HOBART

Project _____

AIA # _____ SIS # _____

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

COMMERCIAL DISHWASHERS

CL44*e*N-BAS ELECTRIC

High Temperature Rack Conveyor Dishwashing Machine

SPECIFIER STATEMENT

Specified dishwasher will be Hobart CL44*e*N Base electric tank heat model with Opti-Rinse™. Includes insulated ergonomic cabinet style doors, dirty water indicator, configurable "intelligent" de-lime notification, top mounted computer controls, 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" (495 mm) standard chamber height will accommodate up to (6) standard sheet pans at a time on an open-end sheet pan rack.

STANDARD FEATURES

+ 202 racks per hour
+ Opti-Rinse™ system
+ Rapid return conveyor drive mechanism
+ Large double door opening for ease of cleaning
+ Doors are insulated & hinged with door interlock switches
+ 19.5" (495 mm) chamber height opening (accepts sheet pans)
+ Top mounted micro-processor control module
+ Energy saver mode (programmable auto-shut down)
+ Dirty water indicator
+ Manager activated low temperature alert
+ NSF rated configurable pot and pan dwell mode
+ Configurable "intelligent" delime notification
+ Service diagnostics
+ Self-aligning wash manifolds
+ Stainless steel anti-clogging wash arms
+ Removable pump intake screen
+ Stainless steel self-draining pump and impeller
+ Single, sloping scrap screen and deep scrap basket
+ Stainless panels enclose perimeter and bottom
+ Door actuated drain closure
+ Convertible hot water or low temp final rinse
+ Vent fan control
+ Booster heater control
+ ENERGY STAR® Certified

OPTIONS & ACCESSORIES (Available at extra cost)

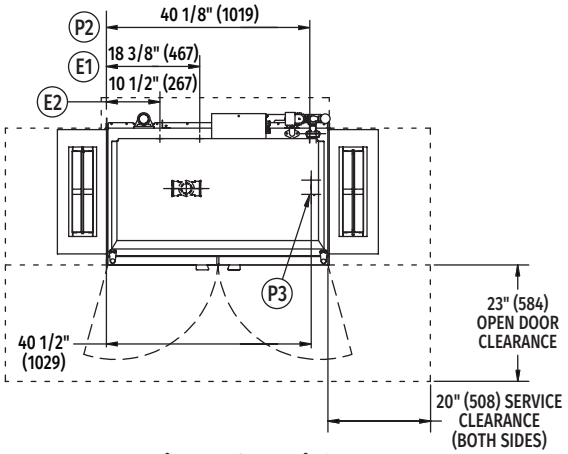
❑ Standard, short and extended stainless steel vent hoods
❑ Internal stainless steel pressure-less 30 kW booster heater field convertible to 15 kW (booster includes PRV)
❑ Direct drive unloader – adds 38" length (965 mm). Reference spec F39520 for more details
❑ Side loader – SL23 adds 23" length (584 mm), SL30 adds 30" length (762 mm). Reference specs F40926 and F40927 for more details
❑ Blower-dryer – adds 33¼" to length (845 mm). Reference spec F40252 for more details (ships separate from dishmachine, contact Hobart Service for installation)
❑ Drain water tempering kit (field installed)
❑ Flanged feet kit (requires two kits)
❑ Higher than standard chamber [24" opening (610 mm)]
❑ Table limit switch with 10' wire (2540 mm)
❑ Correctional package (contact Hobart for details)
❑ Pressure regulator valve (PRV), for use with external booster
❑ Water shock absorber kit
❑ Factory-mounted circuit breakers (contact Hobart for details)
❑ Common electrical connection (see page 4)

CLeN SERIES – CL44*e*N-BAS ELECTRIC

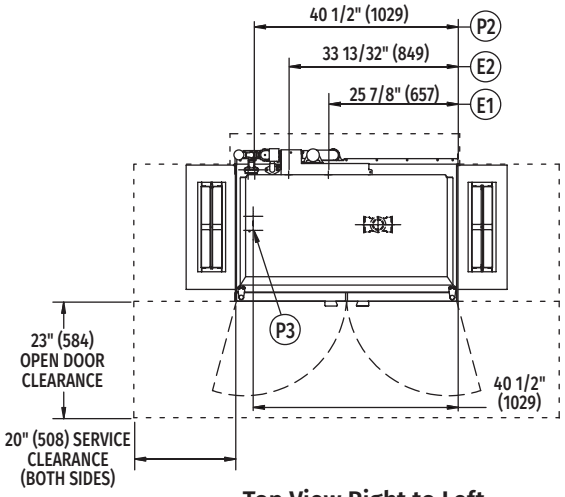
Approved by _____ Date _____ Approved by _____ Date _____

CL44eN-BAS ELECTRIC
High Temperature Rack Conveyor Dishwashing Machine

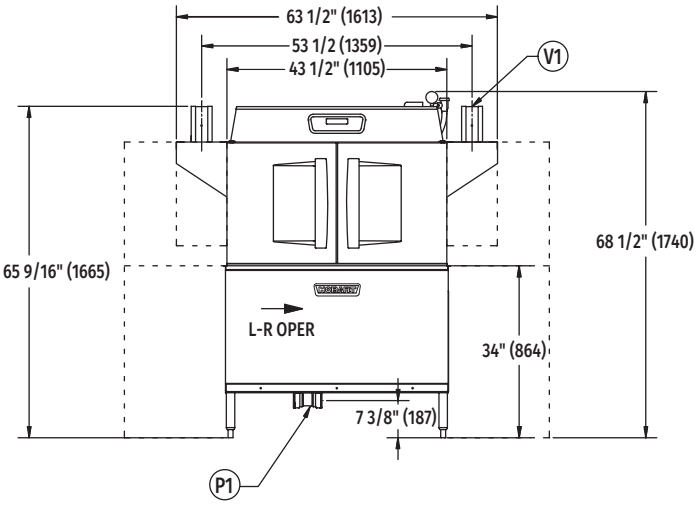
Dimensions: Primary, US inches, Secondary, Milimeters



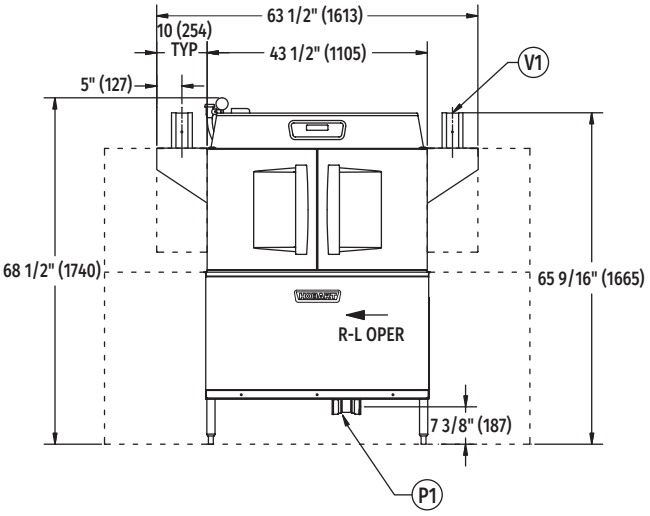
Top View Left to Right



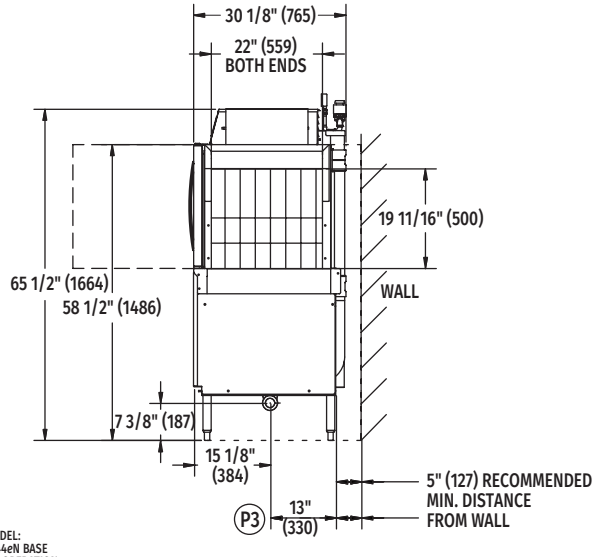
Top View Right to Left



Front View Left to Right



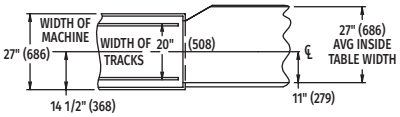
Front View Right to Left



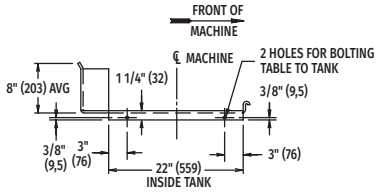
MODEL:
CL44eN BASE
L-R OPERATION
D-974801
REV B

Side View

Tabling Connection: 44" (1118) inside tank (at table connection)



Suggested Track and Table Layout



View Showing Hole Locations in Turned Down Portion of Table

MODEL:
CL44eN BASE
R-L OPERATION
D-974800
REV B

CAD and/or Revit Files Available

LEGEND

Electrical Connections	
E1	Motors, controls, and electric tank heat 1-1/4" or 2" conduit (32 or 51 mm), 63-3/4" (1619 mm) AFF.
E2	Internal electric booster 1-1/4" or 2" conduit (32 or 51 mm), 63-3/4" (1619 mm) AFF.
NOTE: Common electrical connection (single point) available, see page 4 for details.	
Plumbing Connections	
P1	Drain. May be drained to either side of valve, plug opposite side 2" (51 mm) FPT. Recommend a floor drain minimum of 12" (305 mm) from machine for access and maintenance. 7-3/8" (187 mm) AFF.
P2	Hot water. 1/2" (13 mm) FPT connection. 1/2" (13 mm), 11-3/16" (284 mm) AFF. See plumbing notes for required temperatures.
P3	Optional cold water connection for drain water tempering 1/2" (13 mm) FPT, cold water temperature 80°F (27°C), maximum 7-3/8" (187 mm) AFF.
Vent Connections	
V1	Optional vent hoods, 4" x 16" vent stack with damper (102 x 406 mm).

E1	Electrical Connection (3 PH only) Motors, Controls and Electric Tank Heat		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208/60/3	55.0	70	70
240/60/3	52.6	70	70
480/60/3	27.9	40	40
600/60/3	14.4	20	20

NOTE: Electric tank heat can be split from motors & controls, see page 4 for details.

Dishmachine not provided with internal GFCI protection.

NOTE: Additional CL*e*N Voltages and Amperages are available, see document F40972.

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

Plumbing Notes: Minimum incoming water temperatures: 110°F (43°C) for 30kW internal booster, 140°F (60°C) for 15kW field converted internal booster, 180°F (82°C) without internal booster. Building flowing water pressure to dish machine is 20 PSI/138 kPa, (+/- 5 PSI/34 kPa). For non-booster machines, a PRV with internal expansion bypass is required.

Recommended water hardness to be 3 grains (51 ppm) or less for best results.

SPECIFICATIONS

Capacities

Racks Per Hour (NSF rated) 202
Wash Tank (U.S. gallons/L) 23 (87)
Conveyor Speed (feet/M per minute) 5.6 (1.7)

Motor Horsepower (kW)

Drive 1/6 (0.13)
Wash 2 (1.5)

Water Consumption

U.S. Gallons/L per Hour (maximum use at 20 PSI/138 kPa). 126 (477)
U.S. Gallons/L per Rack 0.62 (2.3)
Peak Drain Flow (U.S.gallons/L per minute) 38 (144)

Heating

Tank Heat, Electric (kW) 15
Optional Electric Booster (built-in) (kW for 40°F (22°C) rise) 15
Optional Electric Booster (built-in) (kW for 70°F (39C) rise) 30

Venting

Load End (minimum CFM/CMM) 200 (5.7)
Unload End (minimum CFM/CMM) 400 (11)

Shipping Weight (approximate) . . . . . 594 lbs. (269 kg)

Crated Dimensions. . . . . 53"L x 38"W x 78"H (1346 x 965 x 1981 mm)

E2	Booster Heat 30 kW (Standard) Minimum 110°F (43°C) Incoming Water		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208/60/3	83.9	90	90
240/60/3	80.2	90	90
480/60/3	40.1	50	50
600/60/3	13.5	20	20

E2	Booster Heat 15 kW (Field Convertible) Minimum 140°F (60°C) Incoming Water		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208/60/3	45.0	60	60
240/60/3	40.1	50	50
480/60/3	20.0	25	25
600/60/3	33.7	40	40

CL44eN-BAS Electric Heat Dissipation		
Booster	BTU/HR.	
	Latent	Sensible
Without Booster	14,700	6,300
15kW Booster	28,300	12,100
30kW Booster	41,800	17,900

CL44eN-BAS ELECTRIC
High Temperature Rack Conveyor Dishwashing Machine

COMMON ELECTRICAL CONNECTION (SINGLE POINT) – CONTACT FACTORY FOR ADDITIONAL INFORMATION

Common Electrical Connection (Includes Motors & Controls, Electric Tank Heat, & Electric Booster Heater)						
Voltage	MACHINE AND 15kW BOOSTER			MACHINE AND 30kW BOOSTER		
	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208/60/3	100	110	110	138.9	175	175
240/60/3	92.7	110	110	132.8	150	150
480/60/3	47.9	60	60	68.0	90	90
600/60/3	27.9	40	40	48.1	60	60

OPTIONAL SPLIT SERVICE CONNECTIONS

At time of installation, service connections for motors, controls, and electric tank heat can be split as necessary for installation.

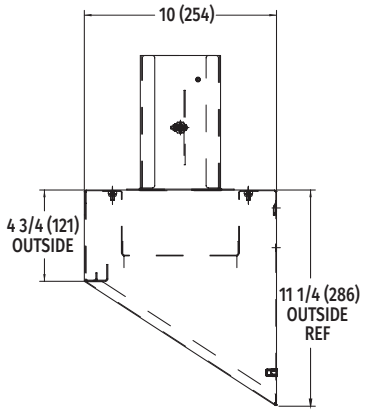
Separate Service Connection for Electric Heat			
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208/60/3	45.0	60	60
240/60/3	43.0	60	60
480/60/3	22.0	30	30
600/60/3	14.4	20	20

Separate Service Connection for Motors & Controls			
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208/60/3	10.0	15	15
240/60/3	9.7	15	15
480/60/3	6.4	15	15
600/60/3	5.9	15	15

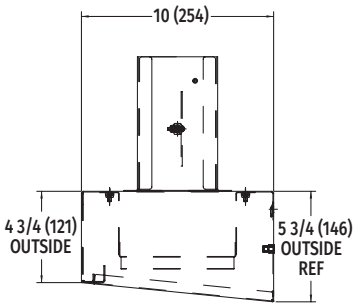
NOTE: Additional CL*e*N Voltages and Amperages are available, see document F40972.

VENT HOOD OPTIONS (Adjustable, vent stack can be adjusted 1" (25 mm) to either side)

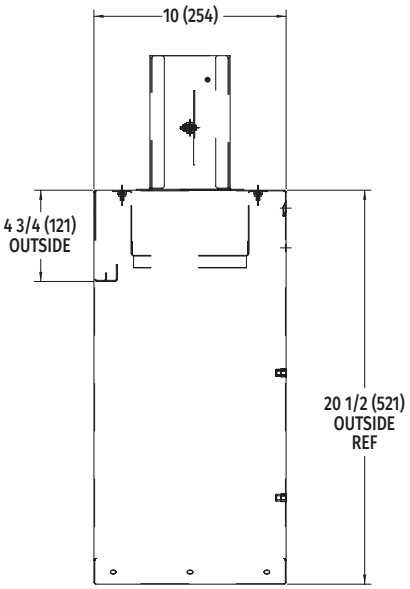
Standard



Short



Extended



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

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