HOBART

Project _____

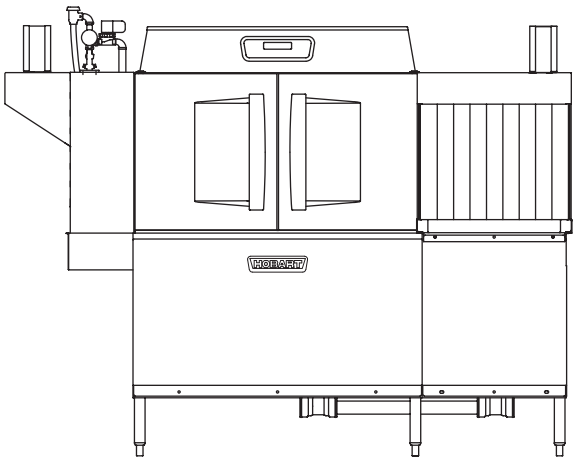
AIA # _____ SIS # _____

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

COMMERCIAL DISHWASHERS

CLCS76*e*N-EGR STEAM

High Temperature Corner Scrapper Rack Conveyor Dishwashing Machine



SPECIFIER STATEMENT

Specified dishwasher will be Hobart CLCS76*e*N Energy Recovery steam tank heat model with corner scrapper, drain water energy recovery (DWER) and Opti-Rinse™. Includes 245 racks per hour capacity, 22" power scrapper, 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.

STANDARD FEATURES

+ 245 racks per hour
+ 22" power scrapper
+ Drain water energy recovery (DWER)
+ Opti-Rinse™ system
+ Drain water tempering kit
+ Rapid return conveyor drive mechanism
+ Internal stainless steel pressure-less 30 KW booster heater
  - ❑ and 240/60/3 voltage machines, when equipped with internal electric booster; single point kits available (see page 3)
  - ❑ Single point connection standard on 480/60/3 voltage machines, when equipped with internal electric booster
+ Large double door opening for ease of cleaning
+ Doors are insulated & hinged with door interlock switches
+ 19.5" chamber height opening
+ 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
+ Vent fan control
+ Booster heater control

OPTIONS & ACCESSORIES (Available at extra cost)

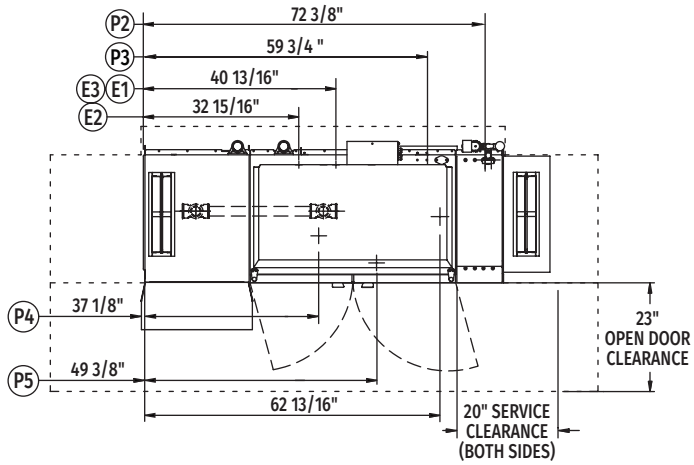
❑ Standard, short, and extended stainless steel vent hoods
❑ Direct drive unloader – adds 38" length. Reference spec F39520 for more details
❑ Blower-dryer – adds 33⅛" to length. Reference spec F40252 for more details (ships separate from dishmachine, contact Hobart Service for installation)
❑ Flanged feet kit (requires two kits)
❑ Higher than standard chamber (24" opening)
❑ Table limit switch with 10' wire
❑ 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)
❑ Field installed single point kits available for 208/60/3 and 240/60/3 machines when equipped with internal booster

CL*e*N SERIES – CLCS76*e*N-EGR STEAM

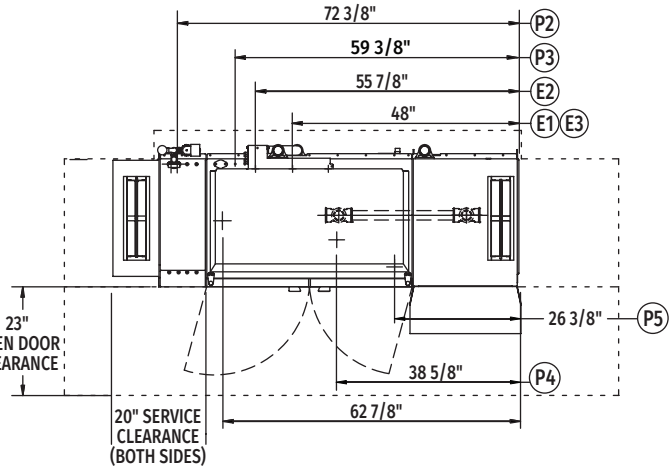
Approved by _____ Date _____ Approved by _____ Date _____

CLCS76eN-EGR STEAM

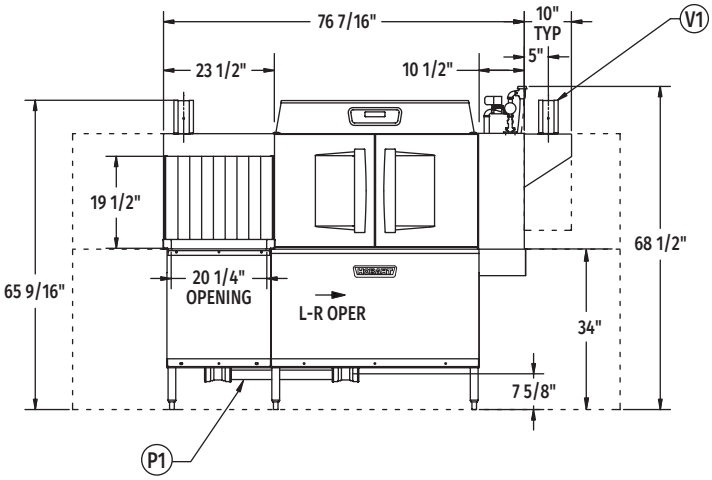
High Temperature Corner Scrapper Rack Conveyor Dishwashing Machine



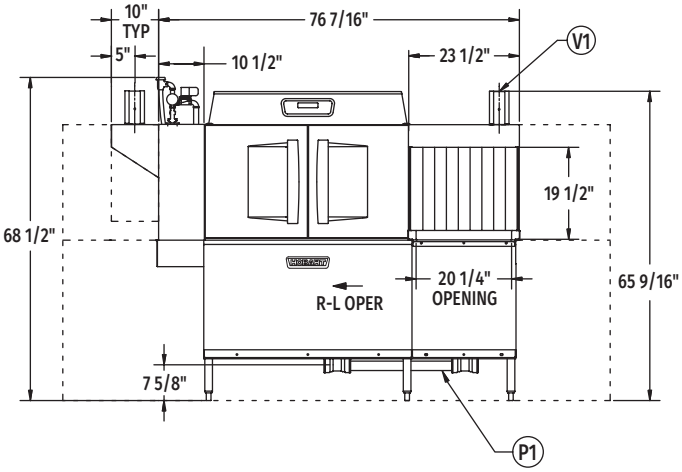
Top View Left to Right



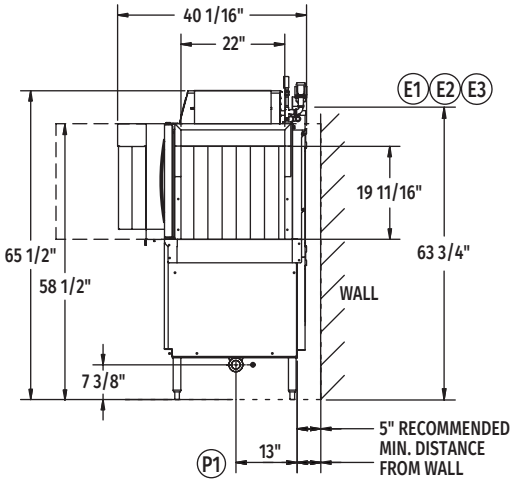
Top View Right to Left



Front View Left to Right



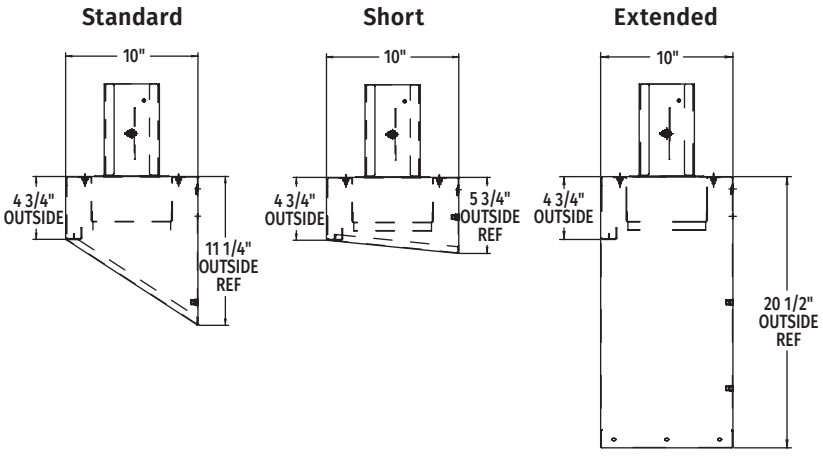
Front View Right to Left



Side View

VENT HOOD OPTIONS

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



Reference page 4
for installation drawings

MODEL:
CLCS76eN ENERGY RECOVERY
L-R OPERATION
D-974815
REV B

MODEL:
CLCS76eN ENERGY RECOVERY
R-L OPERATION
D-974814
REV B

CAD and/or Revit Files Available

HOBART

CLCS76eN-EGR STEAM

High Temperature Corner Scrapper Rack Conveyor Dishwashing Machine

LEGEND

Electrical Connections	
Required when machine equipped with **SINGLE POINT ELECTRICAL CONNECTION**	
E1	Motors, controls AND 30kW booster heater – multiple knockouts provided, 63-3/4" AFF.
Required when machine equipped with **DUAL POINT ELECTRICAL CONNECTION**	
E2	Motors and controls – multiple knockouts provided, 63-3/4" AFF.
E3	Internal 30kW booster heater – multiple knockouts provided, 63-3/4" AFF.
Multiple knockouts provided for 2", 1" and 1/2" trade size conduits.	
Plumbing Connections	
P1	Drain. May be drained to either side of valve, plug opposite side 2" FPT. Recommend a floor drain minimum of 12" from machine for access and maintenance. 7-3/8" AFF.
P2	Hot water. 1/2" FPT connection. 1/2", 11-3/16" AFF. See plumbing notes for required temperatures.
P3	Cold water connection 1/2" FPT, cold water temperature 80°F, maximum 7-3/8" AFF.
Steam Connections (P4 or P5)	
P4	Steam coils: 10 to 50 PSI flowing, 3/4" FPT, 11-18" AFF.
P5	Condensate return: A 10 PSI minimum differential pressure across the steam trap must be maintained. 3/4" FPT, 11-1/8" AFF one connection. (One bucket type trap furnished).
Vent Connections	
V1	Optional vent hoods, 4" x 16" vent stack with damper.

SPECIFICATIONS

Capacities

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

Motor Horsepower

- Drive 1/6
- Wash 2
- Power Scrapper 2

Water Consumption

- U.S. Gallons per Hour (maximum use at 20 PSI) 138
- U.S. Gallons per Rack 0.56
- 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) 30
- Steam Booster (external) (pounds per hour) 60
  (If used on 20 PSI steam, 20 PSI water flowing, 130°F entering water raised to 180°F minimum)

Venting

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

Shipping Weight (approximate) . . . . . 935 lbs.

Crated Dimensions . . . . . 86"L x 38"W x 78"H

E1	Single Point Electrical Connection with internal 30 kW Booster Heater		
Voltage	(E1) Motors and Controls 30kW Booster Heater		Single Point Service Connection
	Rated Amps	Minimum Supply Circuit Ampacity / Maximum Protective Device	
208/60/3	100.5	110	Field Installed **SGLPT-KIT2-CLE** required, order separately
240/60/3	96.8	110	Field Installed **SGLPT-KIT2-CLE** required, order separately
480/60/3	49.5	70	Ships Standard, Factory Installed

E2 E3	Dual Point Electrical Connection with Internal 30 kW Booster Heater				
Voltage	(E2) Motors and Controls		(E3) 30kW Booster Heater		Dual Point Service Connection
	Rated Amps	Minimum Supply Circuit Ampacity / Maximum Protective Device	Rated Amps	Minimum Supply Circuit Ampacity / Maximum Protective Device	
208/60/3	16.6	20	83.9	90	Dual Point Ships Standard
240/60/3	16.6	20	80.2	90	Dual Point Ships Standard
480/60/3	9.4	15	40.1	50	Field Convertible

CLCS76*e*N-EGR STEAM
High Temperature Corner Scrapper Rack Conveyor Dishwashing Machine

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 for 30kW internal booster. Building flowing water pressure to dish machine is 20 PSI (+/- 5 PSI).

Single cold water connection supplies both drain water energy recovery and drain water tempering.

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

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

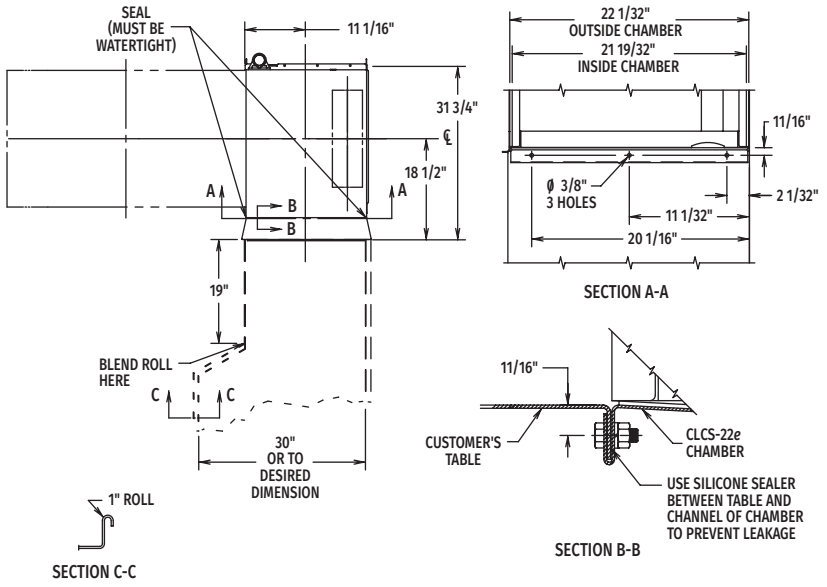
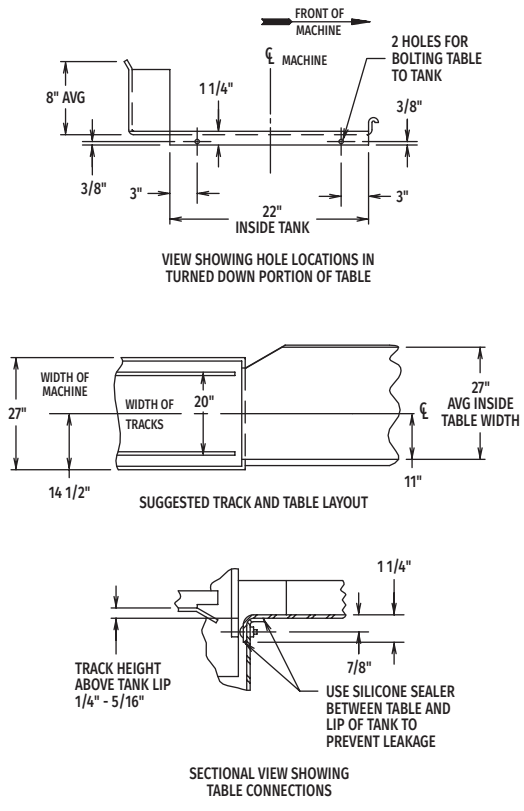
Shut off valve must be supplied (by others) in the steam line to the dish machine.

Electrical Note: Dishmachine not provided with internal GFCI protection.

CLCS76*e*N-EGR Steam Heat Dissipation	
BTU/HR.	
Latent	Sensible
46,200	19,800

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

TABLING - LOAD END



TABLING – UNLOAD END