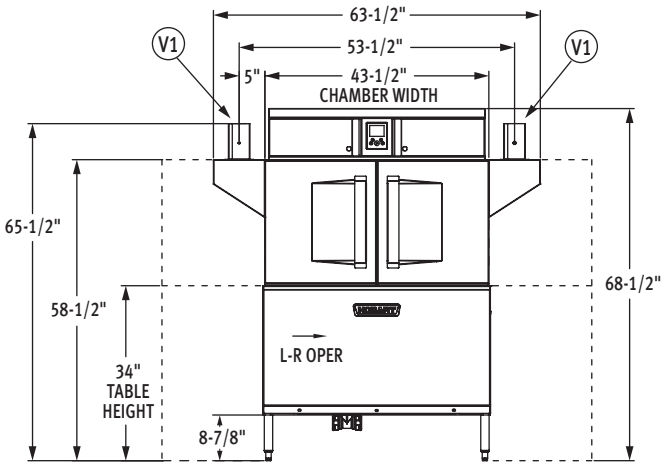
CL44-BAS GAS
High Temperature Rack Conveyor Dishwashing Machine



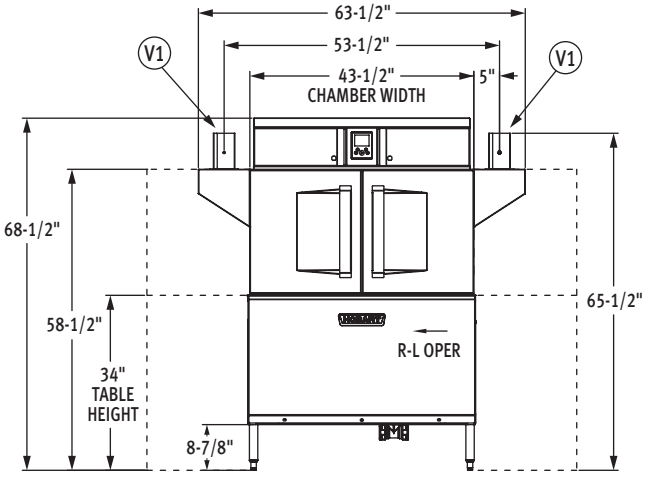
Top View Left to Right Machine



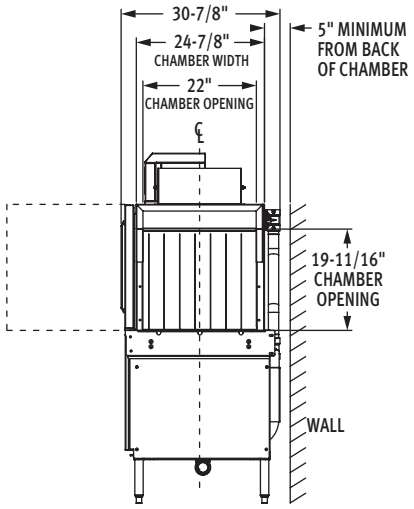
Top View Right to Left Machine



Front View Left to Right Machine



Front View Right to Left Machine



Side View

MODEL:
CL44-BAS GAS
L-R OPERATION
00-563920
REV A

MODEL:
CL44-BAS GAS
R-L OPERATION
00-563930
REV A

CAD and/or Revit Files Available

HOBART

CL44-BAS GAS
High Temperature Rack Conveyor Dishwashing Machine

LEGEND

Electrical Connections	
SINGLE POINT CONNECTION	
E1	Electric connection, single point: motors, controls, with/without 18 kW electric booster heater, 65" AFF.
DUAL POINT CONNECTION WITH BOOSTER	
E2	Electric connection: motors, 62" AFF.
E3	Electric connection: controls, 18kW 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	Common hot water connection: 1/2" FPT, 12" AFF. See plumbing notes for required temperatures.
P3	Optional drain water tempering. Cold water connection: 1/2" FPT, 12" AFF, cold temperature 80°F maximum.
P4	Gas connection – Natural, 1/2" FPT, 11" AFF; 3.5" minimum, 7" maximum W.C. incoming.
P4	Gas connection – L.P., 1/2" FPT, 11" AFF; 8" minimum, 11" maximum W.C. incoming.
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) 202
- Wash Tank (U.S. gallons) 23
- Conveyor Speed (feet per minute) 5.6

Motor Horsepower
- Drive 1/6
- Wash 2
- Final Rinse 2/3

Water Consumption
- U.S. Gallons per Hour (maximum use at 20 PSI) 90
- U.S. Gallons per Rack 0.45
- Peak Drain Flow (U.S. gallons per minute) 38

Heating
- Tank Heat, LP or Natural Gas (BTU per hour) 78,000
- Optional Electric Booster (built-in) (kW for 40°F rise) 12
- Optional Electric Booster (built-in) (kW for 70°F rise) 18

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

Shipping Weight (approximate) . . . . . 595 lbs.

Crated Dimensions . . . . . 53"L x 38"W x 79"H

E1	Single Point Electrical Connection with Internal Booster	
Voltage	(E1) Motors, Controls, 18 kW Booster Heater	
	Rated Amps	Minimum Supply Circuit Ampacity/ Maximum Protective Device
208/60/3	65.5	80
240/60/3	57.6	70

E2 / E3	Dual Point Electrical Connection with Internal Booster			
Voltage	(E2) Motors		(E3) Controls, 18 kW Booster Heater	
	Rated Amps	Minimum Supply Circuit Ampacity/ Maximum Protective Device	Rated Amps	Minimum Supply Circuit Ampacity/ Maximum Protective Device
208/60/3	8.5	15	57.0	70
240/60/3	7.3	15	50.3	60

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.

CL44-BAS Gas Heat Dissipation		
Booster	BTU/HR.	
	Latent	Sensible
Without Booster	24,500	10,500
12kW Booster	32,600	14,000
18kW Booster	38,100	16,300

NOTE: 18kW Booster Heater field convertible to 12kW when 140°F incoming water provided. (Conversion instructions located in machine control box. Contact factory for 12kW booster amperage ratings.)

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

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.

Minimum incoming hot water temperatures:
110°F for 18kW internal booster
140°F for 12kW field converted internal booster
180°F without internal booster for high temperature sanitizing, 130°F for chemical sanitizing.

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.

For chemical sanitizing applications, feeder must be certified to NSF Standard 29.

For natural gas, pressure to the burner (customer connection) should be 3.5" minimum, 7" maximum W.C.

For LP gas, pressure to the burner (customer connection) should be 8" minimum, 11" maximum W.C.

If gas pressure is higher than 7" (natural) or 11" (LP) W.C., a pressure regulating valve must be installed (by others) in the gas line to the dishwasher.

Gas heat (natural or LP) BTU/Hr. input – 78,000.

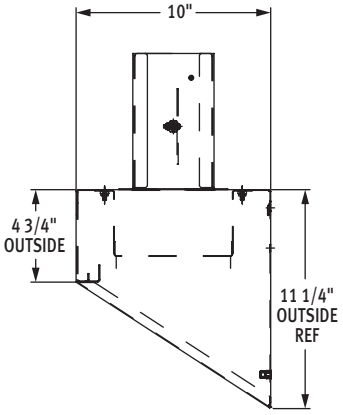
Gas exhaust venting must be installed according to local code. Electrical interlock connection provided for customers airflow switch to prevent heat being applied if the exhaust fans are not operating. Do not connect flue to power vent. See installation manual for gas venting.

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

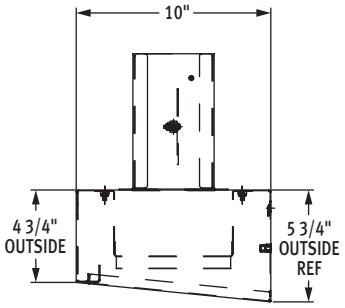
Electrical Note: Dishmachine not provided with internal GFCI protection.

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

Standard



Short



Extended

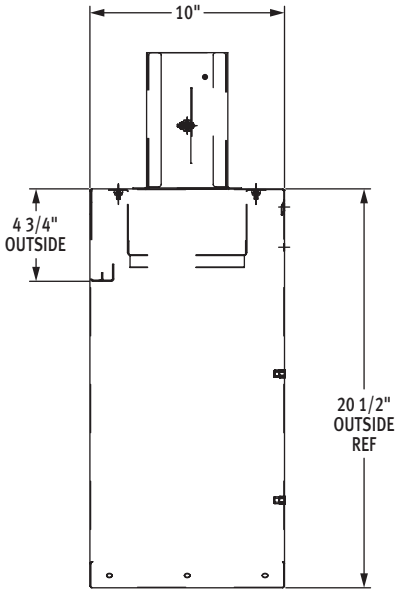
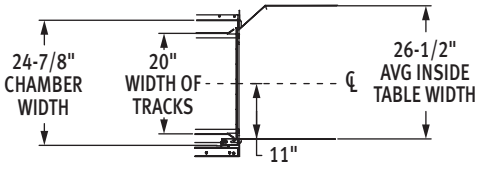
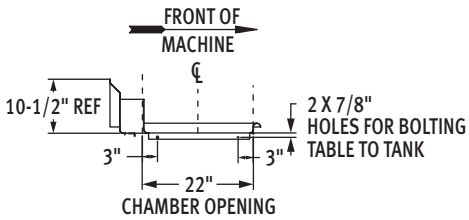


TABLE CONNECTION DETAILS

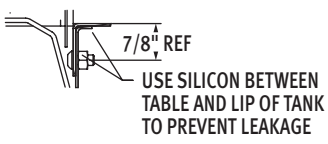
Tabling Connection: 44" inside tank (at table connection)



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

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